

REVISED COMMITTEE ON RESEARCH (COR)

Wednesday, March 11, 2015

3:00 – 4:30 pm

KL 362

UCMCROPS/COR1415/Resources**I. Indirect Cost Return Update 3:00 – 3:30**

Guests:

Michael Reese, Vice Chancellor for Business and Administrative Services

Donna Jones, Assistant Vice Chancellor for Finance

Kimberly Groesbeck, Director of Accounting Services

II. Chair's Report

A. Updates from March 9 UCORP meeting

B. Senate Awards 2015

Pg. 1-4

[Distinction in Research](#) (tenured) and [Distinguished Early Career Research](#) (untentured) are the COR-related Senate awards. The call for nominations was submitted by the Senate office on March 4 and nominations are due on April 8. COR will form an awards subcommittee to review nominations. Winners will be announced by the Senate chair at the Meeting of the Division on April 23.

III. Vice Chair's ReportA. Updates from February 17 [Periodic Review Oversight Committee](#) meeting**IV. Consent Calendar****Pg. 5-8****Action requested:** Approval of February 25 meeting minutes.**V. Campus Review Items**

A. Revised Grade Appeal Policy

Pg. 9-11

The [current policy](#) provides no criteria or grounds for students to pursue an appeal; in addition, there is concern that the policy is implemented differently across the schools and that the language is unclear, thereby placing the burden of interpretation on faculty members. Undergraduate Council edited and approved the revised policy on February 18, 2015. All Senate standing committees are now invited to opine.

Action requested: COR to review UGC's revised policy and assess its contribution to the campus research mission. Comments are due to the Senate chair by March 16.

- B. Global Arts Studies Major Proposal **Pg. 12-38**
SSHA has proposed a major in Global Arts Studies. Senate standing committees are asked to opine by April 6.

Action requested: COR to review the proposed major and assess its contribution to the campus research mission.

- C. Public Health CCGA Proposal **Pg. 39-156**
Public Health has submitted its PhD program proposal. Senate standing committees are asked to opine by April 9.

Action requested: COR to review the proposed program and assess its contribution to the campus research mission.

VI. Systemwide Review Items

- A. Proposed Revised Presidential Policy-Sexual Harassment and Sexual Violence **Pg. 157-210**

Systemwide has proposed revisions to the Presidential Policy on Sexual Harassment and Sexual Violence, revisions that are intended to bring the UC into compliance with the requirements of the Violence Against Women Act that was reauthorized by President Obama in 2013.

Action requested: COR to review the proposed revisions for implications for the campus research mission.

- B. Proposed Amendments to Senate Bylaw 128.D.2 **Pg. 211-216**
The proposed revisions would make the vice chairs of all standing systemwide committees at-large members.

Action requested: COR to review the proposed revisions for any implications for the campus research mission.

VII. Senate Faculty Grants **Pg. 217-224**

The call for proposals was submitted to all faculty on March 6.

Discussion: prioritizing evaluation criteria.

VIII. Other Business



March 4, 2015

Senate Award for Distinction in Research

The Senate Award for Distinction in Research (for tenured faculty) is intended to encourage and recognize individuals for research and/or other creative activities that have had a major impact on the field, either through a sustained record of contributions or through a specific, highly influential contribution.

Criteria for Award

Distinguished scholarship as recognized through these awards is characterized by originality and creativity of the contribution and its impact on one or more disciplines or emerging interdisciplinary fields. If the work on which the nomination is based is primarily collaborative, the nominee's role in the collaboration and the noteworthiness of the nominee's contribution must be clear. The award is intended primarily to recognize work carried out at UC Merced, although work done by faculty before coming to Merced will also be considered.

Nominees for the Distinguished Faculty Research Award must be regular ladder-rank UCM faculty (not adjunct) who hold tenured faculty positions (Associate Professor or Professor) at the time of nomination.

Nomination Process

Initial nominations for the Senate Award for Distinguished Research will be accepted from any member of the academic community (students, faculty, staff, alumni). A nomination may be put forth by a faculty or staff member, or by a student or group of students. The nomination should discuss how the faculty nominee meets the criteria listed above. Nominations should be submitted electronically to the Office of the Academic Senate (c/o [Simrin Takhar](#)) no later than **5:00 p.m. Wednesday, April 8, 2015**.

Nomination packets should include the following:

- 1) A nomination letter (maximum of two pages) that highlights the outstanding accomplishments of the nominee in research and/or other creative activities while at UCM. This letter should be written by a UCM faculty member who is familiar with the nominee's accomplishments in these areas. Faculty with administrative appointments (e.g., deans) may serve as nominators.
- 2) Current and complete curriculum vitae.
- 3) Copies of up to five most significant publications and/or other scholarly or creative contributions, emphasizing work performed at UC Merced.
- 4) In addition to the nomination letter, two supporting letters (suggested length two pages) specifically solicited for this nomination. These letters should be from experts in

the nominee's field of research who are able to evaluate the quality, originality, and impact of the nominee's work. These letters may be written by individuals either at UC Merced or at other campuses or institutions.

Selection Process

The [Committee on Research](#) (COR) will form an ad hoc committee from its membership to serve as the COR Awards Committee with a minimum of three faculty. The COR Awards Committee will have balanced representation from different academic areas. If additional expertise is needed, non-COR committee members will be appointed by COR. The COR Awards Committee reserves the right to not give an award if there is an insufficient number of nominees, or if nominees do not meet the above criteria for the award.

Based on the initial letters of nomination, the COR Awards Committee will select a slate of finalists from the nominee pool. Supporting materials for the finalists may be solicited (e.g., course syllabi, teaching evaluations, published textbooks, articles on pedagogy, additional letters of support, and other evidence of exceptional instructional activities). All materials and notes will be held in confidence by the COR Awards Committee.

The COR Awards Committee will review nominees and select a recipient based on majority vote. The COR Awards Committee will complete its selection process and inform the [Chair of the Academic Senate](#) of the results. On the recommendation of the Awards Committee, any finalist may be nominated for the award the following year.

The announcement of the recipients will be made on April 23, 2015, during the [UC Merced Meeting of the Division](#).



March 4, 2015

Senate Award for Distinguished Early Career Research

The Senate Award for Distinguished Early Career Research (for non-tenured faculty) is intended to encourage and recognize individuals for research and/or other creative activities that have had a major impact on the field, either through a sustained record of contributions or through a specific, highly influential contribution.

Criteria for Award

Distinguished scholarship, as recognized through these awards, is characterized by originality and creativity of the contribution and its impact on one or more disciplines or emerging interdisciplinary fields. If the work on which the nomination is based is primarily collaborative, the nominee's role in the collaboration and the noteworthiness of the nominee's contribution must be clear. The award is intended primarily to recognize work carried out at UC Merced, although work done by faculty before coming to Merced will also be considered.

Nominees for the Distinguished Early Career Research Award must be regular ladder-rank UCM faculty (not adjunct) who hold un-tenured faculty positions (Assistant Professor) at the time of nomination.

Nomination Process

Initial nominations for the Senate Award for Distinguished Early Career Research will be accepted from any member of the academic community (students, faculty, staff, alumni). A nomination may be put forth by a faculty or staff member, or by a student or group of students. The nomination should discuss how the faculty nominee meets the criteria listed above. Nominations should be submitted electronically to the Office of the Academic Senate (c/o [Simrin Takhar](#)) no later than **5:00 p.m. Wednesday, April 8, 2015**.

Nomination packets should include the following:

- 1) A nomination letter (maximum of two pages) that highlights the outstanding accomplishments of the nominee in research and/or other creative activities while at UCM. This letter should be written by a UCM faculty member who is familiar with the nominee's accomplishments in these areas. Faculty with administrative appointments (e.g., deans) may serve as nominators.
- 2) Current and complete curriculum vitae.
- 3) Copies of up to five of the most significant publications and/or other scholarly or creative contributions, emphasizing work performed at UC Merced.
- 4) In addition to the nomination letter, two supporting letters (suggested length two pages) specifically solicited for this nomination. These letters should be from experts in the

nominee's field of research who are able to evaluate the quality, originality, and impact of the nominee's work. These letters may be written by individuals either at UC Merced or at other campuses or institutions.

Selection Process

The [Committee on Research](#) (COR) will form an ad hoc committee from its membership to serve as the COR Awards Committee with a minimum of three faculty. The COR Awards Committee will have balanced representation from different academic areas. If additional expertise is needed, non-COR committee members will be appointed by COR. The COR Awards Committee reserves the right to not give an award if there is an insufficient number of nominees, or if nominees do not meet the above criteria for the award.

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Committee on Research (COR)
Minutes of Meeting
February 25, 2015

Pursuant to call, the Committee on Research met at 3:00 pm on February 25, 2015 in Room 362 of the Kolligian Library, Chair David C. Noelle presiding.

I. Chair's Report

Chair Noelle updated the COR members on the following:

-- February 12 meeting with CAPRA, Division Council, and Vice Chancellor for Planning and Budget Feitelberg. VC Feitelberg communicated to faculty members the presentation he had previously presented to the systemwide committee on planning and budget at UCOP. The campus has placed three developer teams on the short list for Project 2020. The teams will visit campus in February and March to meet with stakeholders, including faculty, to solicit input on space needs. It was evident from the presentation that Project 2020 is significantly tied to the strategic academic focusing initiative and the six thematic areas identified by the Provost/EVC for investment. The faculty members in attendance voiced their concern about the assignable square feet of academic space contained in the presentation as it is significantly lower than academic space for national comparator research institutions.

--February 19 meeting with CAPRA, Division Council, and Project 2020 team. Prior to this meeting, the CAPRA chair drafted talking points for Division Council and CAPRA members that are intended to be used to communicate to each of the three developer teams. The faculty members in attendance on February 19 emphasized to the team that adequate research facilities are crucial in attracting high quality faculty. The next two developer teams will meet with faculty in March.

II. Consent Calendar

ACTION: The February 11 meeting minutes were approved as presented.

III. UC Merced Division Bylaws Proposed Revisions

After the February 11 meeting, COR drafted proposed revisions to its relevant section of the Merced Division bylaws. At today's meeting, COR members approved the draft memo.

ACTION: COR analyst to send memo with proposed bylaw revisions to the Senate chair.

IV. Agriculture and Natural Resources (ANR) Positions

At the February 11 meeting, COR members inquired about the administrative support provided to ANR faculty members at UC Merced. VC ORED Traina confirmed that both ANR positions at Merced – Research Scientists whose salaried appointments lie in ANR with courtesy appointments in SNRI and HSRI – receive administrative support through their relevant ORUs. If the Research Scientists apply for and receive adjunct faculty positions, they will then receive full support through the ORUs as well as through the Bylaw 55 Units in which they are appointed as adjunct faculty.

ACTION: VC ORED Traina to provide COR, for informational purposes, with a white paper he drafted on ANR positions.

V. Sponsored Projects Office (SPO) Director Search

COR members were previously asked by VC ORED Traina to provide input on faculty issues with SPO that will be used in the search for a new SPO Director. VC ORED indicated that he had requested the appointment of two Senate faculty members to sit on the search committee for the new Director, and he announced that he will devote one session of the interview process for interactions between Senate faculty members and each short-listed candidate.

He also mentioned that, in addition to revising the SPO Director job description, he will separate certain duties from SPO and Research Development Services (RDS).

COR members also previously expressed concerns over the patent filing process in light of the restructuring of the Office of Research and Economic Development. VC ORED Traina briefly described the rationale behind the restructuring and stated that he will ask Associate VC ORED Peter Schuerman about establishing a Senate Advisory committee for his office.

ACTION: VC ORED Traina will 1) revise the SPO Director job description and circulate to COR for comments, 2) provide COR with the rationale for separating SPO and RDS duties, and 3) ask AVC Schuerman to post the new patent filing process on the ORED website.

VI. Senate Faculty Grants Program

As part of an ongoing discussion this academic year, COR members finalized its process for the AY 14-15 Senate faculty grants proposals. Pursuant to the discussion at the February 11 meeting, COR members agreed that the committee will establish the criteria in a new call for proposals and submit it to the school executive committees. The executive committees will be tasked with reviewing proposals for quality of research and submitting their top proposals to COR for awarding. The proposed timeline is as follows:

ASAP – COR provides preview of call to school executive committees

March 4 – COR issues call for proposals to campus faculty

April 15 – Faculty submit proposals for review, initially by schools

April 29 – Executive committees submit top proposals to COR

May 6 – COR convenes to determine awards

Chair Noelle announced that he will send the communication to school executive committees before March 4 as a preliminary notice to provide COR's rationale for requesting that school executive committees review the

proposals. This communication will be circulated to COR membership for approval before being delivered.

ACTION: COR member Hein to take the lead on drafting the AY 14-15 call for proposals, which COR members will review and approve via email. Chair Noelle will circulate his draft message, to be sent to school executive committees, to COR for review and approval before sending it to the executive committees. The call for proposals will be issued to both campus faculty members and school executive committees on March 4.

There being no further business, the meeting adjourned at 4:30 pm.

Attest: David C. Noelle, COR Chair

Minutes prepared by: Simrin Takhar, Senate Analyst

Grade Appeals Policy

Introduction

All grades, except Incomplete, are considered final when assigned by an instructor at the end of the semester.

An instructor may request a change of grade when a computational or procedural error has occurred in the original assignment of a grade. An instructor may not change a grade as a result of re-examination or the submission of additional work after the close of the semester. No term grade except Incomplete may be revised by re-examination.

A student may initiate a grade appeal only in case of a clerical / procedural error or non-academic circumstances (described below). Students are encouraged to review their work with the instructor for an explanation of the grade assigned. A student may appeal a grade on reasonable grounds based on potential reporting errors or criteria not directly reflective of academic performance in this course.

Criteria for Grade Changes

There are two valid criteria for changing a grade. The first is errors and corrections, wherein the appeal is to correct a mistake either in the computation or the reporting of a grade. The second is non-academic criteria which include (a) discrimination based on ethnicity, political views, religion, age, gender, sexual orientation, financial status or national origin; or (b) the application of arbitrary academic criteria in a manner not reflective of student performance in relation to course requirements.

Point of information: Other grade policies, outside of grade appeal processes, address “good cause” considerations which may include illness, serious personal problems, an accident, a death in the immediate family, a large and necessary increase in working hours, or other situations deemed to be of equal gravity. Two grading policies may apply to “good cause” circumstances: an Incomplete or Withdraw grade. These processes are triggered during the semester in which the course is taken and are not subsequent to the filed grade.

Initial Steps

The following are recommended preliminary steps to address grade concerns. These steps precede a formal appeal process, described further in the next section.

If a clerical or procedural error in the reporting of a grade by the instructor can be documented within the semester following when the grade was filed, students may appeal by petition to the instructor and/or the program’s faculty lead. Grade changes for clerical and procedural errors may be filed by the instructor (or equivalent proxy) and approved by the Office of the University Registrar. Such grade changes should ensure fairness and equity based on syllabus or other policies, especially for those students whose grades will be unaltered. No final grade (except an Incomplete) may be revised by reexamination or additional coursework.

Concerns about non-academic issues (discrimination or arbitrary treatment) should be discussed with the instructor, if possible; otherwise, students are encouraged to discuss these matters with the program lead and/or program’s Dean.

Appeal Process

If there are sufficient and appropriate grounds to appeal a grade, based on the above criteria and procedures, a student may consider the following process.

Appeal Petition

Whenever possible, students are encouraged to work directly with their instructor to discuss grades, course policies and expectations. If a student wishes to appeal a grade after speaking to the faculty member in charge of the course and the program's faculty lead, the grade appeal process commences with a petition.

An appeal petition includes a written summary (250 total words, see below) and is filed with the program's Dean (who will communicate with the instructor and program lead). The following is an outline of what a formal grade appeal petition should include:

- Contact Information: *Include name, university email address, and phone number*
- Course information: *Include course number, title, semester course was taken, and instructor name*
- Background to appeal: *In 100 words, briefly describe attempts to resolve concerns with instructor. If the faculty program lead or Dean was contacted, note these details as well.*
- Brief description of appeal: *In 150 words, describe the grounds for the appeal itself. What are the primary criteria and considerations?*
- Appendix: *Include all related documentation*

Appeal Process

The program's Dean shall proceed to attempt to resolve the dispute independently. (If the program's Dean has a conflict of interest, e.g. is the instructor who filed the disputed grade, a Dean designate will review the case. In such a case, all reference to program's Dean in the present document refers to this designate.) After review of the petition, the program's Dean may or may not approve further action.

If an appeal petition alleges discrimination, an initial assessment of the grounds for the case will be considered by the program's Dean. If it is determined that this is potentially a discrimination case, the petition will be handled as a Title IX consideration.

Written notification about findings will be shared with the student and instructor within two to four weeks of receipt of the formal petition. Within one week of this notification, the student or instructor may respond to the findings via the Provost's Office. If there are no responses from the student or instructor, the grade shall be either sustained or altered in accordance with the findings.

If the grade appeal petition is denied by the program's Dean, a student may appeal one more time. Potential criteria for this final appeal may include a violation of due process relative to these grade appeal procedures, or new and substantial information. This final appeal is a 100 word summary, with related evidence, and must be filed to the Provost's Office within one week of the findings. The Provost (or the Provost's designate) will decide if further process is warranted and if so, how this process will be structured. If further process is deemed warranted, additional documentation or interviews supporting the appeal may be requested.

The final decision occurs within the semester of the appeal. Decisions may include: 1) no change, 2) removal of course from transcript, or 3) grade correction. In cases where it is determined that

nonacademic criteria were significant factors in establishing the grade, students may have the option of either receiving a P or S in the course or retroactively dropping the course without penalty.

If an appeal is related to the final semester before graduation, consideration of an appeal must be within one semester beyond graduation and thus is the final closure of the record. Otherwise, once a degree is awarded to a student, his or her record is closed.

Timeline

The following timeline summarizes potential stages of these processes. Any actions outside this timeline will significantly limit and potentially disqualify the grounds for an appeal.

The following timeframe begins in the semester following the one in which the grade in question has been filed:

At the beginning of the semester, the student will

Weeks 1-3: Initiate communication with instructor and/or program faculty lead, seeking resolution of concerns

Weeks 4-5: Develop a formal appeal petition, if concerns are unresolved

By Week 6: Submit this petition and supporting evidence to the program's Dean for review

The goal of the appeal process is for findings to be shared with the student and instructor as soon as possible. The following are estimated times for reviewing the petition, exploring information, and summarizing findings.

In the process that follows, the program's Dean will:

Weeks 7-9: Review the formal appeal. Findings and summaries are developed, with the potential for seeking further information or consultation.

Weeks 10-12: If possible, findings are shared. Please note that some cases are complex and require either further consultation or information gathering, with associated time added. The final decision will occur within the semester of the appeal.

Findings: When findings are released, the student and instructor have one week to respond via a brief summary (100 words) to the Provost (or Provost designate). This is the final process, wherein there are no further petitions or commentary options.

Final Note

These procedures are designed solely to guide grade appeal processes. No punitive actions may be taken against the instructor solely on the basis of these procedures. Neither the filing of an appeal nor the final disposition of the case shall, under any circumstances, become part of the personnel files of the instructor. The use of nonacademic criteria, however, is a violation of the Faculty Code of Conduct and Title IX policies, with associated potential sanctions.



SCHOOL OF SOCIAL SCIENCES, HUMANITIES AND ARTS

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February 24, 2015

To: Undergraduate Council

Re: Major in Global Arts Studies Proposal

On February 5, 2015, the School of Social Sciences, Humanities and Arts Curriculum Committee unanimously voted to approve the *Major in Global Arts Studies (GASP)* proposal.

On February 19, 2015, the voting period to consider the *Major in Global Arts Studies (GASP)* concluded with the proposal being approved by the SSHA faculty. Therefore, on behalf of the School of Social Sciences, Humanities and Arts, I submit to you the *Major in Global Arts Studies (GASP)* proposal (68 votes for; 3 vote against; 2 abstention; 28 ballots not returned).

A copy of the *Major in Global Arts Studies (GASP)* proposal is enclosed for your review. We request that the proposal be approved effective Fall 2016. The SSHA assessment specialist supported the faculty efforts in the creation of the PLOs, curriculum map and corresponding multi-year assessment plan, ensuring compliance with campus [guidelines](#).

Thank you for your consideration.

A handwritten signature in black ink, appearing to read 'Mark Aldenderfer'.

Mark Aldenderfer
Dean, SSHA

CC: Jan Goggans, Chair, SSHA Curriculum Committee
James Ortez, Assistant Dean, SSHA
Megan Topete, Manager of Instructional Services, SSHA
Morghana Young Alfaro, Manager of Student & Program Assessment

Enclosure

GASP Major Proposal

1. Program description and rationale

The major in Global Arts Studies at UC Merced will educate students in the history, theory, and practice of the arts in a global context. The program will bring together disciplines traditionally housed in different departments, including art history, visual studies, musicology and ethnomusicology, music performance, and studio art. The curriculum for the Global Arts Studies major will integrate creative practice and hands-on training with the theoretical analysis of visual, sonic, and material culture. We aim to foster a new generation of critical thinkers with global and interdisciplinary perspectives, grounded in deep historical and theoretical knowledge.

The program will be global in many senses of the word. Our studies will not privilege one geographic space over another. We will be rigorous in the study of all kinds of human expression, from film screen to dance club, from ritual and touristic practice to museum and concert hall. Our faculty of ethnomusicologists and art historians will help students refine the skills they need to engage critically with culturally diverse media. We will train our students to deal with both sonic and visual realms, granting them sophisticated insights into multi-media performances and artworks—architecture, film and television, operas, video games and other interactive media, music videos, and dances both staged and social. Our students will deepen their understanding of these expressions with studies of their history and social relevance, with an array of theoretical and methodological perspectives and approaches to them, and not least with hands-on practical training in painting, sculpture, design, photography, music, and dance. The program will also offer students ample opportunity to develop their professional skills via participation in community-based events—curating exhibitions, managing the UCM Art Gallery, and organizing and performing in recitals, concerts, and multi-media presentations.

The breadth of our program is obvious, but we also have much to offer in terms of depth. As GASP faculty we all have our own individual in-depth disciplinary training but all of us deal with multiple academic fields. Some of our courses are interdisciplinary in character and others will have a strong disciplinary focus. Second, we are dedicated to developing a rigorous methodological training of four basic skills that will be relevant within the major, outside the major, and as preparation for both graduate school and the general job market: research, analysis, argumentation, and writing.

We believe this major will have several advantages over more traditional art and music majors. Our dedication to addressing “high,” “low,” and “middle-brow” culture on equal terms will allow us to disempower and critique classist hierarchies of taste and value. Our commitment to training our students to do in-depth analysis in multiple media will help them fill in the problematic lacunae that plague much current scholarship on multimedia art forms—film scholars’ traditional lack of attention to musical scoring, music scholars’ traditional lack of serious attention to libretto and stagecraft in opera, and so forth. And our geographical flexibility will allow us to avoid the major pitfalls that stem from dividing up the world along colonialist lines of geography and race—“the West and the rest.”

The GASP major builds on the Arts minor and will continue to employ the same resources and existing courses in studio art, music ensemble, GASP lectures and seminars. Most of the studio art and ensemble courses will be slightly adjusted to comport with the new guidelines but they will largely remain in place because the majors will be required to take at least eight units of studio art and/or music ensemble. The minors will be given the opportunity to pursue a

BA in GASP if they so choose using the units taken before the major was established.

1.1 How the program will contribute to undergraduate education at UC Merced

As mentioned in the Program Rationale, the Global Arts Studies Program will bring together disciplines, which although traditionally housed in different departments, are also inherently interdisciplinary. The coming together of art history, visual studies, musicology, ethnomusicology, music performance, and studio art will support the interdisciplinary goals of UC Merced both within and outside of GASP. Art history and musicology engage not only with the visual and the musical, but also with other cultural contexts that inform them such as history, literature, human encounters, spatial analyses, issues of trade, memory, and identity—contexts that are central to several humanities disciplines. Within GASP, students will learn to not only analyze visuals or sonic materials but also to examine them in conjunction with each other—a task typically not undertaken by traditional art history or musicology programs. For example, GASP majors will be required to take a course entitled “Image and Sound,” in which they will engage in multimedia analysis of a wide range of potential subjects, from film, television, and music video to music in ritual architectural spaces. Students in existing Majors such as Anthropology, English, Cognitive Science, History, Philosophy, Political Science, Sociology, and Spanish, and those with interests in World Heritage and performance studies will benefit from an engagement with GASP courses, which will allow students to use visual and sonic materials to enrich approaches to their respective disciplines.

GASP Majors, ARTS Minors, and other students will be able to take advantage of museums and performing arts centers in Merced and the Bay Area for course assignments. These will also be useful for faculty in developing their pedagogy. For example, the GASP Major gives us the potential to maintain and foster relationships between UC Merced and the Merced Arts Council and Playhouse Merced. With logistical support, such interactions can also be developed with the Asian Art Museum, the Museum of Modern Art in San Francisco, and centers of musical arts in the Bay Area, as well as with galleries and music halls throughout the Central Valley. Fostering relationships with community organizations and exposing students to Bay Area institutions will permit students to relate classroom knowledge to practical experiences. This will also connect students to potential job opportunities by creating networks in these community organizations.

The GASP Major will have a strong writing component. The writing skills students acquire, along with skills of close reading of visual and sonic texts, will prove useful in a wide range of Humanities, Social Science, and even Science disciplines.

Another significant contribution of the GASP Major to undergraduate education is the possibility of our majors to participate in the University of California Education Abroad Program (UCEAP).

They will feel more motivated to take up these programs as it will provide them an opportunity to visit historic sites, museums, and centers of performing arts outside the U.S.—spaces that they would have, thus far, only examined in class. The potential for GASP to move students towards UCEAP programs will not only broaden their worldview but will also foster an engagement with Humanities and Arts majors in the wider UC system. GASP’s focus on global networks that highlights cultural encounters and pays attention to both Western and non-Western materials will make students critically aware of the politics of our times as they are manifested in cultural objects.

1.2 Job market demand, graduate education/professional school prospect for majors and expected student demand

1.2.1 Job market demand and graduate education/professional schools

Broadly speaking, we are working on developing essential skills such as how to think critically, how to write, how to convince an audience, how to do research and distinguish reliable from unreliable sources. These are useful for a variety of jobs that require analytical and writing skills. We are also training students to appreciate and use sources that are different from the textual sources that historians typically use. Students will learn how we can develop historical and contextual analysis through visual and sonic sources. If they choose to pursue graduate studies, GASP majors will know the value of tangible and intangible materials of cultural production, which will help them in a variety of humanities and arts disciplines.

The GASP capstone sequence will help develop skills of research, writing, and analysis. It will also push students to engage with critical theory and use it to support their own research and arguments. The GASP program will also be excellent preparation for graduate school. We will shape visual arts students who can analyze sonic materials, and music majors who will be able to examine visual objects and spaces. GASP majors will make for attractive graduate school candidates in both Art History and Musicology because they will have training that goes beyond traditional programs in these disciplines.

Art History and Musicology and their comparative study are useful for a wide range of professions both in academic and cultural spheres. For example:

- a) Arts Administration & Management: Art curation in Museums and Galleries, Music Management, and Auction houses, Museum Education, Program Manager for Arts and Music-related Trusts, Foundations, and Grant-giving agencies.
- b) Art Criticism & Journalism: Art, Film, or Music critic or contributor in leading national newspapers or online web-zines.
- c) Art Law: International Art Law (after specialized graduate degree or relevant work experience).
- d) Media and Entertainment Industry: Advertising, Public Relations, Film and Media Studies, potentially go to Film School for specialized training.
- e) Heritage & Cultural Property Management: Travel and Tourism industry, UNESCO projects.
- f) Art, Music and Film Conservation: After specialized graduate degree or relevant work experience.
- g) Art or Music Repository: Art or Music Librarian or Archivist at an institution of higher learning or at a public or private archive. Head of a Visual Resources Center, which is often part of traditional Art History or Film Studies Departments, is also a possibility.
- h) Graduate Education: Visual studies, Film Studies, Art History, Ethnomusicology, Critical Musicology, History, Anthropology.

1.2.2 Expected student demand

We expect to attract a substantial number of students once a GASP Major is established based on several factors. Our enrollment data indicates students' sustained interest in arts courses. Based on SSHA's census data, there has been a demonstrative increase in the number of students who chose to pursue an ARTS Minor, which was established in 2008 and required students to take courses in both GASP and ARTS.

As there were more ARTS lecturers to offer a greater number of classes without prerequisites in the early years of the program, the enrollment numbers in ARTS have been historically bigger than those in GASP. In 2008, GASP was established as a prefix to designate research and scholarly courses in the arts, as opposed to technique- and practice-oriented classes in ARTS. Since taking over the role of the program lead for both GASP and ARTS in 2011, Prof. Wang initiated the process of integrating both programs into a coherent curriculum, which including cross-listing courses, decreasing our reliance on lecturer-taught classes, and increasing the variety of course offerings that would benefit more students.

Students in ARTS Minor

YEAR	NUMBER
2008-2009	15
2009-2010	40
2010-2011	72
2011-2012	69
2012-2013	58

GASP-ARTS Enrollment Data	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	Total Enrollment	Total Students taught	
ShiPu Wang	37	66	112	98	99	118	22	53		605	(F '10 on leave)
Kevin Fellezs	40	88	77	119	61	/	/	/		385	(left UCM in 2011)
David Kaminsky	/	/	/	/	/	/	52	72		124	(Joined in 2012)
Ken Yoshida	/	/	/	/	/	/	64	93		157	(Joined in 2012)
Aditi Chandra	/	/	/	/	/	/	/	88		88	(Joined in 2013)
Enrollment of faculty-taught GASP courses	77	154	189	217	160	118	138	306			
Number of Lecturers*	0	0	2	1	1	2	2	2			*See Note 1
Enrollment of lecturer-taught GASP courses	n/a	n/a	59	23	13	318	348	117			
Total GASP enrollment	n/a	n/a	248	240	173	436	486	423	2006	1359	
Dunya Ramicova			119	141	94	133	0	144			(AY 2012-13 on leave)
Enrollment of lecturer-taught ARTS courses			450	562	589	743	684	664			(excluding cross-listed GASP courses)
Number of Lecturers**			6	6	7	5	5	6			**See Note 2
Total ARTS enrollment			569	703	683	876	684	808	4323		
GASP + ARTS Total Enrollment****			817	943	856	1312	1170	1231	6329		***See Note 3

Notes

1. GASP has historically been allocated few lecturers. When hired, lecturers were asked to teach cross-listed courses that benefit both GASP and ARTS; the same has not applied to lecturers in ARTS due to their technique-oriented instruction.
2. For historical data consistency, this includes Ms. Lorraine Walsh, who was a SSHA lecturer in 2008-2012 and became a College One lecturer in 2012. She continues to teach ARTS courses that were created by the arts faculty, Prof. Ramicova, not by College One, however.
3. In 2011 and in anticipation of an eventual GASP Major, Prof. Wang began the process of integrating ARTS and GASP, as well as offering more GASP courses. The enrollment data reflects the gradual shift of focus.

1.3 Relation to existing undergraduate programs/B.A.s

1.3.1 Relations to programs on UC Merced campus

The rising interest in image and sound analysis in humanistic research and pedagogy also makes the skills students acquire in GASP courses highly desirable in other disciplinary settings. An English major who wishes to study visual representation in literary history will benefit from art history and visual studies courses; a student interested in theater will gain hands-on experience in ensemble and performance classes; a history major studying audio culture will gain a more robust understanding by taking music courses.

In addition to its interdisciplinary approach, the program's curricular structure reflects our commitment to study the cultural and intellectual effects of globalization. Many of our courses deal with postcolonialism, gender, race, and power that other disciplines on campus also address. Students enrolled in a Spanish course that examines transnational literature and film (e.g. SPAN 111: Empire, The Postcolonial, and Representation: Reading East & West) will most certainly find the subject of global visual arts quite useful. GASP's introductory requirements (GASP 3 and 5), electives, and upper-division sequence, all of which cover visual and sonic representation of gender and race, politics of art and historical memory, will complement many courses offered in History and Anthropology.

1.3.2 Relations to programs at other UC campuses

Most UC campuses offer degrees related to visual and sonic arts (i.e. BA in Art History). Therefore, it is important to establish a program dedicated to the practice and study of arts at UC Merced. A number of UC campuses have been very successful in establishing new and exciting programs that have impacted the humanities and much of their rigor emerge from their interdisciplinary model that also characterizes GASP. For instance, the History of Consciousness, a graduate program at UC Santa Cruz composed of literary scholars, historians, anthropologists, ethnomusicologists, artists, and political theorists, has led the humanities for decades. GASP adopts its similar pedagogical and academic structure to provide students with the necessary analytic skills to examine the complexity of creative expressions and cultural practices. However, GASP's curricular constellation that integrates visual, sonic, new media, and performance studies, offers a different theoretical design. Below is a list of arts-related programs at other UC campuses that are comparable to our approach.

UCLA

World Arts and Cultures program (WAC)

This interdisciplinary program explores cross-cultural understanding through arts, with emphasis on performance and dance. Like GASP, WAC's curriculum emphasizes global transaction of expressive practices in an effort to decenter the Western hegemonic tradition of art.

UCI

Visual Studies

The interdisciplinary graduate program in Visual Studies at UC Irvine combines art history and media studies. The program explores the meanings and practices of imaging across historical period and geographic regions.

UCSC

History of Art and Visual Culture Program (HAVC)

UC Santa Cruz's History of Art and Visual Culture program offers both undergraduate and graduate degree in Visual Studies. Similar to UCI's interdisciplinary program, HAVC combines art historical and cultural studies to examine representation and imaging in multiple media and cultural settings.

History of Consciousness

The History of Consciousness Department at UCSC is a graduate program that examines diverse theoretical approaches to gender, race, art, and politics. Its primary methodological framework is critical theory, which allows faculty and students to address issues that cut across multiple disciplines.

1.4. Availability of suitable preparatory at community colleges

Visual Arts: The study of the visual arts form a fairly significant part of the curriculum of the college system of California's Central Valley. Therefore, any transfer students from these institutions to UC Merced who wish to continue their study of visual materials will most likely have their basics in place. However, at almost all community and State colleges around UC Merced, the study of the visual arts (as art history or visual studies) is limited to large surveys of Western art history, which are located in either Studio Art or History programs. This means that while students will indeed learn the basics of art history, they will be restricted in that they will only examine one part of the world and not of the cultural encounters that shape the GASP program. Further, by studying visual or sonic material as secondary to History or Studio Arts, students at local colleges only approach it as secondary to those disciplines. Some larger institutions, such as the California State Universities and Fresno City College, do include wide-ranging surveys of Asian Art. However, their approach to art history follows the traditional, broad survey format. With GASP, we expand this approach by not only focusing on global cultural exchange without losing sight of local specificities as the basis of our lower division visual arts courses, but also by engaging with sonic materials so that our students have a more nuanced understanding of the visual as co-existing with other cultural materials.

Music: Most music programs at Community Colleges will generally have a "traditionalist" approach to music theory. Our approach is different but the first semester of a standard music theory sequence will probably satisfy our "Introduction to Music Studies: Elements of Music" requirement. A range of different courses might satisfy the "Music and Society" requirement at the discretion of the faculty, as long as the student has been given satisfactory ethnographic fieldwork research skills in that or another class (this requirement can also be satisfied with any ethnographic fieldwork methods class at UC Merced).

General: Music or Arts courses in which students have had to write a major research or analytical paper will satisfy the upper-division elective requirement. Ensemble and studio courses taken at other schools can also satisfy studio/ensemble requirements at UC Merced. The following courses must be taken at UC Merced: "Image and Sound," "Theories of Expressive Culture," "Senior Thesis."

The regional colleges surveyed include: Bakersfield College, College of the Sequoias, Cerro Coso Community College, Merced College, Porterville College, Modesto Junior College, San Joaquin Delta College, Reedley Community College, Taft College, West Hills College, California State University at Fresno, California State University at Stanislaus and Fresno City College.

2. Program Requirements

2.1 Lower division and upper division course requirements

Foundational sequence (lower division, no prerequisites) — 8 units

Introduction to Visual Culture [4 units]. This course will give students all the tools they need to enter advanced classes in film studies, art history, and visual analysis. No prerequisites.

Introduction to Music Studies: Elements of Music [4 units]. This course will give students all the tools they need to go into advanced classes in music. Students will learn to hear and discuss music in terms of rhythm, form, melody, harmony, timbre, and texture. No prerequisites.

One Additional Lower Division GASP or ARTS course. No prerequisites.

Skills and content sequence (lower division, with prerequisites) — 8 units

Image and Sound [4 units]. Writing-intensive seminar. Students engage in close readings of multimedia “texts,” e.g., films, music videos, video games, engaging all the tools learned in the foundational sequence. The focus here is on paper-crafting, developing a focused argument, thesis statements, outlines, abstracts, and so forth. Prerequisites: Introduction to Visual Culture and Introduction to Music Studies, Writing 10 or equivalent (may be taken concurrently). This course must be taken in residence.

At least one of the following two courses:

Global Art History [4 units]. This course is a historical overview of global cultural exchange as manifested in visual expressions and materials throughout the world. This functions as GASP's secondary source research methods course in which students continue to develop skills of visual analysis. Prerequisites: Introduction to Visual Culture, Writing 10 or equivalent (may be taken concurrently).

or

Music and Society [4 units]. This course will focus on the role music plays in society. This also functions as GASP's secondary source research methods course. Prerequisites: Introduction to Music Studies, Writing 10 or equivalent (may be taken concurrently).

Upper-division requirements — 12 units

Any upper division non-studio/ensemble GASP or ARTS course [4 units].

Topics and prerequisites will vary.

Any upper division non-studio/ensemble GASP or ARTS course, or Global Art History or Music and Society [4 units].

Topics and prerequisites will vary.

Any upper division GASP or ARTS course, or any studio/ensemble course(s) totaling 4 units.

Topics and prerequisites will vary.

Senior sequence — 8 units

Theories of Expressive Culture [4 units]. Reading-intensive cultural theory seminar. Students will read and respond to advanced theoretical writings relevant to the study of expressive culture.

Students in this course will also develop a proposal for the senior thesis. Prerequisite: senior standing; Image and Sound. This course must be taken in residence.

Senior thesis [4 units]. Writing seminar and workshop for senior thesis. Prerequisite: Theories of Expressive Culture. This course must be taken in residence.

Studio/ensembles — 8 units

Music and/or dance studio/ensemble course(s) totaling 4 units, upper or lower division. Topics and prerequisites will vary.

Visual arts studio course(s) totaling 4 units, upper or lower division. Topics and prerequisites will vary.

Total units to graduate with GASP Major: 44

2.1.1 ARTS Minor

The minor in ARTS enables students to explore art from three distinct yet related approaches: history (contextual analysis of visual, architectural, and aural formats), theory (critical and creative interpretation of texts) and practice (application of techniques and concepts).

Lower Division Minor Requirements [8 units]

- One lower division GASP course
- One lower division ARTS course

Upper Division Minor Requirements [16 units]

- A minimum of four upper division ARTS or GASP courses

2.1.2 A list of potential non-GASP courses that GASP majors are encouraged to take

ANTH 110: Migration, Diaspora, and Transnational Belonging

ANTH 112: Political Anthropology

ANTH 114: Social Memory

ANTH 126: Anthropological Approaches to Gender

ANTH 130: Material Culture

ANTH 132: History of Archaeological Interpretation

ANTH 140: Cultural Heritage Policy and Practice (cross-listed w/ WH 140)

ANTH 141: Writing Narrative for Archaeology (cross-listed w/ WRI 141)

ANTH 142: Archaeology of Colonialism

ANTH 144: Archaeology of Religion

ANTH 172: Ethnohistory

ANTH 175: Ceramic Analysis

ENG 020: Introduction to Shakespeare Studies

ENG 032: Introduction to Chicano/a Culture and Experiences (cross-listed w/ CCST 060 & SPAN 060)

ENG 056: Introduction to World Drama

ENG 100: Engaging Texts: Introduction to Critical Practice (cross-listed w/ SPAN 100)

ENG 106: Early English Drama

ENG 151: Advanced Shakespeare

ENG 165: Tragic Drama

HIST 010: Introduction to World History to 1500

HIST 011: Introduction to World History Since 1500

HIST 040: History of Technology in Society I (cross-listed w/ ENGR 040)

HIST 041: History of Technology in Society II

HIST 060: The Silk Road

HIST 070: History of Islam I: From Muhammad to the Caliphate
 HIST 071: History of Islam II: From the Caliphate to the Present
 HIST 080: History of China Through the Mongol Conquest
 HIST 081: History of China Since the Mongol Conquest
 HIST 101: Visual Arts of the Twentieth Century (cross-listed w/ GASP 101)
 HIST 103: Critical Popular Music Studies (cross-listed w/ GASP 131)
 HIST 112: History of Islamic Art and Architecture (cross-listed w/ GASP 105)
 HIST 113: History of the Gunpowder Empires
 HIST 116: History of Decolonization in the Twentieth Century
 HIST 122: That's the Joint: Race, Gender, and Migration in Hip-Hop History
 HIST 123: Comparative Race and Ethnicity in the United States
 HIST 124: African American History from Slavery to Civil Rights
 HIST 126: Race and Nationalism in American Art (cross-listed w/ GASP 175)
 HIST 129: Introduction to Chicano History
 HIST 130: The Cold War, 1941-1991
 HIST 138: Topics in Visual Culture (cross-listed w/ GASP 151)
 HIST 158: Topics in Middle Eastern History
 HIST 171: Modern European Intellectual History
 SPAN 105: Hispanic Cultures I
 SPAN 106: Hispanic Cultures II
 SPAN 121: Spanish Golden Age
 SPAN 122: Spanish (Peninsular) 18-19 Centuries
 SPAN 123: Spanish (Peninsular) 20-21 Centuries
 SPAN 140: Latin American Colonial Literature
 SPAN 143: Latin American Literature since Independence
 SPAN 113: U.S. Latino/a Literature (cross-listed w/ ENG 113)
 SPAN 114: Latinos/as in Children's Literature and Film
 SPAN 115: Chicano/a Literature (cross-listed w/ ENG 115)
 SPAN 111: Empire, The Postcolonial, and Representation: Reading East & West
 SPAN 144: Caribbean Literatures and Cultures
 SPAN 131: Transatlantic Modernismo
 SPAN 145: Novel of the Latin American Dictator
 SPAN 146: Latin American Film and Fiction
 SPAN 147: Latin American Boom
 SPAN 149: The Fantastic, Magical Realism, Realism, and Testimonials
 SPAN 151: Diasporas and Exiles in Latin Am
 SPAN 153: Bilingualism and Borders in Hispanic Literatures
 SPAN 154: Hispanic Drama and Performing
 SPAN 173: Erotic Novel and Film

2.2 Program Learning Goals and Outcomes

2.2.1 Program learning goals

The program learning goals of GASP include:

1. Introduce students to the history, theory and practice of the arts in a global context.
2. Guide students in studying all fields of creative expression in cultures throughout the world.
3. Help students develop the skills they need to critically engage culturally diverse media and to explore creative processes and material connections.
4. Offer students opportunities to acquire research, creative and hands-on experiences through course projects and program-wide events.
5. Foster a new generation of critical thinkers with global and interdisciplinary perspectives grounded in rigorous acquisition of historical and theoretical knowledge.

2.2.2 Program learning outcomes and how course requirements address intended learning outcomes

The following Program Learning Outcomes (PLOs) describe the critical skills and knowledge that students in the GASP Major, as well as in arts courses, are expected to acquire upon the completion of their undergraduate education.

1. Describe visual and aural texts in technical and theoretical terms.
2. Analyze cultural, visual, aural and spatial procedures within their historical and conceptual contexts.
3. Apply theoretical models from multiple schools of thought in art history/visual studies and musicology/ethnomusicology.
4. Conduct research specific to critical studies of the arts.

PLOs 1, 2, and 3¹² are existing PLOs for the current Arts Minor and serve as GASP Major's PLOs because they are essential skills that we expect students pursuing either a GASP Major or an Arts Minor to have. PLO 4 is an addition here to highlight GASP's emphasis on research.

2.2.3 Goals across coursework, PLOs, SSHA and UC Merced

The following Curriculum Chart illustrates how the PLOs correspond with the required courses in the proposed GASP Major.

A1 = Introduction to Visual Culture A2 = Introduction to Music Studies B1 = Global Art History

¹ Slight adjustments to this PLO have been made for the GASP major.

² Slight adjustments to this PLO have been made for the GASP major.

B2 = Music and Society
 C1 = Image and Sound
 D1 = Theories of Expressive Culture
 E = Additional upper division courses in ARTS and GASP (electives)

	PLO 1	PLO 2	PLO 3	PLO 4
A1	I, D	I	I	I
A2	I, D	I	I	I
B1	D	I	D	D
B2	D	I	D	D
C1	D	D	D, M	D
D1	M	M	M	D, M
E	D, M	D, M	D, M	D, M

(I = Introduction; D = Development; M = Mastery)

The GASP PLOs support multiple SSHA undergraduate education goals in important ways. With our focus on the critical studies of visual and aural expressions, the GASP Major supports SSHA's mission of serving "regional, state, national, and international communities as a multi-interdisciplinary partner within a research-intensive public university" committed to innovative and substantive research, excellent teaching, and student-focused learning." As the GASP curriculum emphasizes helping students acquire a diverse skill set through research projects, creative presentations, and hands-on experiences (e.g. exhibition curation, recital and performance organization, symposium and event promotion), we fully contribute to SSHA's overall goal of fostering students' "intellectual growth," preparing them for "marketable, challenging careers and professions," "instilling the values of lifelong learning," and encouraging "civic responsibility, public service, and understanding in a global society."

The Global Arts Studies PLOs align with the goals of the University of California, Merced in several ways. Below we outline how the degree and its PLOs link with each of the Eight Guiding Principles of General Education.

- A. Aesthetic Understanding and Creativity: All GASP PLOs and courses help students meet this goal.
- B. Communication: In all GASP courses we stress the importance for students to acquire communications skills to be able to articulate informed arguments based on the specialized knowledge they obtain in class.
- C. Decision-Making: This is at the core of all GASP courses because all PLOs require students to make informed application of the knowledge and research findings that they obtain in all assignments and research projects. We are dedicated to teaching our students how to best use the creative and analytical tools we have given them—within the limitations we have placed upon them—specifically in order to develop their decision-making skills to the utmost.

Whenever they improvise music within a given scale, sculpt with a given material, or write an argumentative essay on an assigned topic, they are honing those skills.

D. Scientific Literacy: GASP courses cover wide-ranging topics that include the scientific history and research in visual and aural perception, artistic materials, built environment and engineering principles, and the development of digital technologies in the arts. Sound and light operate according to the laws of physics, and our perceptions of them operate on biologically as well as socially determined principles. Our students will learn how these laws and principles operate in tandem.

E. Development of Personal Potential: All GASP PLOs aim at helping students achieve academic excellence through not only acquiring specialized knowledge of the arts, but also applying their knowledge to research and creative projects that will facilitate the discovery, development and realization of their potential and strengths.

F. Leadership and Teamwork: GASP courses are structured around discussion-driven lectures and seminars, which are supplemented with collaborative assignments.

Students have ample opportunity to learn to work with their peers, resolve disagreement and conflict, share resources and responsibilities, and develop leadership skills and good work ethic.

G. Ethics and Responsibility: We teach our students to think critically about sonic and visual culture—things that society in general tells us are peripheral and unimportant, perhaps even frivolous, and yet which play a major role in constituting society itself. We believe that getting students in the habit of asking questions about fundamental things they are told they should not be asking questions about—and then answering those questions with clarity and intelligence—is critical to their advancement of human ethics on the whole.

H. Self and Society: We teach our students to understand and analyze the world around them via direct visual, aural, and corporeal impulses—channels that in all societies dominate our perceptions, and yet otherwise in scholarly discourse are so often and easily marked secondary in favor of scientific quantifiability and the black-and-white solidity of the written word.

UC Merced Eight Guiding Principles of General Education

The following chart illustrates how the GASP PLOs correspond with the eight UC Merced [Guiding Principles of General Education](#).

GASP PLOs	Sci Lit	Decision Making	Comm	Self & Soc	Ethics & Respons	Leadshp & Teamwk	Aesth & Creatvty	Pers Potntl
1	x	x	x	x	x	x	x	x
2	x	x	x	x	x	x	x	x
3	x	x	x		x	x	x	x
4	x	x	x		x	x	x	x

2.3 Assessment

Global Arts Studies faculty members have developed a full assessment plan that will satisfy the requirements for WASC accreditation, along with the new Core Competency requirements. We describe the principal components of the plan below. In the 2012-2013 academic year, the Arts minor changed its PLOs to the current four, which will be retained also for the GASP major, with one additional one to be added. In the 2012-2013 academic year, faculty members assessed PLO 4 of the Arts minor (different from PLO 4 in the GASP major). In the 2013-2014 academic year, faculty members assessed PLO 1 of the Arts minor (which will also be PLO 1 of the GASP major).

Through assessment activities in previous years, we gained insight on the sequencing of courses and cohesion of curricular training for students – core considerations in the building of the GASP major. For example, in AY 2012-2013, we identified a need to slightly alter the PLOs in order to clarify expectations for student learning in the program. Also in the same AY, we saw a need for curriculum coordination across the disciplines within ARTS-GASP to emphasize the PLO throughout the program coursework and to ensure that the PLOs are delivered in the appropriate courses. Ultimately, our experience with program assessment has allowed us to create a solid plan for the major in GASP. Previous year assessment reports from the Arts minor (for which the categories were different) will be made available upon request.

The following subsections describe the use of assessment processes from the Arts minor to also be used in the GASP major with and additional components in line with the new GASP major.

2.3.1 Timeline & Goals

We aim to use the assessment process to enhance the goals of our degree unit, improve our teaching and student learning, and increase the success of our students in their future education and labor market outcomes. We will begin implementing assessment of our GASP major in AY2015-16. PLOs 2, 3, and 4 will be assessed in AYs 2014-15, 2015-16, and 2016-2017, respectively. These three PLOs are remaining to be assessed from the previous Arts minor (earlier assessment reports are available upon request). The previous assessment results allow us to predict the ways that students in the GASP major will continue to achieve the ideals mapped-out in the PLOs and likewise benefit from the new major.

PLO 1, assessed AY 2013-14 as part of Arts Minor

PLO 2 (and aligning Core Competencies), to be assessed AY 2014-15 as part of Arts Minor

PLO 3 (and aligning Core Competencies), to be assessed AY 2015-16

PLO 4 (and aligning Core Competencies), to be assessed AY 2016-17

Once we have begun offering the senior seminar, we will evaluate our goals and our assessment tools to decide whether to continue this four-year cycle or to focus our assessment on the senior seminar projects. Continuation or alteration will depend on analyzing our own assessment methodology and student need. The GASP faculty will have one member serve as a “Faculty Assessment Organizer” (FAO) who will be in charge of facilitating our plan.

2.3.2. Evidence of Student Learning

How evidence will simultaneously serve as student learning data for exploring the PLOs and Core Competencies, how it will be analyzed, and how we will use it to improve student learning. Each year, one or more Core Competencies will be assessed along side the targeted PLO. Below, we list the Core Competencies that align with each PLO. We will meet the [accreditation requirement](#) of all Core Competencies assessed by AY 2017.

Outcome 1: Describe visual and aural texts in technical and theoretical terms.

Core Competencies: Writing Communication and Oral Communication

Direct Evidence: Student assignments. Faculty will assess student work by means of a rubric. Where work is to be evaluated in distinct disciplines (e.g., music vs. visual arts), separate, though coordinated, rubrics may be used. Where work from multiple classes within the same discipline is being evaluated at once, a control set of assignments will be read, assessed, and discussed by all faculty within that discipline in order to guarantee parity.

Indirect Evidence: We will rely on the results of the graduating senior survey administered each spring, and the alumni survey administered each summer.

Outcome 2: Analyze cultural, visual, aural and spatial procedures within their historical and conceptual contexts.

Core Competencies: Writing Communication, Oral Communication, Critical Thinking, and Information Literacy

Direct Evidence: Student assignments. Faculty will assess student work by means of a rubric. Where work is to be evaluated in distinct disciplines (e.g., music vs. visual arts), separate, though coordinated, rubrics may be used. Where work from multiple classes within the same discipline is being evaluated at once, a control set of assignments will be read, assessed, and discussed by all faculty within that discipline in order to guarantee parity.

Indirect Evidence: We will rely on the results of the graduating senior survey administered each spring, and the alumni survey administered each summer.

Outcome 3: Become familiar with multiple schools of thoughts in art history/visual studies and musicology/ethnomusicology.

Core Competencies: Writing Communication, Oral Communication, and Information Literacy

Direct Evidence: Student assignments. Faculty will assess student work by means of a rubric. Where work is to be evaluated in distinct disciplines (e.g., music vs. visual arts), separate, though coordinated, rubrics may be used. Where work from multiple classes within the same discipline is being evaluated at once, a control set of assignments will be read, assessed, and discussed by all faculty within that discipline in order to guarantee parity.

Indirect Evidence: We will rely on the results of the graduating senior survey administered each spring, and the alumni survey administered each summer.

Outcome 4: Acquire research methodologies specific to critical studies of the arts.

Core Competencies: Writing Communication, Oral Communication, and Information Literacy

Direct Evidence: Student assignments. Faculty will assess student work by means of a rubric.

Where work is to be evaluated in distinct disciplines (e.g., music vs. visual arts), separate, though coordinated, rubrics may be used. Where work from multiple classes within the same discipline is being evaluated at once, a control set of assignments will be read, assessed, and discussed by all faculty within that discipline in order to guarantee parity.

Indirect Evidence: We will rely on the results of the graduating senior survey administered each spring, and the alumni survey administered each summer.

2.3.3 Analysis and participants

The assessment of the GASP major will be based on the work of all students in their senior year. However, as the number of students in the GASP major rises, a certain number of students representing the following groups will be selected:

- Students who have expressed a primary interest in music.
- Students who have expressed a primary interest in visual arts.
- Students who have expressed equal interest in music and visual arts.

We will assess each of our PLOs during the academic year. Throughout the following summer, faculty and SSHA staff will enter the data and the faculty will produce results by the end of the subsequent fall semester (with an annual submission deadline of March 1).

Assessment Plan Activity	Who
Evidence collection	Faculty Accreditation Organizer (FAO) and at least one additional faculty member (rotates depending on which course[s] are included in the assessment plan)
Data entry	Faculty
Data analysis	FAO
Dissemination of results	FAO will distribute to all instructional staff (faculty, lecturers, TAs)
Implementation of findings to improve student learning	All faculty

2.3.4 Use of findings

Annual assessment findings have been used to improve student learning in several ways and we will continue in this tradition for the assessment of PLOs 2, 3 and 4. First, we will disseminate findings to all instructional staff, including faculty, lecturers, and teaching assistants so that they can identify areas of strength and weakness. Second, all faculty will participate in a discussion at least once a year about whether the results from the assessment

suggest ways in which we may be able to improve our curriculum, alter the curriculum content, enhance students' skill development, or change our pedagogy. Third, we will share the results with students via the website and in informal gatherings.

2.4 Samples of study for a BA degree in GASP

What follows are four sample plans of study for a BA degree in GASP. The first assumes that the student begins taking the necessary courses upon arriving at UC Merced as a freshman. The second assumes that the student begins taking the necessary courses in the sophomore year. The third assumes that the student begins taking the necessary courses in spring of the freshman year, and then spends a junior year abroad. The fourth assumes that the student is a junior transfer from a traditional community college music major.

2.4.1 Sample study plan, beginning freshman year

Freshman year (fall):

Introduction to Visual Culture

Freshman year (spring):

Introduction to Music Studies: Elements of Music

Music of Asia Pacific

Sophomore year (fall): Multimedia Studio

Sophomore year (spring): Global Art History

Image and Sound

Junior year (fall):

Critical Popular Music Studies

Nordic Dance Ensemble (2 credits) Junior year (spring):

Museums as Contested Sites

Nordic Dance Ensemble (2 credits) Senior year (fall):

Theories of Expressive Culture

Music and Society

Senior year (spring): Senior thesis

2.4.2 Sample study plan, beginning sophomore year

Sophomore year (fall):

Introduction to Visual Culture

Substances of Visual Art

Sophomore year (spring):

Introduction to Music Studies: Elements of Music

Multimedia Studio

Junior year (fall):

History of Clothing, Costume, and Fashion: Euro-centric Pre-History to 1800

Introduction to Music Theater Vocal

Junior year (spring): Global Art History Image and Sound

Senior year (fall):

Theories of Expressive Culture

Fundamentals of Three Dimensional Design

Senior year (spring): Senior thesis

History of Clothing, Costume, and Fashion: Euro-centric 1800 to 1980

2.4.3 Sample study plan, beginning freshman spring, with junior year abroad

Freshman year (spring):

Introduction to Music Studies: Elements of Music

Techniques of Interdisciplinary Research in Arts

Sophomore year (fall):

Introduction to Visual Culture

Music and Society

Learning to See in Three Dimensions

Sophomore year (spring): Global Art History Image and Sound

Architecture Design Studio: Modern Houses

Senior year (fall):

Theories of Expressive Culture

African American Music of the Twentieth Century

Senior year (spring): Senior thesis

Introduction to Vocal Jazz Repertoire

2.4.4 Sample study plan, junior transfer

Prerequisites covered before arriving at UC Merced (community college music major):

Introduction to Music: Elements of Music (= Music Theory I)

One Additional Lower Division GASP or ARTS course (= Music Theory II) Music and Society
(= History of American Popular Music)

Music ensembles, 8 credits (= Wind ensemble, four semesters)

Junior year (fall):

Introduction to Visual Culture

Learning to See: Beginning Photography

Junior year (spring): Image and Sound Global Art History

Senior year (fall):

Theories of Expressive Culture

Critical Popular Music Studies

Senior year (spring): Senior thesis

2.5. Catalog Description

The Global Arts Studies Program (GASP) at UC Merced educates students in the history, theory, and practice of the arts in a global context. The program brings together disciplines traditionally housed in different departments, including art history, visual studies, musicology and ethnomusicology, music performance, and studio art. The GASP curriculum integrates creative practice and hands-on training (ARTS 40%) with the theoretical analysis of visual, sonic, and material culture (GASP 60%). Our aim is to build an arts research program that fosters a new generation of critical thinkers with global and interdisciplinary perspectives grounded in rigorous acquisition of historical and theoretical knowledge.

The program is global in many senses of the word. We study all fields of creative expression in multiple global contexts with equal rigor, from film screen to dance club, from ritual and touristic practices to museums and concert halls. [Our faculty](#) of ethnomusicologists and art historians helps students refine the skills they need to critically engage culturally diverse media. Lecture courses, seminars, studio classes, and ensembles are designed to explore creative processes and material connections.

Working closely with faculty, our students conduct original research and acquire nuanced insights in both sonic and visual realms. Students further deepen their understanding of global arts through hands-on training in drawing, painting, sculpture, photography, music, and dance in a variety of media and cultures. GASP offers students ample opportunities to develop their professional skills by participating in community-oriented events—curating exhibitions, managing the UCM Art Gallery, and organizing recitals, concerts, and multimedia performances.

3. Annual Assessment and Accreditation

Submitted Arts Minor Annual PLO Assessment Reports are available upon request. The Reports that are available include one that is specific to the Arts Minor (AY 2012-2013) and one that overlaps with the proposed GASP major (PLO 1, AY 2013-2014). Both available reports illustrate our assessment practices and how we utilize findings.

4. Resource Needs and Plan for Providing Them

4.1 Faculty

In AY 2014-15, the core faculty for GASP will be:

1. Aditi Chandra, Assistant Professor of Art History: Islamic and South Asian art and architecture, Colonial & Postcolonial Studies, Travel and the Visual, Cinemas of India.
2. Jayson Beaster-Jones, Assistant Professor of Ethnomusicology: Music as commodity, South Asian popular music.
3. David Kaminsky, Assistant Professor of Ethnomusicology: Swedish Folk Music and Dance, Music and Identity.
4. Duniya Ramacova, Professor of Art History; History of Costume, Ethnic Costume, Design
5. ShiPu Wang, Associate Professor of Art History: Twentieth-Century Euramerican Art with an Emphasis on Diasporas, Race and Nationalism.
6. Ken Yoshida, Assistant Professor of Art History: Postwar Japanese Art, Film Studies and Critical Theory.

Ethnomusicology/Critical Musicology

Our goal is to fill one more area of critical need in an integrated curriculum: music/sound studies in relation to digital technology. A new faculty hire with expertise in sound and music as it relates to digital technology will bridge a number of intra- and interdisciplinary gaps and be a valuable resource for both our graduate and undergraduates. They will round out our strengths in film and media studies, which are currently weighted toward the visual end. They will foster interdisciplinary connections via the digital humanities, and bring in new perspectives on new technologies as mechanisms for the globalization of musical experience. Moreover, they will help prepare our students for new sociotechnological developments both inside and outside of academia.

4.1.1 Teaching rotation

We can initiate the major with six faculty members in Global Arts Studies: two in music and four in visual arts. An additional music faculty member in the following year would help us to offer the full range of senior courses, and graduate our first GASP majors. If a tenure track line is not available, a lecturer would also serve.

A future expansion in faculty would further allow us to offer (a) all of our required courses once per semester, (b) a robust selection of upper-division courses in both music and visual arts, and (c) a selection of service courses for the general student body.

In addition, we would be able to offer regular graduate courses, and to function as a strong pool of advisers and committee members for graduate students interested in doing work in both music and visual arts.

The chart outlines a potential teaching rotation for the required GASP courses with our current five faculty in place in the first year, and a sixth in the second (if we are unable to hire a sixth faculty member, the additional load could be covered by a lecturer). It follows our current three-course teaching load. The rotation allows each student to take at least one course with each of the GASP faculty.

AC (Aditi Chandra), JBJ (Jayson Beaster-Jones), DK (David Kaminsky), KY (Ken Yoshida), SPW (ShiPu Wang), and DR (Dunya Ramicova).

A1 = Introduction to Visual Culture

A2 = Introduction to Music Studies

B1 = Global Art History

B2 = Music and Society

C1 = Image and Sound

D1 = Theories of Expressive Culture

D2 = Senior Thesis

E = Additional upper division GASP and ARTS courses (electives)

F1 = Fall 1st Year S1 = Spring 1st year F2 = Fall 2nd Year S2 = Spring 2nd Year

	AC	JB	DK	KY	SPW	DR
A1	/	/	/	F1	/	
A2	/	/	F1	/	/	
B1	F1	/	/	/	/	
B2	/	/	F1	/	/	
C1	/	F1	/	/	/	
E	F1	/	/	F1	F1	F1

	AC	JB	DK	KY	SPW	DR
A1	/	/	/	/	S1	
A2	/	S1	/	/	/	
B1	/	/	/	/	/	S1
B2	/	/	S1	/	/	
C1	/	S1	/	/	/	
E	S1	/	/	S1	S1	S1

	AC	JB	DK	KY	SPW	DR
A1	/	/	/	F2	/	/
A2	/	F2	/	/	/	/
B1	F2	/	/	/	/	/
B2	/	/	F2	/	/	/
C1	/	/	/	/	/	F2
D1	/	/	F2	/	/	/
E	/	/	/	F2	F2	F2

	AC	JB	DK	KY	SPW	DR
A1	/	/	/	/	S2	/
A2	/	S2	/	/	/	/
B1	/	/	/	S2	/	/
B2	/	/	S2	/	/	/

C1	S2	/	/	/	/	/
D2	/	S2	/	/	/	/
E	S2	/	/	/	S2	S2

4.2 Needs for specialized staff

ARTS and GASP collectively serve over 1,100 students per academic year in classroom settings alone—the number is of course greater when expanded to include audience members, event attendees, and gallery patrons. Much of this service goes beyond classroom teaching and advising to include space, resource, and equipment management; as well as exhibition, event, and concert planning. As the Arts grow at UC Merced, so will these responsibilities. Already the administrative burden is beyond what we consider reasonable for faculty, and our lack of dedicated staff severely limits the services we are able to provide to students and community.

Ideally, we would like to have two ARTS LPSOEs in place by the time we begin to offer the GASP Major in Fall 2016. One would be in music, the other in visual arts, and each would have a two-course reduction to shoulder the administrative burdens of their respective fields—coordinating and managing ARTS and GASP schedules and lecturer/curricular requests, managing equipment and space, and so forth.

One LPSOE will offer ARTS or GASP courses related to digital humanities and/or museum studies, two areas of focus in the Interdisciplinary Humanities Graduate Program. In addition to administrative responsibilities, the LPSOE will also assist in managing the UCM Art Gallery programming through teaching one to two courses in museum studies, with GASP faculty's input and involvement. The Gallery has offered shows that are interdisciplinary in content and presentation, and the LPSOE will continue to organize exhibits that explore intersections of digital, visual, aural, and performative arts—the research interests of several Interdisciplinary Humanities Graduate Program faculty.

The other LPSOE will teach classes in sound recording, mixing, and digital music. The LPSOE will also manage the media lab, music practice rooms, and film viewing stations --particularly for the required Image and Sound course. The LPSOE will be able to become an important contributor to a proposed HumLab that offers tools and training for faculty and graduate students working on public humanities projects.

If resource allocation does not allow the hiring of two LPSOEs by 2016, the abovementioned administrative functions could be handled by a single full-time dedicated staff person, until such time as those resources do become available.

4.3 Specialized space needed

To fully support an integrated curriculum in GASP, we need the following specialized spaces:

- A multimedia room with viewing stations equipped with computers that could handle video and sound editing. As these files tend to be large in size, computers with large amounts of RAM and fast CPU are essential. The Center of Humanities is creating a

multi-media production work station, and some computers have begun to be tasked in this way in the SSM student computer lab.

- A recording studio with separate mixing booth, soundproofed, ventilated, and equipped with mixing board, microphone setup, and cables. Creation of this space is currently in process (SSM 122 is being adapted for this purpose).
- A combined music and dance rehearsal space, soundproofed and outfitted with dance floor and mirrors. Creation of this space is currently in process (SSM is being adapted for this purpose).
- An additional studio art classroom will greatly alleviate the current burden of using only one classroom for all courses regardless of the art medium under study. As divergent materials are used in these classes, it is of paramount importance, for the health of the students and instructors, to be able to use separate chemicals (e.g., those found in paints) in different spaces.
- Several well-ventilated and temperature-consistent storage rooms for musical instruments, media equipment such as video cameras, hard drives, microphones, and other necessary devices, and potential art collections. SSM 152 is currently being adapted for this purpose.

4.4 Library resources

We are currently working with the library to implement a digital streaming service that would allow students to view films assigned in class.

We are also in the process of increasing the book collection in the library as texts in the areas we teach are lacking at present. The library staff have been forthcoming and have started ordering books that are not already available as e-texts.

5. Potential for non-Majors to participate

There is a fairly large number of Arts Minors at UC Merced, numbering at about 60-70 in the past two years, who will naturally gravitate towards the GASP major. However, the inherent interdisciplinarity of both art history and musicology will naturally allow for GASP courses to be of interest to non-Majors. For example, students of Chinese, Islamic, or American history will profit from an engagement with the arts and music of those cultures. Anthropology AND Archaeology students will no doubt be interested in the study of pre-modern art and architecture. English majors with interests in theater and performance studies can broaden their education by taking GASP's performance-focused courses that engage both music and theater. GASP Courses on aesthetics, race, and national identity will appeal to Philosophy and Political Science Majors. Courses in visual arts and music will be useful for Cognitive Science majors keen to learn about the impact of images and sound on the brain. GASP majors will also be enriched by their interactions with students in all of these various fields.

If potential majors are unable to take required courses due to overenrollment, the program will generate major-only sections of those courses. However, we do not anticipate this as a problem in the first few years of the major.

6. Timetable for implementation

We propose implementation of the GASP Major in Fall 2016. Students with Freshman, Sophomore, or first-semester Junior standing in Fall 2016 would be allowed to change their major to a GASP Major, per the UC Merced Change of Major Policy. Students with second-semester Junior or Senior standing as of Fall 2016 will not be able to declare GASP as a major. Transfer students will be allowed to enter the program as of Fall 2017.



SCHOOL OF SOCIAL SCIENCES, HUMANITIES AND ARTS

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November 7, 2014

To: GASP Major Proposal Faculty

Re: GASP Major Proposal

On October 29, 2014, the School of Social Sciences, Humanities and Arts Curriculum Committee met to review and discuss the submitted GASP Major Proposal. We received the major at our first meeting, on September 29, and postponed discussion until October 29, when all members would have had time to read and analyze the proposal fully.

The CC wants to congratulate you on an innovative and fresh approach. While some of us have concern about proposing any new major in the current UC climate, as many of us had a strong feeling that a UC campus without an arts major should not exist. With both in mind, we look and respond to your proposal with a view to its necessity and ways to make it function.

First, and technically, Megan Topete has adjusted the courses on pages 8 – 9, in section 2.1.2, to remove courses that do not exist in ENG and to add cross listing when appropriate. You might also reach out to faculty in majors within SSHA and beyond to expand your list. Megan also pointed out that the Arts Minor is listed incorrectly in the GASP Major Proposal. It does not match the [general catalog](#). We have concerns that UGC will delay your proposal because of this error. The committee also expressed concern over the teaching rotation chart included in the major, since it does not list classes and is thus less clear than it could be on how and which faculty will deliver the courses this ambitious major requires.

Our other concerns fall into the area of resources, especially in terms of projected needs for faculty, growth, and space.

As to the first, the committee expressed a desire for you to be clearer on your hiring needs/expectations. Specifically, on p. 17 the major proposal says “it is crucial to have an additional ethnomusicologist or critical musicologist join us by the time the GASP Major is offered.” But it backtracks quite soon to “FF as of year 2 or a lecturer.” Basically, this raises the question: is the hire crucial or not? But more broadly, it asks the question of if the major can launch in the current hiring climate. If funding is not available for a faculty search or lecturer hire, how will the major function? Working on the basic question of whether students can get the courses they need when the major launches, a concern all new majors face, the committee also expressed concern over class size, student faculty ratio and teaching load. Given that the courses in the major will more than likely attract non majors, will there be room in classes and faculty enough to serve the needs of majors? In the most basic iteration, if the major launched now, would existing faculty and lecturer

FTE be enough?

Beyond the major's launch, the CC has some concern over its optimistic growth projections. Will GASP faculty be reaching out to non UCM faculty and community partners, both of which can augment the current structure? With the potential non major appeal of many courses, the CC discussed the idea that some UCs make courses in performing arts for majors only to help manage the balance. The committee also wondered about GASP's potential following of the PSY and SOC slow growth pattern, which PSY structured so that GE courses are reserved for majors and minors by adding a pre req. Finally, the committee would like some assurance of how the major will function if it does not grow to the robust ten member faculty it ideally projects.

Growth needs also seem projected around space expansion. In 4.3, the major specializes space needs. Please clarify which items on the list have been provided and which have not and how the major will move on should specifically listed items not in existence not come to fruition.

The committee expressed a general concern for the workload projected for the LPSOE and urges GASP to think of associate director designation. LPSOEs can take administrative positions, and a clearer explanation of how GASP'S would do that, administratively, will make their projected work load justification clearer.

Overall, the committee hopes you will address our concerns and looks forward to a response sent to Megan Topete (mtopete@ucmerced.edu) no later than Friday, December 5. We are impressed by the scope and ambition of your proposal.

Sincerely,

Jan Goggans
Chair, SSHA Curriculum Committee

CC: James Ortez, Associate Dean, SSHA
Megan Topete, Manager of Instructional Services, SSHA
Morghan Young Alfaro, Manager of Student & Program Assessment



SCHOOL OF SOCIAL SCIENCES, HUMANITIES AND ARTS
GLOBAL ARTS STUDIES PROGRAM

UNIVERSITY OF CALIFORNIA, MERCED
5200 NORTH LAKE ROAD
MERCED, CA 95343

December 1, 2014

To: SSHA Curriculum Committee

Re: GASP Major Proposal

GASP faculty met on November 21 to address the concerns of the November 7 memo from the SSHA curriculum committee. We made a number of adjustments to the proposal that we hope will address the concerns of the committee. These changes include:

- 1) In section 2.1.1, the description of the Arts Minor in the proposal was adjusted to match the catalog description of the minor.
- 2) In section 4.1, Dunya Ramicova was added to the list of core faculty; language indicating the immediate need for an additional musicologist was removed.
- 3) In section 4.1.1, Dunya Ramicova was added to teaching rotation. Additionally, GASP faculty noted that a list of classes and key were included in this section above the table and abbreviations for these classes are used in the table, which should clarify confusion about reading the teaching rotation schedule.
- 4) In section 4.4.1, the language about future faculty was adjusted in order to compensate for the current hiring climate at UCM. As such, the proposal should now indicate that there are sufficient faculty to begin the major, even as it points to future faculty needs (i.e. a musicologist).
- 5) In section 4.2, LPSOE faculty positions were each given a two-course reduction to compensate for heavy administrative burden.
- 6) In section 4.3, added language to the description of specialized spaces that indicates which spaces are already being adapted for GASP needs. At the present time, all but one of these spaces are in process.
- 7) In section 5, added language that indicates that major-only sections will be created in the case of overenrollment of core GASP classes.

Please let us know if you have any other suggested changes to the proposal.

A Proposal for a program of graduate studies in

Public Health

for the Ph.D. and MSPH Degrees

University of California, Merced

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Executive Summary:

The purpose of this proposal is to describe the rationale for UC Merced to establish a Doctor of Philosophy (Ph.D.) in Public Health. The vision to promote Public Health at UC Merced was first articulated by UC Merced faculty and administration in the Strategic Vision of 2009. Since that time, we have taken great strides to achieve this vision, including introducing an organized research unit dedicated to promoting health research (the Health Sciences Research Institute), introducing an undergraduate major and minor in Public Health, and continuing to promote the development of medical education in the region (the San Joaquin Valley PRIME program). The vision to promote health research and education through 2020, including Public Health, has recently been articulated in the Human Health Sciences proposal as part of the Strategic Academic Focusing (SAF) initiative currently ongoing at UC Merced. This proposal describes a number of concrete steps the campus can follow to continue to develop health related research and education on campus, including introducing a research doctorate in Public Health.

The proposed focus of the Ph.D. in Public Health - Prevention Sciences - builds on the expertise of our faculty, the resources on campus, and our unique position of being located in a rural, underserved, ethnically diverse region. Specifically, the program focuses on training students to conduct research aimed at preventing chronic and infectious diseases in rural, underserved, disadvantaged, ethnically diverse communities. The program will emphasize the role of transdisciplinary approaches to addressing public health challenges, and train students to conduct and disseminate their research to diverse groups, including community members and organizations, healthcare providers, and policy makers. Our program aims to successfully place graduates in tenure-track jobs in academia, or research positions in industry, government, or non-governmental organizations.

While other programs in the University of California system offer training in Prevention Sciences, including chronic and infectious diseases, our program is unique in making transdisciplinary approaches to addressing problems of vulnerable and diverse populations in rural settings, which is the focus of the training students will receive during their study. This approach, developed by faculty on campus starting in 2009, utilizes the existing strengths on campus, including resources and expertise in translational sciences and transdisciplinary research (e.g., HSRI, the Blum Center, and ReCESS), experience in conducting transdisciplinary and collaborative research with communities, healthcare providers, and policy makers to address the health challenges facing rural, underserved, ethnically diverse communities, and the interests of our targeted students.

We expect to admit 7 students per year. Based on our consultations and market research, we expect to attract students seeking training in conducting research relevant to rural, underserved, and ethnically diverse regions of the county and the world. Initially, we expect our prospective students to come from three sources: graduates with an MPH from California State University campuses across the state, undergraduates in institutions in the San Joaquin Valley, and health professionals in the San Joaquin Valley. As the program develops, we anticipate attracting students from other areas of the US and other counties. Thus, we do not expect to compete for students with the existing programs in the UC but rather see our program as adding to the options available to students interested in studying Public Health within the UC system.

Funding for the students will come from teaching assistantships and graduate research assistantships. The existing facilities at UC Merced will support the graduate students, including sufficient laboratory space and computing resources. The faculty associated with the Public Health Graduate program has demonstrated success in attracting external funding. In addition, we will actively pursue training grants to support graduate students. To the extent that our prospective students are similar to the current composition of UC Merced students (45% Hispanic, 6% African American, and 25% Asian; 60% first generation college students), and given UC Merced's designation as a Hispanic Serving Institution, we anticipate being well placed to attract training grants to support our graduate students.

In proposing the Ph.D., we have taken a measured approach by ensuring that the current program could be offered with existing resources. Specifically, we currently have sufficient faculty to train and supervise students, sufficient laboratory space to house graduate students, and sufficient funding to support the students. The proposed program does not require accreditation. While all other UC campuses with Public Health programs offer a similar research based degree, our program is distinctive and thus we expect to attract graduate students interested in conducting research in rural, underserved, and ethnically diverse communities. As the program develops, we will assess whether to expand our offerings to include other areas and offer an accredited MPH, with the decision being determined by student demand, the number of new positions that are allocated to Public Health, the outcomes of the SAF initiative, and consultation with the faculty, Provost, Dean, Senate, and Graduate Council.

Section 1: Introduction

1.1 Aims, Objectives, and Distinctive Features of the Program

Public Health is a transdisciplinary area of research and study that focuses on measuring, understanding and improving the health of the population, including assessing the health needs of vulnerable populations, understanding the causes and determinants of health challenges and problems, and identifying ways to improve the public health system and the health of the population. Our goals in establishing a Ph.D. in Public Health at UC Merced are to i) attract high-quality graduate students who are interested in conducting research relevant to underserved and vulnerable populations, ii) provide world-class training in research aimed at preventing chronic/infectious diseases and promoting healthy development in underserved and diverse populations, iii) provide training in transdisciplinary research and in translating and disseminating the research to diverse groups, including community members and organizations, healthcare providers, and policy makers, and iv) successfully place graduates in tenure-track jobs in academia, or research positions in industry, government, or non-governmental organizations.

Our program is distinctive in several respects. First, while other programs in the University of California system offer training in Prevention Sciences, including chronic and infectious diseases, our program will emphasize transdisciplinary approaches to addressing problems of vulnerable and diverse populations in rural setting. In this light, our location in the San Joaquin Valley (SJV) is relevant because it affords the opportunity, as well as the obligation, to find innovative ways to address complicated health issues. Merced was chosen as the site of the latest University of California campus in part due to the recognition of the high levels of poverty and health disparities that exist in the SJV, a region comparable to the poorest parts of Appalachia.¹ The region includes the urban center of Fresno, with more pockets of intense poverty than any other U.S. city, and also low-wage farm and service-related regions with significant ethnically diverse communities.² The eight counties in the SJV rank among the lowest in the state in both health outcomes (mortality and morbidity) and the factors that contribute to health (social and economic factors, and physical environment).³ The region suffers from a lack of investment in Local Health Departments, the traditional safety nets in the region,⁴ and includes numerous communities that are federally designated as a Health Professional Shortage Area (HPSA). The lack of access to routine preventative care contributes to the much higher than average prevalence of chronic diseases in the SJV.

The problems facing the communities in the SJV are not unique, for there are rural, underserved, ethnically diverse communities throughout the US and the world that face similar health challenges. What is unique is to find a new research university, one whose mission includes "fostering and encouraging

¹ Congressional Research Service (2005). *California's San Joaquin Valley: a region in transition*. Retrieved March 1, 2011 from: www.house.gov/nunes/documents/San_Joaquin_Valley_CRS_Report.pdf.

² Capitman J, Riordan G. Growing a healthier San Joaquin Valley. Retrieved on February 27, 2011 from: www.csufresno.edu/ccchhs/documents/CVHPI_recomend0107.pdf.

³ [University of Wisconsin Population Health Institute](http://www.countyhealthrankings.org). County Health Rankings. Retrieved on March 30, 2011 from: www.countyhealthrankings.org

⁴ Weiner J, Carlson K. Special Report: Healthcare at crisis status in Stanislaus County. Retrieved on 18 March, 2011 from: www.sacbee.com/2011/02/19/3416837/special-report-healthcare-out.html

cross-disciplinary inquiry and discovery" with its "location in the San Joaquin Valley, reflecting the poetry of its landscape, history, resources and diverse cultures" making it a "natural laboratory," located in a region with a significant population (4 million people) that has no research university to provide Ph.D. level training to students interested in Public Health. Our vision is to for the SJV to serve as a natural laboratory in which to train Public Health students to conduct relevant research with underserved and disadvantaged groups in rural, underserved areas. The training the students will receive will be pertinent to other areas and regions, whether they are in California, other parts of the US, or in other places in the world. The benefits that people of the SJV will receive will help eliminate the health disparities in the region while providing evidence on how to reduce health disparities in other rural, underserved, ethnically diverse regions.

The need for public health training at UC Merced has been recognized both at UC Merced and the Office of the President. UC Merced's Strategic Academic Vision (2009) included "Human Health" as a major theme, with three objectives: 1) to establish the Health Sciences Research Institute (HSRI), 2) establish a School of Medicine, and 3) evaluate the potential for a School of Public Health. By Fall 2014, faculty at UC Merced have made significant progress towards meeting the objectives laid out in the 2009 Strategic Academic Vision, including (a) establishing the Health Sciences Research Institute (with 80 affiliated faculty members, the largest ORU on campus), (b) participating in the development of the San Joaquin Prime Program for medical education, (c) proposing the establishment of Public Health Bylaw 55 unit with 20 Core, Active, and Affiliated members, and (d) contributing to the establishment of health science programs at the undergraduate level through the introduction of an undergraduate major and minor in Public Health. The establishment of a Ph.D. program in Public Health is integral to establishing a firm program in Human Health that is consistent with the 2009 UC Merced Strategic Academic Vision.

The need for additional graduate education in Public Health at UC Merced has also been recognized by the Office of the President. A 2009 report from the University of California Office of Health Affairs encouraged UC Merced "(t)o address both regional needs and student interests, possible future development of new programs in other health professions, including perhaps programs in nursing and public health, where regional needs also exist."⁵ That same report also recommended a 50% increase in doctoral students across the UC system in Public Health by 2020.⁶ This sentiment has been echoed in the report *Public Health Education and the University of California*, which noted that while there is a growing demand for a more educated public health research work force at the national level, California is plagued by a limited applicant pool for trained public health professionals.⁷ In particular, there is a need for graduate programs in public health research that can train students to address contextual health issues associated with the demographic and epidemiological shifts taking place in California. Our proposed

⁵ Page 17. Office of Health Affairs. A COMPELLING CASE FOR GROWTH: *Special Report of the Advisory Council on Future Growth in the Health Professions*. University of California Office of the President. 2009.

⁶ Ibid. Page 18.

⁷ Public Health Education and the University of California. Final Report of the Health Sciences Committee – April 2004. Available at http://www.ucop.edu/health-sciences-services/_files/public_health.pdf, page 12.

Ph.D. program will address this gap by training Public Health researchers to address the health problems of vulnerable populations, particularly in rural and underserved areas.

The proposed Ph.D. in Public Health is also consistent with the stated goals of the Human Health proposal recently submitted as part of the Strategic Academic Focusing (SAF) initiative at UC Merced. The Human Health proposal represented a consolidation of four proposals: Public Health, Healthy Development (Psychology Department), Molecular and Cell Biology, and the Health Sciences Research Institute. Together, these proposals represented nearly 50% of the faculty on campus, with a nearly equal number of faculty from each of the three schools. The proposal reflects the fact that Human Health research and education are well established as a major theme at UC Merced. The investment that the campus has made to arrive at this point is already bearing fruit, as health is the single largest concentration of grant funding and publications on campus. Public Health is an integral part of this proposal.

Our proposed graduate program in Public Health will train students to conduct research aimed at preventing chronic and infectious diseases in rural, underserved, disadvantaged, ethnically diverse communities. We will achieve this goal by drawing upon the latest innovations in Prevention Sciences regarding community engaged research and scholarship to train students to work with diverse populations in underserved communities. The training will emphasize the role of culture and the physical environment on health behavior, the importance of transdisciplinary approaches, community based participatory research, and translational research to address health disparities, and how to disseminate the results to diverse communities. Our program is designed to prepare students for research careers in both the academic and non-academic labor markets. It will focus on providing its graduates with the necessary theoretical and quantitative skills to excel in the study of contemporary Public Health theory and policy. Our graduates will help fill the need for trained public health researchers in both the public and private arena. In addition, our program will help to fill the need for faculty members to train the next generation of public health researchers. The Ph.D. program is designed to be full-time, and we do not plan to accept students seeking to attend on a part-time basis. The MSPH degree will be offered as an option for students admitted to the Ph.D. program.

1.2 Historical Development of Field and Departmental Strength in Field

Training and education in Public Health has a long history within the United States and around the world.⁸ Although Public Health education traditionally placed great emphasis on epidemiology and detection of disease, Public Health education is now much broader, encompassing a wider range of areas including health promotion, health psychology, medical sociology, medical anthropology, health economics, health communication, infectious disease control, environmental health, public health genetics, health policy, and health management, to name only some of the areas. This expansion of the scope of Public Health reflects the recognition that many of the problems facing society, such as gun violence, tobacco use, motor vehicle deaths, and obesity result from the intersection of individual, local, national, and global factors that require multipronged approaches developed by researchers from a range

⁸ Rosen, George. *A history of public health*. JHU Press, 1993.

of disciplines.⁹

There are two different categories of Public Health degrees: professional and academic.¹⁰ Professional degrees, including the Master of Public Health (MPH) and the Doctor of Public Health (DrPH), are oriented towards practice in public health settings. Research degrees, including the Masters of Science in Public Health (MSPH) and the Doctor of Philosophy (Ph.D.) in Public Health, place more emphasis on research and thus are seen as more academically based. Professional doctoral degrees (DrPH) are only provided by accredited programs in Public Health, while research based degrees can be offered by either accredited or non-credited programs. In the UC system, UCLA, UC Davis, UC Berkeley, UC Irvine, and UCSD (jointly with SDSU) all offer MPH degrees and Ph.D.'s in Public Health, but only UC Berkeley and UCLA offer a DrPH. An MPH degree is not required for a Ph.D. in Public Health, though most universities choose to offer a terminal MPH degree because of the high student demand.

Public Health recognizes five core areas within the discipline – i) epidemiology, ii) statistics/biostatistics, iii) health services research and policy, iv) social and behavioral health, and v) environmental health. All five areas are important and relevant to focus the proposed graduate program at UC Merced on Prevention Sciences. In Public Health, Prevention Science programs generally focus on health promotion and disease prevention, emphasizing the need to create policies and programs (interventions) prior to the manifestation of diseases or health problems within individuals and populations,¹¹ and the distribution of such outcomes within the group.”¹² Prevention Sciences incorporates the core Public Health areas of health services research and policy; social and behavioral health, epidemiology, and environmental health, which are all strengths of the current faculty at UC Merced. Prevention Sciences is a broad area that can be addressed by researchers from all five core disciplines in Public Health.

When making this decision the faculty considered a number of factors, including the opportunities for students to receive superior training at other UC campuses, the strengths of the faculty at UC Merced, the likely evolution of Public Health research and education, project demand and interests of prospective students, and the opportunities for these students to obtain tenure track positions in academia. The faculty has chosen to take a measured approach by introducing a program that focuses upon one area (Prevention Sciences) initially, and then determining whether to expand the scope as student demand, institutional support, and experience dictates. This decision was also made in consultations with prospective employers (e.g., academic institutions and local Public Health Departments), colleagues at other institutions, and areas of faculty research. A summary of the factors that we considered when deciding on

⁹ See, for instance;

Mozaffarian D, Afshin A, Benowitz NL, et al. Population approaches to improve diet, physical activity, and smoking habits. *Circulation*. 2012;126(12):1514-1563.

Hemenway D. The public health approach to motor vehicles, tobacco, and alcohol, with applications to firearms policy. *J Public Health Policy*. 2001;22(4):381-402.

¹⁰ Schools of Public Health and Public Health Programs". Council on Education for Public Health. http://ceph.org/assets/Master_List.pdf. Accessed on November 30, 2014.

¹¹ Degree Programs in Prevention Science February 2013. Society for Prevention Research.

<http://www.preventionresearch.org/Degree%20Programs%20in%20Prevention%20Science%20February%202013.pdf>

¹² Kindig D, Stoddart G. What is population health. *AJPH* 2003;93(3):380–3

the focus of our program are:

- ***Strengths of UC Merced in comparison to other UC campus*** - The UC system is blessed with some of the finest Public Health researchers and educational programs in the world. Our program is unlikely to be as large or expansive as the programs at our sister campuses anytime in the near future. However, we feel that by offering a program that utilizes our relative strengths, we can increase the options available to students interested in studying within the UC system.

One strength is the diversity of our faculty and transdisciplinary nature of much of our research. Though we are a growing campus, the relative lack of institutional silos has created an environment in which transdisciplinary research is common. This is partly due to the fact that many of the research issues we address require a transdisciplinary approach, and partly because of necessity: As a relatively small campus, our colleagues are likely to come from other disciplines. The campus has recognized this diversity and need to emphasize transdisciplinary research as a strength, and is actively working to ensure that transdisciplinary research and teaching is supported on campus. Indeed, when hiring new faculty, a key factor that we consider is the ability of the candidate to work with others outside their field. As a result, all members of the Public Health group are committed to transdisciplinary research. While we acknowledge that transdisciplinary research is alive and well at other UC campuses, we feel this is a particular strength at UC Merced.

A second strength at UC Merced is our focus on and experience with conducting community based participatory research (CBPR). For instance, the Health Sciences Research Institute (HSRI), the largest organized research unit on campus, is dedicated to promoting transdisciplinary and community engaged research among faculty, including sponsoring the development of a Translational Research Center that involves a range of community and healthcare provider stakeholders. In addition, two other research institutes - the Blum Center and the Resource Center for Community Engaged Scholarship (ReCESS) - actively support community members and train faculty to work with community partners to develop research questions, implement studies, and disseminate research results to change practice and behavior. While CBPR is well established at many of the UC's, research that engages community stakeholders has been actively supported at UC Merced. Our proposed curriculum builds upon our faculty's expertise in community-based and community-engaged scholarship, and will produce graduates with particular expertise in mixed methods methodologies and the theoretic basis with which to conduct relevant research.

- ***Strengths, interests and expertise of faculty*** - The faculty associated with the proposal come from a range of backgrounds, including health disparities, Latino/a health, epidemiology and social epidemiology, health psychology, medical anthropology, health economics, health communication, infectious disease, immunology, environmental health, public health genetics, and behavioral health. At the same time, most have significant experience in Public Health either

through formal training (a number have MPH degrees or have engaged in Public Health postdoctoral training), by having previously worked in Schools of Public Health or Medical Schools, and by engaging in Public Health research. As a result, the faculty is well versed in Public Health research and training. We feel that our diversity and commitment to work cooperatively to develop a program with a transdisciplinary focus in which students learn to approach health problems from a number of different perspectives is a strength of our proposal. While the students will ultimately conduct research relevant to the prevention of chronic and infectious diseases, they will benefit from having been trained to work across disciplines and with diverse teams of researchers.

- ***Evolution of Public Health research and training*** - There is much debate regarding the appropriate training of the public health workforce.¹³ Our assessment is that addressing Public Health problems will increasingly require researchers to take a multipronged approach, including addressing the underlying social determinants of infectious and chronic diseases. Rather than 'quick-fixes' or single-prong solutions, addressing current health issues will involve sustained efforts to communicate health risks in order to change behaviors and the environments in which vulnerable communities live. In addition, the advent of the Affordable Care Act (ACA) means that many people who previously had only limited access to health care will, in principle, have greater opportunities for care. However, increased opportunities for access do not necessarily translate into increased utilization. Research is needed to find ways to improve access to culturally appropriate services in rural, underserved, ethnically diverse communities. In addition, the ability of healthcare systems in underserved areas to meet the needs of the diverse populations I raises concerns about the adequacy of the safety net. Concerted efforts will be needed to ensure that providers are providing culturally appropriate care. Finally, changes in the physical environment and the interaction between genetics and the environment are being increasingly important to our efforts to understand the determinants of health and develop new approaches to preventing chronic and infectious diseases. Taken together, our assessment is that students must be trained to understand the myriad of factors that influence health and health behaviors, to take a transdisciplinary approach to addressing these problems, to understand how to work in a diverse research team, and to understand how to translate their findings into action. This assessment has guided the development of this graduate proposal.
- ***Projected student interest*** - An indication of the types of graduate students we might attract is the composition of the existing student body at UC Merced. As of the start of 2014, UC Merced had 6,268 students, including 5,884 undergraduates and 384 graduate students. Approximately 39% of the students come from the Central Valley, 35% from the Los Angeles area, and 25% from the

¹³ See, for instance, the special edition of the American Journal of Preventive Medicine, The Public Health Workforce, Edited by Fátima Coronado, Denise Koo, Kristine Gebbie, November 2014, Volume 47, Issue 5 , Supplement 3, S275-S394, and Spencer H. Framing the Future: The Second 100 Years of Education for Public Health. Presented at the Teaching Prevention Workshop, Association of Schools of Public Health, 2012, Washington, DC .

greater Bay Area. These students are interested in engaging in research (UC Merced has the highest percentage of undergraduate research involvement among any of the UC campuses). In our survey of undergraduates at UC Merced, students express a particular interest in being involved with research that directly benefits the communities in the SJV, including working directly with community groups or area providers. To the extent that this is reflective of the type of graduate students who will be attracted to study Public Health at UC Merced, our prospective students are likely to want to engage in research relevant to rural, underserved communities.

The student base is a particular strength of UC Merced. A Hispanic Serving Institution (HSI), our current student population includes 60% first generation college students, with stated ethnicities that match the composition of young people across California - 45% Hispanic, 6% African American, and 25% Asian. To the extent that this reflects the type of students we are likely to attract, the indications that our current students are interested in engaging in research relevant to rural, underserved communities, and given our location in the diverse San Joaquin Valley, the highly diverse undergraduate student population, and the population of students obtaining their MPH at CSU Fresno (with whom we are coordinating our program), the proposed Public Health program will almost certainly serve to increase the population of underrepresented groups in the discipline.

At the present time, there are six graduate students enrolled to study Public Health through the Individualized Graduate Program (IGP) with an emphasis on Social Science (hereafter: Social Science Graduate Program). All students previously had a Masters or clinical degree, and professional experience relative to Public Health, and expressed interest in conducting research relevant to the communities in the San Joaquin Valley. Two of the students are Assistant Professors in nursing at a local California State University campus, one is a Director of Public Health Department in a county in the San Joaquin Valley, one is a medical doctor returning to pursue a research degree, and two are recent graduates with a Masters in Public Health from California State University, San Francisco.

- ***Attractiveness of graduates to employers/academic institutions*** - For our graduates to obtain tenure-track jobs in academia or research positions in industry, government, or non-governmental organizations, they must be able to show an active research agenda with an impressive publication record, provide evidence of their ability to communicate and teach basic concepts in Public Health, have an expertise in a particular discipline and methodology relevant to Public Health, and have the potential to achieve external funding. When developing the program, we aimed to give the students numerous opportunities to publish their work (i.e., requiring their second year thesis and qualifying paper be of publishable quality), have teaching experience (i.e., require at least two semesters of teaching assistantships), and demonstrate an expertise in their research area (i.e., by attending and presenting at international conferences). Where possible, we have attempted to minimize requirements that are not directly related to achieving these ends.

- ***Measured approach*** - The ultimate size and scope of the Public Health Ph.D. program at UC Merced will be determined by student demand, the number of new positions that can be allocated to Public Health, and the outcomes of the SAF initiative. We have taken a measured approach when proposing this new graduate program by ensuring the proposed program can be offered using only existing resources if necessary. That is, the program being proposed is a research based Ph.D. in Public Health that does not require accreditation from the Council on Education for Public Health and involves courses that can be offered with existing faculty resources. The only additional resources that are asked for are library resources, and while faculty across the university would benefit from their addition, the existing faculty has been operating without them. Thus, this proposal does not require any significant new resources.

We have also chosen to focus on an area in Public Health - Prevention Sciences - in which we currently have significant strength at UC Merced. The importance of Prevention Sciences was recognized by the Senate in 2011 when then Provost Alley approved, at the Senate's bequest, a Strategic Hire in Prevention Sciences. Then Provost Alley asked the Dean of Social Sciences, Humanities and Arts to administer the position, and the Dean then asked the Public Health faculty to lead the search for the ideal candidate and be a home for the position. The search for the candidate has now been completed; with Nancy Burke from UCSF-Fresno being offered the position (anticipated starting date of July 2015). The addition of Dr. Burke as a senior colleague will augment our existing strengths in Prevention Sciences. In addition, our consultations with regional stakeholders (e.g., Directors of the Public Health Departments in the SJV, faculty at regional CSU campuses, consultations with community organizations and providers) suggested that, in the coming years, there will be particular need for research and researchers focusing on preventing chronic and infectious diseases. Thus, our proposed focus on Prevention Sciences can be accomplished within existing resource and is an important area of research that capitalizes upon our existing strengths.

That said, we do expect the program to be successful, and thus anticipate expanding the program in the future. Although any expansion will need to be done in consultation with the Graduate Council, Senate, Dean, and Provost, we would anticipate expanding in two ways. First, we will look to expand the specializations to include additional training in two areas: Environmental Health and Health Services Research & Policy. We will look to introduce the Environmental Health program in concert with our biomedical colleagues, and to introduce a program in Health Services Research and Policy with our colleagues in Economics and Management. The timing of this introduction will depend upon the pace at which faculty lines are allocated to Public Health and these other areas.

Second, we will consider offering or participating in the offering of a MPH degree. There are several options for implementing this degree, including offering a standalone MPH program (an

option that would require us to receive accreditation) or partnering with the accredited Public Health MPH program at California State University at Fresno to offer a joint MPH-Ph.D. program (such as exists between UCSD and SDSU). These options are not part of this current proposal, but we have included them as indication of the opportunities for expansion should conditions warrant.

1.3 Timetable and Projected Enrollment

We propose to initiate our graduate program in the Fall of 2016. We have sufficient staffing and resources to offer the program, and we have a track record of successfully teaching graduate students. Based on our assessment of likely student demand (detailed below in section 3.1), we anticipate having a sufficient number of quality applicants to admit 7 students each year. With an anticipated time until degree of between four and five years, and with six students already in the program through the Social Science Ph.D. program, then the number of students is expected to reach 26 by 2020 (as shown in Table 1).

Table 1. Four-year projection for the Ph.D. in Public Health at UC Merced.

Projected Number of Graduate Students and Faculty, 2016-2020				
	<u>2016-2017</u>	<u>2017-2018</u>	<u>2018-2019</u>	<u>2019-2020</u>
# of Students entering	7	7	7	7
Number enrolled each year	13	17	21	26
Expected attrition	1	1	1	1
Degree Earned: Each year	2	2	1	2
Faculty FTE:				
• Conservative estimate	8.5	8.5	8.5	8.5
• Moderate growth estimate	16.5	17.5	18.5	19.5
Grad Student/faculty ratio:				
• Conservative estimate	1.5	2.0	2.6	3.1
• Moderate growth estimate	0.8	1.0	1.2	1.3
Projected undergraduate majors	80	120	150	180

The -graduate student to faculty ratio will depend upon the number of faculty advisors to Public Health students. There are seventeen faculty associated with Public Health graduate degree, including 6.5 FTE core members (Brown, Ramirez, Cisneros, Gonzalez, Goldman-Mellor, Wooding, and Joyce ¹⁴), 1 FTE UC ANR (Diaz Rios) located full time at UC Merced and a core faculty member in Public Health, 1 FTE Prevention Sciences position (Nancy Burke, scheduled to join UC Merced in July 2015), and 8 FTE faculty whose primary affiliation is in an area other than Public Health. Under the conservative assumption that only those faculty with the primary association in Public Health become primary supervisors for Public Health students and that no additional new faculty (other than the Prevention Sciences candidate) are hired, then there will be 8.5 FTEs available to be primary supervisors in 2016/17. Under these assumptions, the graduate student to faculty ratio will range from 1:1.5 in 2016/17 to 1:3.1 in

¹⁴ Andrea Joyce if .5 FTE in Public Health, .5 FTE Research Scientist.

2019/20 (see Table 1). However, if we assume moderate growth of faculty of 1 per year and that the faculty associated with Graduate Group are available to be primary supervisors, then the number of faculty will rise from 16.5 to 19.5, and the graduate student to faculty ratio range from 1:8 to 1:1.3. Given that we are aiming for an eventual ratio of approximately 1:3.0, under this scenario there would be scope for expanding the number of graduate students should there be sufficient student demand.

1.4 Relation of Proposed Program to Other UC Merced Programs

The University of California, Merced currently offers graduate training in Biological Engineering and Small-Scale Technologies, Cognitive and Information Sciences, Environmental Systems, Applied Mathematics, Political Science, Psychological Sciences, Sociology and Quantitative and Systems Biology. New programs currently under review include Molecular and Cell Biology, Economics, and Management. While our graduate program is independent from other graduate programs at UC Merced, it builds upon the strengths on campus in two ways. First, as fitting the field of Public Health, our program is interdisciplinary and compliments several other graduate programs on campus. For instance, the Graduate Group includes eight members from three other proposed or existing graduate groups (Psychological Sciences, Molecular and Cell Biology, and Economics). As described in our proposed course of study, we propose to promote an interdisciplinary course of study and avoid redundant course offerings by requiring our students to take the graduate level statistics courses offered by Sociology and elective courses from other disciplines.

Second, as mentioned above, our proposal is part of a larger proposed strategic theme of Human Health Sciences research and education at UC Merced submitted as part of the SAF initiative. Human health is represented across a broad range of systems from cells to society, including genes, organ systems, behavior patterns, human relationships, and environmental context. Therefore the human health sciences include scientists from a multitude of disciplines who typically collaborate in multidisciplinary teams. The Human Health Sciences proposal consolidates human health sciences research and education at UC Merced from ten proposals classified as relevant to health, including four recognized as having human health as their central focus: Psychological Sciences/Healthy Development, Public Health, HSRI, and Molecular and Cell Biology. The proposal suggests a number of steps that can be taken to establish Human Health Sciences as a pillar of excellence at UC Merced by 2020, including appointing or hiring a campus-wide leader for the development of these initiatives (e.g., Vice Chancellor for Health Sciences), develop a formal structure that would allow the graduate groups and bylaw units with an interest in human health sciences to participate in decisions regarding the growth of human health sciences, continue to develop research infrastructures that will allow efficient use of resources, including a Translational Research Center that includes survey research capabilities and a mobile community research lab to provide access to patients and providers in the region, and expand the graduate education on campus in areas relevant to Human Health Sciences. The called expansion in graduate education included having MCB introduce an interdisciplinary PhD degree focused upon: (1) Infectious Disease and Immunity; (2) Brain and Behavior, and (3) Stem Cell Biology and Regenerative Medicine, having Psychology expand PhD training focused on healthy development through synergies among Developmental, Health, and

Quantitative, and Public Health introducing an MSPH and PhD program focused on Prevention Sciences. The current proposal is thus consistent with the vision described in the Human Health Sciences SAF submission. At the current time, the SAF initiative has identified Human Health Sciences as being one of the chosen pillars of excellence at UC Merced.

1.5 Relation of Proposed Program to Other UC Programs

At present, there are two Schools of Public Health (Berkeley and Los Angeles) within the UC system, one joint Public Health program (UC San Diego and San Diego State University), and stand-alone Ph.D. programs at UC Irvine and UC Davis. A number of campuses within the California State University system offer the terminal Master of Public Health (MPH) degree (Fresno, Northridge, Long Beach State, Fullerton, San Francisco, and San Jose). There is no Ph.D. program in Public Health in the San Joaquin Valley.

The School of Public Health at UC-Berkeley offers Ph.D. degrees in Biostatistics, Environmental Health Sciences, Epidemiology, Health Services and Policy Analysis, and Infectious Diseases. The UCLA School of Public Health offers Ph.D. degrees in Biostatistics, Community Health Sciences, Environmental Health Sciences, Epidemiology, and Health Services. The Public Health program of UC-San Diego offers Ph.D. in Public Health with possible concentrations in global health, health behavior, and epidemiology. UCSF is in the process of introducing a Ph.D. in Global Health Sciences. UC Davis offers Ph.D. degrees in Epidemiology, Biostatistics, and Pharmacology & Toxicology, each administered by a different graduate group composed of members of various academic units. In addition, UC Davis has recently proposed a Ph.D. in Public Health Sciences. UC Irvine offers a Ph.D. in Global Health and Disease Prevention.

Our program shares characteristics with the programs at the other UC campuses. All campuses offer the type of academic Ph.D. that we are proposing. All programs offer training in Prevention Sciences (or equivalent), provide training in community based participatory research (CBPR), and promote dissemination and implementation of the results (translational research). UC Irvine's program focuses on admitting and training a small number of students in interdisciplinary and participatory research, with an emphasis on hypothesis-driven research to identify successful strategies for reducing the burden of chronic and infectious diseases in vulnerable populations. As with the UCSD/SDSU joint program, we have many collaborations with CSU Fresno, and we will seek to establish close ties with other CSU campuses. Our program shares some similarities to the proposed program from UC Davis in Public Health Sciences, with both programs emphasizing the importance of dissemination and implementation research, and looking to provide culturally relevant training to Ph.D. students.

The fact that our program is similar in some respects to the programs offered at other UC campuses is a sign that we are proposing a concentration (Prevention Sciences) that other campuses see as appropriate for Ph.D. programs in Public Health. What distinguishes our program is that we will utilize the strengths of our campus (opportunities for transdisciplinary research, diverse faculty with experience working with

rural, vulnerable groups), existing expertise and resources on campus regarding translational and participatory research (HSRI, Blum Center, and ReCESS), and a natural laboratory in which to conduct research (SJV) to offer students more targeted and focused training in conducting research with rural, ethnically diverse, underserved communities than is available elsewhere in the UC system. As described below in our course of study, our proposed program emphasizes translational research and community based participatory research, including training students to work with diverse populations in underserved communities, to address relevant public health challenges. Moreover, students will be actively encouraged to work in transdisciplinary research teams composed of our diverse faculty and other stakeholders in order to maximize the translational potential of their research projects. While these opportunities are present at other UC campuses, they are the center piece of our program and thus will attract students who are looking for this type of experience and training.

Given our proposed emphasis, we expect to attract students who either live and work in the region, are completing degrees (either undergraduate or MPH) at a local CSU campus, or have a particular interest in conducting research relevant to rural, underserved, ethnically diverse communities. While other campuses offer training relevant to these types of students, based on the initial interest in our graduate program (i.e., current graduate students and the recent applicants), we expect that many of the students we attract would not have chosen to pursue a Ph.D. at one of the other campuses. Thus, we expect our program to compliment rather than compete with programs offered at other UC campuses. Our ability to bring students into the program who may not have pursued a Ph.D. elsewhere will also contribute to the diversification of the public health workforce by producing Ph.D. graduates who come from the very communities suffering the worst health disparities. We see this as an important strength of the proposed program and an important contribution to improving health outcomes in the region and elsewhere.

While the students associated with our proposed Ph.D. program will be encouraged to engage in research on health issues facing rural, vulnerable, ethnically diverse populations, achieving widespread change will require engaging students and researchers with areas of expertise not emphasized in our program. Our faculty and students will look to actively collaborate with faculty and students from other UC campuses interested in conducting research that addresses the health issues of the rural, vulnerable, ethnically diverse populations such that exist in the SJV. While researchers from other UC campuses have had notable successes in conducting important Public Health research in the region, the formation of a Public Health Graduate program at UC Merced will provide additional opportunities for researchers and students at other campuses to engage in collaborative research endeavors in the region.

1.6 Program Administration

The UCM Graduate Council oversees all graduate programs on campus. It will be asked to review this proposal and provide a letter of support. The Public Health Graduate Group Bylaws (see Appendix B) establish program oversight and resource allocation by an academic Dean. The Dean of the School of Social Sciences, Humanities, and Arts (Mark Aldenderfer) will serve this role. The admissions process and academic oversight is provided by UCM Graduate Division (headed by the Dean of

Graduate Studies, Marjorie Zatz), with administrative assistance provided by her staff.

Mitch Ylarregui is the Graduate Group Coordinator and Regan Pope is the Assistant Coordinator for the School of Social Sciences, Humanities and Arts. These staff members will help the Public Health graduate program with graduate student record keeping, as well as with paperwork related to Research and Teaching Assistants, fellowships, and recruitment.

Issues pertaining to Public Health Graduate Group membership and day-to-day program administration are described in the bylaws (Appendix B). Elections for Graduate Group Chair and Graduate Studies Committee members will occur once the proposed program is approved; and other committees will be formed subsequently following the bylaws. The Public Health Graduate Group faculty will meet at least twice per year, and more frequently on an as-needed basis. The Graduate Studies Committee will meet in January to evaluate applications to our graduate program and in May and December, and more frequently if needed, to formally evaluate graduate student progress in the program.

1.7 Program Assessment Plan and Learning Outcomes

Upon completion of the Public Health Ph.D., graduate students will be able to demonstrate a mastery of each of these Program Learning Outcomes (PLOs):

1. **Breadth** - Demonstrate knowledge of the discipline of Public Health
 - Students will be able to demonstrate a comprehensive understanding of Public Health, including phenomena at the biological, psychological, and social levels.
2. **Depth** - Expertise in a specific scientific domain
 - Students will be able to apply their expertise in a specific subfield of Public Health and identify novel research questions within the context of current research.
3. **Methods** - Competency with mixed methods approaches to conducting rigorous research on public health phenomena.
 - Students will be able to design a study drawing upon mixed method approaches and complete a study using a methodology appropriate to their research area.
4. **Communication** - Effective scientific communication skills, especially the ability to convey complex concepts and information in a clear and concise manner.
 - Students will be able to communicate their knowledge of contemporary social science methods to diverse audiences.
5. **Transdisciplinary research** - Understanding of transdisciplinary approaches to addressing public health challenges
 - Students will be able to demonstrate an understanding of using transdisciplinary approaches to address a pertinent public health challenge
6. **Translational research** - Competency in translational research
 - Students will have an understanding of the principles of translational research methods and demonstrate an ability to integrate translational research methods into their independent research as appropriate

7. **Independent research** - The ability to initiate and conduct independent research that makes an original contribution to Public Health knowledge.
 - Students will produce research of a quality that can be published in a peer-reviewed outlet.
8. **Professionalism** - Proficiency in the skills needed to participate in the intellectual and organizational aspects of the profession of Public Health.
 - Students will become active members of the professional public health community, including attending and participating in conferences and other appropriate venues.

The Public Health Graduate Curriculum Committee will oversee the collection and analysis of program assessment data, including a Program review every 7 years and a yearly self-assessment process. UC Merced policy regarding the periodic review of graduate programs is described in the document entitled Graduate Academic Program Review Policy and Procedures (May 2013).¹⁵ The Public Health Graduate program review will follow those procedures and timeline, with data for WASC assessment being collected each year to assess our progress with achieving the PLOs. The PLOs were designed with the goal of placing our Ph.D.s in post-doctoral and tenure-track positions in competitive research universities and public health research positions in government and non-governmental organizations.

Assessment data will be gathered for each of the six different PLOs. Once the graduate group is approved, these PLOs will be maintained for review and feedback on the Public Health website, in the UC Merced catalog, and also will be disseminated annually to incoming students at the Fall Orientation session. To enable these PLOs, our training program emphasizes both breadth and depth in Public Health. Table 2 provides a summary of the data to be used to assess progress towards and achievement of the PLOs. We plan to analyze data from three points during a student's graduate career in order to determine at what point problems may be occurring. Benchmark goals for program progress are displayed; however, as evidence becomes available in larger sample sizes and baselines of student performance emerge, we may adjust these benchmark goals.

The Graduate Curriculum Committee is responsible for implementing the program's assessment plan. The findings will be discussed by all Graduate Group faculty members. Depending on the results of assessment, the Graduate Group will modify and refine the structure and content of graduate training to ensure achievement of the Program Learning Outcomes. All data will be collected via scored rubrics, group interview reports, teaching evaluation summaries, and annual progress reviews gathered between review periods. Due to the limited amount and types of data that will be available in the early years of the program, we expect the lines of evidence used for assessment to change slightly over time. Specifically, with regard to PLOs 1 and 4 we will use Qualifying Examination data and First Year Examination data as early assessment tools. We will transition to using Dissertation Proposal and Dissertation Data once these

¹⁵ http://senate.ucmerced.edu/sites/senate.ucmerced.edu/files/public/Graduate%20Program%20Review_Policy_Approved_5.09.14.pdf.

Table 2. Lines of Evidence for Assessing Public Health Ph.D. Program Learning Outcomes

Program Learning Outcome	Lines of Evidence		Program Goals Timeline	Performance Targets / Expectations (for Direct Evidence)
	Direct	Indirect		
1. Breadth Knowledge in Public Health	<ul style="list-style-type: none"> a. Second year thesis b. Qualifying Exam c. Doctoral Dissertation Proposal d. Doctoral Dissertation 	<ul style="list-style-type: none"> a. Annual progress review b. Group interview. c. Teaching assistantship 	Data analyzed in 2016-17	<ul style="list-style-type: none"> a. 90% of students pass the Second Year thesis b. 85% of students pass the Qualifying Exam c. 100% of students pass the Doctoral Dissertation Proposal & Defense d. 100% of students Doctoral Dissertation e. Average "overall effectiveness of teaching" evaluations of 5 or higher
2. Depth Knowledge in a specific Public Health area	<ul style="list-style-type: none"> a. Second year thesis b. Qualifying Exam c. Doctoral Dissertation Proposal d. Doctoral Dissertation 	<ul style="list-style-type: none"> a. Annual progress review b. Group interview c. Teaching assistantship 	Data analyzed in 2017-18	<ul style="list-style-type: none"> a. 90% of students pass the Second Year thesis b. 85% of students pass the Qualifying Exam c. 100% of students pass the Doctoral Dissertation Proposal & Defense d. 100% of students Doctoral Dissertation e. Average "overall effectiveness of teaching" evaluations of 5 or higher
3. Methods	<ul style="list-style-type: none"> a. Second year thesis b. Qualifying Exam c. Doctoral Dissertation Proposal d. Doctoral Dissertation 	<ul style="list-style-type: none"> a. Annual progress review b. Group interview 	Data analyzed in 2018-19	<ul style="list-style-type: none"> a. 90% of students pass the Second Year thesis b. 85% of students pass the Qualifying Exam c. 100% of students pass the Doctoral Dissertation Proposal & Defense d. 100% of students Doctoral

4. Communication	<ul style="list-style-type: none"> a. Second year thesis b. Qualifying Exam c. Doctoral Dissertation Proposal d. Doctoral Dissertation 	<ul style="list-style-type: none"> a. Annual progress review b. Group interview c. TA evaluations 	Data analyzed in 2015-16	<p>Dissertation</p> <ul style="list-style-type: none"> a. 90% of students pass the Second Year thesis b. 85% of students pass the Qualifying Exam c. 100% of students pass the Doctoral Dissertation Proposal & Defense d. 100% of students Doctoral Dissertation e. Average "overall effectiveness of teaching" evaluations of 5 or higher
5. Transdisciplinary research	<ul style="list-style-type: none"> a. Second year thesis b. Qualifying Exam c. Doctoral Dissertation Proposal d. Doctoral Dissertation 	<ul style="list-style-type: none"> a. Annual progress review b. Group interview 	Data analyzed in 2016-17	<ul style="list-style-type: none"> a. 90% of students pass the Second Year thesis b. 85% of students pass the Qualifying Exam c. 100% of students pass the Doctoral Dissertation Proposal & Defense d. 100% of students Doctoral Dissertation
6. Translational research	<ul style="list-style-type: none"> a. Second year thesis b. Qualifying Exam c. Doctoral Dissertation Proposal d. Doctoral Dissertation 	<ul style="list-style-type: none"> a. Annual progress review b. Group interview 	Data analyzed in 2015-16	<ul style="list-style-type: none"> a. 90% of students pass the Second Year thesis b. 85% of students pass the Qualifying Exam c. 100% of students pass the Doctoral Dissertation Proposal & Defense d. 100% of students Doctoral Dissertation
7. Independent Research	<ul style="list-style-type: none"> a. Second year thesis b. Qualifying Exam c. Doctoral Dissertation Proposal d. Doctoral Dissertation 	<ul style="list-style-type: none"> a. Annual progress review b. Group interview 	Data analyzed in 2019-20	<ul style="list-style-type: none"> a. 90% of students pass the Second Year thesis b. 85% of students pass the Qualifying Exam c. 100% of students pass the Doctoral Dissertation Proposal &

8. Professionalism

- a. Teaching assistantships
- b. Presentations at Public Health conferences

- a. Annual progress review
- b. Group interview
- c. TA evaluations

Data analyzed in 2018-19

Defense

- d. 100% of students Doctoral Dissertation
- b. Average "overall effectiveness of teaching" evaluations of 5 or higher
- b. Presentation of poster and/or paper at minimum 1 conference per year

Table 3. Ph.D. Curricular Map

Course number and title	<i>Breadth</i>	<i>Depth</i>	<i>Methods</i>	<i>Communication</i>	<i>Transdisciplinary research</i>	<i>Translational Research</i>	<i>Independent Research</i>	<i>Professionalism</i>
Required Courses								
• PH 201: Foundations of Public Health	I/D/M	I	I	I	I/D/M	I/D	I	I
• PH 202: Epidemiology	I/D/M	M	M				D/M	
• PH 203: Research methods in Public Health	I/D/M		D/M		D/M	D/M	D	
• Soc 210: Statistics 1: Linear Regression Analysis*			D/M				D/M	
• Soc 211: Statistics 2: Categorical Regression*			D/M				D/M	
• PH 208a: Professional seminar	I/D/M			D/M	I	I		I/D/M
• PH 208b: Professional seminar	I/D/M			D/M	I/D/M	I/D/M		I/D/M
Discipline Req. (1 course)								
• PH 204: Environmental Health		D/M	D	D/M	D/M	D/M	D/M	D
• PH 205: Health Services Research & Policy		D/M	D	D/M	D/M	D/M	D/M	D
• PH 206: Health Communication		D/M	D	D/M	D/M	D/M	D/M	D
• PH 207: Social and Behavioral Theory in Public Health		D/M	D	D/M	D/M	D/M	D/M	D
Advanced Methods Req. (1 course)								
• PH 223 Qualitative Research Methods for Public Health			D/M	D/M	D/M	D/M	D/M	D/M
• PH 224 Environmental Epidemiology			D/M	D/M			D/M	D/M

	<i>Breadth</i>	<i>Depth</i>	<i>Methods</i>	<i>Communication</i>	<i>Transdisciplinary research</i>	<i>Translational Research</i>	<i>Independent Research</i>	<i>Professionalism</i>
• PH 225 Advanced Quantitative Methods			D/M	D/M			D/M	D/M
Elective courses								
• PH 204: Environmental Health		D/M	D	D/M	D/M	D/M	D/M	D
• PH 205: Health Services Research & Policy		D/M	D	D/M	D/M	D/M	D/M	D
• PH 206: Health Communication		D/M	D	D/M	D/M	D/M	D/M	D
• PH 207: Social and Behavioral Theory in Public Health		D/M	D	D/M	D/M	D/M	D/M	D
• PH 221: Social Epidemiology & Health Disparities		D/M	D		D/M	D/M	D/M	
• PH 222: Program Design & Evaluation			D/M	D/M	D/M	D/M	D/M	D/M
• PH 223 Qualitative Research Methods for Public Health			D/M	D/M	D/M	D/M	D/M	D/M
• PH 224 Environmental Epidemiology			D/M	D/M			D/M	D/M
• PH 225 Advanced Quantitative Methods			D/M	D/M			D/M	D/M
• PH 235 Pesticides, Health, and the Environment		D/M	D	D/M			D/M	
• PH 236 Vector Ecology for Public Health		D/M	D	D/M			D/M	
• PH 241 Public Health Genetics		D/M	D	D/M			D/M	

	<i>Breadth</i>	<i>Depth</i>	<i>Methods</i>	<i>Communication</i>	<i>Transdisciplinary research</i>	<i>Translational Research</i>	<i>Independent Research</i>	<i>Professionalism</i>
• ES 234: Air Pollution and Resources		D/M	D/M					
• PSY 202C: Multivariate Analysis			D/M	D/M			D/M	
• PSY 208A: Methods for Program Evaluation			D/M	D/M			D/M	
• PSY 208B: Theory of Program Evaluation			D/M	D/M			D/M	
• PSY 206: Quantitative Methods for Reviewing Research			D/M	D/M			D/M	
• PSY 220: Health Psychology		D/M	D/M	D/M		D/M		
• PSY 230: Developmental Psychology		D/M	D/M	D/M		D/M		
• PSY 224: Health Disparities		D/M	D/M	D/M	D/M	D/M		
• PSY 225: Health Risk Decision Making		D/M	D/M	D/M		D/M		
• PSY 280: Human Behavioral Genetics		D/M	D/M	D/M		D/M		
• Soc 230. Stratification		D/M	D/M	D/M				
• Soc 245. Sociology of Health		D/M	D/M	D/M	D/M			
Second year thesis	D/M	D/M	D/M	D/M	D/M	D/M	D/M	I/D
Qualifying exam	D/M	D/M	D/M	D/M	D/M	D/M	D/M	
Teaching assistantship	D/M	D/M		D/M				D/M
Doctoral dissertation proposal & defense	D/M	D/M	D/M	D/M	D/M	D/M	D/M	D/M
Doctoral dissertation research	D/M	D/M	D/M	D/M	D/M	D/M	D/M	D/M

Table 4. MSPH Curricular Map

Course number and title	<i>Breadth</i>	<i>Depth</i>	<i>Methods</i>	<i>Communication</i>	<i>Transdisciplinary research</i>	<i>Translational Research</i>	<i>Independent Research</i>	<i>Professionalism</i>
Required Courses								
• PH 201: Foundations of Public Health	I/D/M	I	I	I	I/D/M	I/D	I	I
• PH 202: Epidemiology	I/D/M	M	M				D/M	
• PH 203: Research methods in Public Health	I/D/M		D/M		D/M	D/M	D	
• Soc 210: Statistics 1: Linear Regression Analysis*			D/M				D/M	
• Soc 211: Statistics 2: Categorical Regression*			D/M				D/M	
• PH 208a: Professional seminar	I/D/M			D/M	I	I		I/D/M
• PH 208b: Professional seminar	I/D/M			D/M	I/D/M	I/D/M		I/D/M
Discipline Req. (1 course)								
• PH 204: Environmental Health		D/M	D	D/M	D/M	D/M	D/M	D
• PH 205: Health Services Research & Policy		D/M	D	D/M	D/M	D/M	D/M	D
• PH 206: Health Communication		D/M	D	D/M	D/M	D/M	D/M	D
• PH 207: Social and Behavioral Theory in Public Health		D/M	D	D/M	D/M	D/M	D/M	D
Advanced Methods Req. (1 course)								
• PH 223 Qualitative Research Methods for Public Health			D/M	D/M	D/M	D/M	D/M	D/M
• PH 224 Environmental Epidemiology			D/M	D/M			D/M	D/M

	<i>Breadth</i>	<i>Depth</i>	<i>Methods</i>	<i>Communication</i>	<i>Transdisciplinary research</i>	<i>Translational Research</i>	<i>Independent Research</i>	<i>Professionalism</i>
• PH 225 Advanced Quantitative Methods			D/M	D/M			D/M	D/M
Elective courses								
• PH 204: Environmental Health		D/M	D	D/M	D/M	D/M	D/M	D
• PH 205: Health Services Research & Policy		D/M	D	D/M	D/M	D/M	D/M	D
• PH 206: Health Communication		D/M	D	D/M	D/M	D/M	D/M	D
• PH 207: Social and Behavioral Theory in Public Health		D/M	D	D/M	D/M	D/M	D/M	D
• PH 221: Social Epidemiology & Health Disparities		D/M	D		D/M	D/M	D/M	
• PH 222: Program Design & Evaluation			D/M	D/M	D/M	D/M	D/M	D/M
• PH 223 Qualitative Research Methods for Public Health			D/M	D/M	D/M	D/M	D/M	D/M
• PH 224 Environmental Epidemiology			D/M	D/M			D/M	D/M
• PH 225 Advanced Quantitative Methods			D/M	D/M			D/M	D/M
• PH 235 Pesticides, Health, and the Environment		D/M	D	D/M			D/M	
• PH 236 Vector Ecology for Public Health		D/M	D	D/M			D/M	
• PH 241 Public Health Genetics		D/M	D	D/M			D/M	

	<i>Breadth</i>	<i>Depth</i>	<i>Methods</i>	<i>Communication</i>	<i>Transdisciplinary research</i>	<i>Translational Research</i>	<i>Independent Research</i>	<i>Professionalism</i>
• ES 234: Air Pollution and Resources		D/M	D/M					
• PSY 202C: Multivariate Analysis			D/M	D/M			D/M	
• PSY 208A: Methods for Program Evaluation			D/M	D/M			D/M	
• PSY 208B: Theory of Program Evaluation			D/M	D/M			D/M	
• PSY 206: Quantitative Methods for Reviewing Research			D/M	D/M			D/M	
• PSY 220: Health Psychology		D/M	D/M	D/M		D/M		
• PSY 230: Developmental Psychology		D/M	D/M	D/M		D/M		
• PSY 224: Health Disparities		D/M	D/M	D/M	D/M	D/M		
• PSY 225: Health Risk Decision Making		D/M	D/M	D/M		D/M		
• PSY 280: Human Behavioral Genetics		D/M	D/M	D/M		D/M		
• Soc 230. Stratification		D/M	D/M	D/M				
• Soc 245. Sociology of Health		D/M	D/M	D/M	D/M			
Second year thesis	D/M	D/M	D/M	D/M	D/M	D/M	D/M	I/D

become available. Additionally, as the program graduates students, we plan to add data from the Graduating Student Survey and the Graduate Alumni Survey for assessing all six PLOs.

The following Curricular Maps (Tables 3 and 4) connect PLOs to required coursework and additional requirements of the program. In these maps, the level of understanding and skill acquisition is indicated as: I=Introductory, D=Developing, and M=Mastery. Where a range is given higher levels of achievement are expected from more advanced students.

Section 2: Program

Training provided by our faculty will produce high quality public health scientists who a) value interdisciplinary research; b) understand public health phenomena at biological, psychological, and social levels; c) are able to conduct research using laboratory experimentation, field research techniques, secondary data analyses, and/or theoretical analysis; and d) are proficient with public health issues and applications, particularly as they pertain to the prevention of chronic and infectious disease in vulnerable populations. Expertise is developed through a systematic study of public health theory, current methodologies and substantive courses designed to facilitate the advancement of our science. Students will acquire the requisite depth of understanding and the practical skills required to advance the frontier in Public Health. Student mastery is assessed through course performance, a research thesis to be completed by the end of their second year, a qualifying exam, a doctoral dissertation proposal, and ultimately by the dissertation research and defense.

The proposed program leads to the degree of Doctor of Philosophy in Public Health. Ph.D. students will have the option to obtain a Master of Science in Public Health (MSPH) degree, either en route to a Ph.D. (non-terminal) or in lieu of a Ph.D. degree (terminal) if a student exits the graduate program prior to fulfilling the Ph.D. requirements. A stand-alone Master's Degree program is not proposed at this time. The program emphasizes in-depth research involvement and close mentoring by faculty.

2.1 Undergraduate Preparation for Admission

All students seeking admission to the Public Health Graduate program must make a formal application for admission. Applicants will use an online application to streamline the process. Applications are reviewed by the Graduate Studies Committee, upon consultation with the Graduate Faculty, which makes recommendations on admission to the Graduate Group Chair (see Appendix B). The Dean of Graduate Studies makes final decisions on admission. The deadline for receipt of applications is January 15 for enrollment in Fall semester. Enrollment in other semesters will not be typical, but may be considered on an individual basis. Materials to be submitted include:

- Official application form
- Application fee
- Official transcripts from all prior university or college attendance
- An official Graduate Record Exam (GRE) score report (only the general tests are required)

- A statement of research interests and career goals
- Three letters of recommendation from instructors or supervisors who can comment on the applicant's scholarly ability and promise as a researcher (letters from faculty are preferred)
- Official score reports from the Test of English as a Foreign Language (TOEFL), if the applicant's native language or language of instruction is other than English. The Test of Spoken English (TSE) is recommended (not required) for admission, but is required for such applicants who wish to be considered for teaching assistantship (TA) positions.

The minimum requirement for graduate admission to UCM is a bachelor's degree with grade point average of 3.2 or greater on a 4.0 scale. Performance on the GRE, distribution of undergraduate grades, accomplishments in undergraduate research, and letters of recommendation will also be evaluated as important determinants of an applicant's potential for success in graduate education. Students with undergraduate degrees in Public Health normally have a background that is well suited to the graduate study in Public Health; however, applicants with other degrees (e.g., nursing, medicine, psychology, economics, sociology, and human biology) are strongly encouraged to apply. When deciding on whether to admit a student, the Admissions Committee will weigh performance on the GRE, undergraduate institution and grades, undergraduate research, willingness of faculty to serve as Faculty Advisors, and letters of recommendation, but will not apply a strict numeric formula to determine entry.

2.2 Foreign Language

Ability in a foreign language is not required for the Public Health program, although fluency in another language (such as Spanish or Hmong) will be encouraged.

2.3 Program of Study

In general, students seeking a Ph.D. degree in Public Health must satisfy all of the requirements for a Ph.D. degree specified by the Graduate Division of the University of California, Merced. These include residency requirements and scholarship requirements, including a minimum grade-point average (GPA). These requirements are described in detail in the *Graduate Advisors Handbook*, available from the Graduate Division. In addition to these general requirements, students must satisfy a range of program-specific requirements in order to be awarded a Ph.D. in Public Health. Students must complete a program of coursework, a research thesis by the end of their second year, a qualifying exam, a doctoral dissertation proposal and defense, and a dissertation research and defense that contributes to knowledge in the field. It is also expected that graduate students will contribute to and generate additional research and add to the intellectual and organizational life of the department through service work, teaching, and exchange with graduate student colleagues.

2.3.1 Organization of student supervision

The organization of the student's supervision will be as follows: It is expected that the student will communicate with at least one member of the Graduate Group prior to the Admissions Committee deciding to offer admissions to the program. Prior to the admissions decisions, the Graduate Group chair

will ensure that all prospective students indicate one or more Graduate Group faculty members to serve as their Faculty Advisor during the first two years. Prior to the meeting of the Admissions Committee, the Graduate Group Chair must confirm that one or more Graduate Group faculty is willing to serve as the student's Faculty Advisor. The Graduate Group Chair will then assign each student a Faculty Advisor and inform the student. If no faculty member is willing to serve as the Faculty Advisor for the student, then it is expected that the student will not be offered admission. Students must meet all other requirements before being admitted to the program.

Once assigned to be a student's Faculty Advisor, the Faculty Advisor is expected to:

- Offer guidance in course selection,
- Assist the student in developing a research project that will serve as the basis of the Second Year Thesis,
- Augment the student's depth of knowledge in a specific discipline within Public Health through the student's involvement in the research process and other readings/training as deemed necessary with the student's Faculty Advisory Committee,
- Chair the student's Faculty Advisory Committee,
- Formally evaluates the student's progress in the program on an annual basis (see Section 2.8.1); and
- Provide other mentorship and guidance necessary regarding teaching, research, and professional conduct.

A graduate student must have a recognized Faculty Advisor at all times. The initial Faculty Advisor is expected to serve as the student's faculty advisor until the beginning of the third year. At the beginning of the third year, in consultation with the faculty and the student, the Graduate Group Chair will assign each student a Faculty Advisor. The Faculty Advisor must be a member of Public Health Graduate Group of the UC Merced School of Social Sciences, Humanities and Arts.

A student's Faculty Advisor may be changed provided that a valid reason is provided and approved by the Graduate Group Chair. When a student decides a change in Faculty Advisor is in his/her best interest, he/she must obtain a clear commitment by the new Faculty Advisor to take on this responsibility. The student needs to inform the former Faculty Advisor and the Graduate Group Chair of this change. Examples of valid reasons include personality conflict, changes in research, and the resignation of the Faculty Advisor from the Graduate Group. If a student requests to change Faculty Advisors, the Chair of the Graduate Group will seek to ensure a smooth transition that takes into account the needs of both the student and the faculty involved.

The student is to form a Faculty Advisory Committee by the end of the first year that includes the Faculty Advisor and two other members of the Public Health Graduate Group. The Faculty Advisory Committee will guide the student through the first two years of the program, including the completion of the Second Year Thesis. At the beginning of the third year, the student will form a Candidacy Committee to help guide

the student through the completion of the Qualifying Examination. Membership in the Candidacy Committee may or may not be the same as the Faculty Advisory Committee that assisted the student through the first two years. Upon the successful completion of the Qualifying Exam, it is expected that the Candidacy Committee (CC) will become the student's Faculty Advisory Committee for the Dissertation preparation phase. Upon successfully defending the Dissertation Proposal, it is expected that the Faculty Advisory Committee will become the student's Dissertation Committee (DC). The student may change membership of these committees at any time after consultation with the Faculty Advisor and with approval of the Graduate Group Chair.

2.3.2 *Specific field of emphasis: Prevention Sciences*

We will initially offer a single area of specialization: Prevention Sciences. A number of our faculty (Brown, Cameron, Gilger, Goldman-Mellor, Gonzalez, Ramirez, Schnier, Song, Wallander, Diaz-Rios, and Weibe) have an expertise and proven track record of grant funding and publications in Prevention Sciences, with the other faculty having an expertise in the biological and environmental aspect of public health that are pertinent to Prevention Sciences (Barlow, Cisneros, Joyce, Ojcius, and Wooding). In addition, a number of faculty have an expertise in transdisciplinary research addressing health disparities among vulnerable populations through community-based participatory research (Song, Ramirez, Gonzalez, Dias-Rios) and in translating research to policy makers and healthcare providers (Brown, Cameron, Wallander, Weibe, Ramirez, Diaz-Rios and Gonzalez). These researchers and the existing research entities on campus (i.e., HSRI, Blum Center, and ReCESS) will facilitate the process by which students develop CBPR projects with the diverse ethnic minority populations in the SJV, including Hmong, Laotian, Punjabi, Native American, and Indigenous Mexican communities (such as the Oaxacan community).

Our program will emphasize the use of mixed methods and transdisciplinary approaches to addressing the prevention of chronic or infectious disease in rural, underserved, and ethnically diverse communities. Mixed methods research has been defined as a research approach or methodology that: ¹⁶

- focuses on research questions that call for real-life contextual understandings, multi-level perspectives, and cultural influences;
- employs rigorous quantitative research assessing magnitude and frequency of constructs and rigorous qualitative research exploring the meaning and understanding of constructs;
- utilizes multiple methods (e.g., intervention trials and in-depth interviews);
- integrates or combines these methods to draw on the strengths of each; and
- frames the investigation within a philosophical and theoretical position

Transdisciplinary research (or 'team science') is a collaborative approach to conducting research that

¹⁶Johnson, R. B., Onwuegbuzie, A. J., & Turner, L. A. (2007). Toward a definition of mixed methods research. *Journal of Mixed Methods Research*, 1(2), 112-133.

involves having researchers from different fields of expertise to address public health challenges. As opposed to single-investigator driven approaches, transdisciplinary research seeks to coordinate teams of investigators with diverse skills and knowledge to study complex social problems with multiple causes. This teamwork becomes interdisciplinary when there is a link, blend, and synthesis between separate approaches, and becomes transdisciplinary when (1) there are new conceptual and methodological frameworks and (2) stakeholders from multiple sectors of society participate in solving "real-world" problems.¹⁷

Transdisciplinary research is valid for all research endeavors, and all students will benefit from understanding the principles of team and translational science using mixed methods approaches, and how they are applied to address public health challenges. However, we recognize that it might be difficult to apply transdisciplinary approaches to some research questions. The extent to which these approaches are ultimately integrated into the student's dissertation research will be determined by the student, the Faculty Advisor, and the Faculty Advisory Committee.

We will provide training in transdisciplinary research and mixed methods as it applies to the prevention of chronic and infectious diseases through three aspects of their course of study. First, all students will be required to take a series of courses aimed at providing the breadth of the knowledge of the field of Public Health and Prevention Sciences (PH 201 Foundations of Public Health and PH 208a and PH 208b Professionalization Seminar). These courses will focus on providing an overview of the core disciplines within Public Health, the underlying determinants of infectious and chronic diseases (particularly among vulnerable populations in rural, underserved areas), and successful approaches for working with these diverse communities, including approaches that involve healthcare providers and governmental organizations. We will achieve this in part through the presentation of material (PH 201) and in part through exposure to researchers from a variety of disciplines and approaches (PH 208a and 208b). By focusing on the contexts in which public health challenges arise, our curriculum will challenge students in various ways to engage with both the complexity of the social and cultural determinants of health, as well as the potential of multilevel approaches to prevention and treatment.

Second, we will train students in mixed methods and translational approaches to addressing health disparities and evaluating the effectiveness of existing approaches to prevent infectious and chronic diseases. Mixed methods approaches are increasingly recognized as crucial to the study of health disparities. The students will be exposed to the range of mixed methods used in Public Health and their use in addressing chronic and infectious disease, including epidemiology (PH 202), quantitative analysis (SOC 210 and SOC 211) and qualitative analysis and the theory underlying mixed methods approaches (PH 202 Research Methods).

¹⁷ Julie Thompson Klein, Ph.D. Interdisciplinary Research and Team Science. Accessed on November 30, 2014 from <https://www.teamsciencetoolkit.cancer.gov/Public/ExpertBlog.aspx?tid=4>

Third, the course of study will emphasize the science of implementation and dissemination of research, emphasizing how to link theory to lifestyle changes, improvements in practice, and responsive public policies. These principles will be infused throughout their course of study, but will initially be emphasized in the Professionalization Seminar and Research Methods. Faculty will draw upon contemporary policy issues to model various approaches to translation and dissemination. Case studies will be developed from their own research experiences, as well as from the current public health literature, which will expose students to successful and unsuccessful dissemination strategies and challenge them to elaborate alternative approaches. Such a problem-based approach will provide students with the tools necessary to successfully negotiate research translation and dissemination in a variety of institutional and policy contexts. Furthermore, students will be required to incorporate principles of translational research into their 2nd Year Thesis and their dissertation research.

While mixed methods approaches are appropriate for addressing many Public Health problems, students are expected to gain a mastery of at least one type of analysis and to demonstrate this mastery in their dissertation research. To ensure that they have adequate preparation in a specific methodology, students will be required to take an advance methods course in a specific area. Given the type of research that students are likely to be engaged with during their dissertation, students will be required to take one of the following courses to fulfill their Advanced Methods requirement:

- PH 223: Qualitative Research Methods for Public Health (4 units)
- PH 224: Environmental Epidemiology (4 units)
- PH 225: Advanced Quantitative Methods (4 units)

Students will be encouraged to take other methods classes as electives, but at a minimum this will ensure they have the skills they need to progress to the dissertation phase of their course of study.

The third aspect of the training we will provide students is the depth of knowledge in a particular area of Public Health. While the overall focus is on transdisciplinary approaches to the prevention of chronic and infectious diseases, students are expected to have a particular emphasis within this area. The area will be influenced to a large degree by the expertise of their Faculty Advisor and Faculty Advisory Committee.

Based on the existing expertise of faculty associated with the Graduate Group, it is expected that these areas will roughly coincide with one of 4 areas:

- PH 204: Environmental Health (4 units)
- PH 205: Health Services Research and Policy (4 units)
- PH 206: Health Communication (4 units)
- PH 207: Social and Behavioral Theory in Public Health (4 units)

These courses will provide students with the theoretic foundation to pursue research relevant to prevention sciences from a specific perspective. Environmental Health (PH 204) will provide students with an understanding of the interaction between people and the environment, including how to recognize, assess and control the impacts of the environment on people and how best to gauge the impacts of the

environment on chronic and infectious diseases. Health Services Research and Policy (PH 205) will provide theories of access to health services, the impact of the structure and financing of health services on the health system, and how to work with policy and other decision makers to ensure research is translated into action. Health Communication (PH 206) will provide students with the theoretic foundations underlying the communication and promotion of health behaviors, particularly protective behaviors for vulnerable populations. Finally, Social and Behavioral Theory in Public Health (PH 207) will review theories and approaches to designing health interventions, with particular attention paid to the design and implementation of effective interventions and programs aimed at preventing chronic and infectious disease.

Students will be guided in the choice of courses in consultation with their Faculty Advisor and Faculty Advisory Committee. The goal will be to help the students select courses that will be relevant to his or her primary research area, but will be diverse enough to provide a transdisciplinary perspective on the theoretic perspective that they are taking. Thus, while there are a large number of potentially relevant electives that the student might take to augment their studies, there are likely to be some that are particularly relevant. For instance, a student focusing on health communication would be expected to take Health Communications (PH 206) as the Discipline requirement and related courses as electives such as Health Psychology (PSY 221), Social and Behavioral Theory in Public Health (PH 207), and the Sociology of Health (SOC 230). A student interested in health disparities might take Social and Behavioral Theory in Public Health (PH 207) as the Discipline requirement, Qualitative Research Methods in Health (PH 223) or Advanced Quantitative Methods (PH 225) as the Advanced Methods, and elective courses such as Health Disparities (PSY 224), Stratification (SOC 230), and Social Epidemiology (PH 221). Students interested in evaluating the effectiveness of health services might take Health Services Research and Policy (PH 205) as the Discipline course, Advanced Quantitative Methods (PH 224) as the Advance Methods requirement, and electives that might include Program Evaluation and Design (PH 222), Methods for Program Evaluation (PSY 208a), and Theory of Program Evaluation (PSY 208b). Students interested in pursuing research examining the interaction between the environment and health might take Environmental Health (PH 204) as the Discipline course, Environmental Epidemiology (PH 223) as the Advanced Methods course, and electives that include Pesticides, Health, and the Environment (PH 235), Vector Ecology for Public Health (PH 236), and Public Health Genetics (PH 241).

Aside from course work, there are two milestones that will demonstrate the student's expertise in a specific area prior to the dissertation. The first is Second Year Research Paper, which consists of an empirical research project taken from the conceptualization stage, through design, data collection, analysis, and write-up the research paper. As this project is intended to be conducted with the Faculty Advisor and should be of publishable quality, it is expected that the student will need to master the theory upon which the project is based. The second milestone is the Qualifying Exam paper. Completion of the written paper should be in the student's field of specialization, prepare the student for the dissertation research, and be of *publishable quality*. As such, this paper is intended to demonstrate that the student has a mastery of the theory underlying his or her eventual dissertation research topic.

2.3.3 Plan (Master's Degree; Doctoral Degree: Plan A):

The Master's of Science degree is not granted by the University of California merely for the fulfillment of technical requirements, such as residency or completion of fundamental courses. The recipient of a MSPH degree is understood to possess a thorough understanding of a broad field of knowledge and to have given evidence of accomplishment in that field. The University of California, Merced will not admit students seeking a terminal MSPH in Public Health. Receipt of a Master's Degree is optional, and is not necessary for receipt of the Ph.D. As such, students will apply only to the Ph.D. program. Requirements for the optional MSPH are described in Section 2.9.

Likewise, the Doctor of Philosophy degree is not granted by the University of California merely for the fulfillment of technical requirements. Rather, the recipient of a Ph.D. degree is understood to possess thorough knowledge of a broad field of learning, have demonstrated evidence of distinguished accomplishment in that field and critical ability. The degree also signifies that the recipient has presented a doctoral dissertation containing an original contribution to the knowledge base in his or her chosen field of study. Ultimately, the quality of the dissertation and the qualifications of the candidate for the Ph.D. in Public Health are determined by a faculty committee convened to provide such an evaluation to the Dean of Graduate Studies.

2.3.4 Unit Requirements

The Public Health Graduate Group has established that students must complete seven courses aimed at providing students with the breadth of knowledge of Public Health theory and methods (24 units), one course designed to provide specific training in a discipline (Discipline requirement: 4 units), one course designed to provide advanced training in research method and analysis (Advanced methods requirement: 4 units), and 24 units of elective courses (total = 56 units of graduate coursework). All of these courses must be taken for a letter grade. In accordance with University of California policy, a minimum of four semesters in academic residence is required prior to awarding a Ph.D.

2.3.5 Courses

All graduate students in Public Health will be required to complete a common core sequence of classes including:

Required: Core Public Health courses- 7 courses (24 units)

- PH 201: Foundations of Public Health (4 units)
- PH 202: Epidemiology (4 units)
- SOC 210: Statistics 1: Regression Analysis (4 units)
- SOC 211: Statistics 2: Categorical Regression Analysis (4 units)
- PH 203: Research Methods (4 units)
- PH 208a: Professionalization seminar (2 units)
- PH 208b: Professionalization seminar (2 units)

Required: Discipline - 1 course (4 units)

- PH 204: Environmental Health (4 units)

- PH 205: Health Services Research and Policy (4 units)
- PH 206: Health Communication (4 units)
- PH207: Social and Behavioral Theory in Public Health (4 units)

Required: Advanced methods - 1 course (4 units)

- PH 223: Qualitative Research Methods for Public Health (4 units)
- PH 224: Environmental Epidemiology (4 units)
- PH 225: Advanced Quantitative Methods (4 units)

Electives: (24 units)

- PH 204: Environmental Health (4 units)*
- PH 205: Health Services Research and Policy (4 units)*
- PH 206: Health Communication (4 units)
- PH 207: Social and Behavioral Theory in Public Health (4 units)
- PH 221: Social Epidemiology (4 units)
- PH 222: Program Design and Evaluation (4 units) *
- PH 223: Qualitative Research Methods for Public Health (4 units)
- PH 224: Environmental Epidemiology (4 units)*
- PH 225: Advanced Quantitative Methods (4 units)*
- PH 235: Pesticides, Health, and the Environment (4 units)
- PH 236: Vector Ecology for Public Health (4 units)
- PH 241: Public Health Genetics (4 units)
- ES 234: Air Pollution and Resources (3 units)
- PSY 202C: Multivariate Analysis (4 units)
- PSY 208A: Methods for Program Evaluation (4 units)
- PSY 208B: Theory of Program Evaluation (4 units)
- PSY 206: Quantitative Methods for Reviewing Research (4 units)
- PSY 220: Health Psychology (4 units)
- PSY 221: Issues in Health Psychology (4 units)
- PSY 224: Health Disparities (4 units)
- PSY 225: Health Risk Decision Making (4 units)
- PSY 230: Developmental Psychology (4 units)
- PSY 280: Human Behavioral Genetics (4 units)
- Soc 230: Stratification (4 units)
- Soc 245: Sociology of Health (4 units)

** If taken to fulfill the discipline or advanced methods requirement, the course cannot fulfill the elective requirement. That is, no double counting of courses.*

This course of study will provide students with an understanding of the basic areas of Public Health and Prevention Sciences (e.g., Foundations of Public Health, Epidemiology, Research Methods, and Statistics I and II), advanced training in a core Public Health discipline (Social and Health Behavior in Public Health, Health Services Research and Policy, or Environmental Health), advanced training in a methodology relevant to prevention sciences (Qualitative Research Methods in Public Health,

Environmental Epidemiology, or Advanced Qualitative Methods), and elective courses in areas relevant to their research interests.

The Graduate Division requires that graduate students be enrolled in at least 12 units of upper division or graduate-level units per semester. Registration in PH 299 may be used to fill this requirement in any given semester, with permission from the Faculty Advisor.

2.3.6 Teaching Requirement

To ensure that students earn a range of relevant experiences, every student must serve as a teaching assistant (TA) or equivalent for no fewer than 2 semesters. A student who has advanced to candidacy may fulfill the teaching requirement by teaching one full course of their own design.

2.3.7 Licensing and Certification

No licensing or certifications are required for this program.

2.3.8 Additional Requirements

All students must maintain a GPA greater than 3.0. In the case a student does not meet this standard, he or she will be put in academic probation for the duration of one semester. Should the standard still not meet this standard, he or she may be dismissed from the graduate program at the discretion of the Graduate Group Chair for failure to make due progress in the program.

2.4 Second Year Research Thesis

Research skills in Public Health are best acquired through classroom instruction and participation in research. Thus, before advancing to candidacy, graduate students are expected to complete a Second Year Research Thesis, which consists of an empirical research project taken from the conceptualization stage, through design, data collection, analysis, and write-up. The student need not be the originator of the research idea, but must be an active participant in all steps. However, the write-up of the Second Year Research Thesis must be sole authored by the student; other authors may be added to a later published version of the paper, as appropriate, and the order of authorship on such a subsequent publication may change. The project should be completed by the end of their second year of study (typically the end of the Spring semester). However, it must be completed and submitted for review prior to commencement of the 3rd year of the program (i.e., by the end of the summer following the 2nd year of graduate study), and it must be completed before advancing to candidacy. Note that a Faculty Advisor may expect that a student is involved in other research than that leading to the completion of the Second Year Research Thesis. The Second Year Research Thesis will be conducted in close collaboration with the Faculty Advisor; students should ensure that the Advisor concurs with decisions made at all stages of the project. The Second Year Research Thesis will be a written paper in the format of an empirical journal article. The Second Year Research Thesis must be approved by the Faculty Advisor as well as a second reader from the Faculty Advisory Committee. Upon submission of the final paper, the readers have at least 14 but no

more than 28 days to evaluate the paper and make a recommendation as to whether the Second Year Research Thesis requirement has been satisfied.

In the event that the Second Year Research Thesis is judged inadequate by one or both readers, a written request for revisions will be provided to the student. Students will be expected to undertake the requested revisions and resubmit the paper to the two readers within 6 weeks. Failure of this second draft must be addressed in the student's next Biannual Review, which must then involve the student's entire Faculty Advisory Committee. In the event that the student and the Faculty Advisory Committee do not agree on the acceptability of the Second Year Research Thesis, the Chair of the Public Health Graduate Group will make the final decision.

2.5 Qualifying Examinations and Advancement to Candidacy

All graduate students are considered resident graduates, not candidates for a degree, unless admitted to candidacy by the Graduate Division after formal application and satisfactory completion of candidacy requirements. Candidacy requirements:

- Demonstrating a high level of scholarship in full-time study (12 units minimum per semester including research hours) at the Ph.D. level,
- A minimum grade point average of 3.0,
- Passing the Qualifying Exam, which demonstrates readiness to proceed to the dissertation phase
- Passing of the Qualifying Exam, to be administered by the Candidacy Committee no later than the start of the 4th year of graduate study. Failure to do so must be addressed in the student's next review (described in Section 2.5.2), which must then involve the student's entire Faculty Advisory Committee. Prior to convening a student's Candidacy Committee, the Faculty Advisor, the Public Health Graduate Group Chair, and the graduate student must sign the Statement on Conflict of Interest form that is included in the Graduate Division form *Candidacy for the Degree of Doctor of Philosophy—Plan A*.

2.5.1 The Candidacy Committee

The Candidacy Committee (CC) is charged with determining the readiness of the student to proceed with the Doctoral Dissertation. The CC must be composed of no less than three members of the UC Merced Public Health Graduate Group faculty. An additional outside member (e.g. of another UC Merced administrative unit or from another university) can serve as a CC member if approved by the other members of the committee and the Graduate Division. The CC conducts and evaluates the student's Candidacy Examination.

The student should initially propose a CC to her/his Faculty Advisor; if supported by the Advisor, the student should contact the desired members and invite them to join the CC. Students should be aware that faculty members may in some instances be unable or unwilling to serve on a CC. The members of each student's CC are approved by the Chair of the Public Health Graduate Group and the Graduate Dean prior

to the start of its examination. The membership of the student's CC is listed on the Graduate Division form *Candidacy for the Degree of Doctor of Philosophy—Plan A*.¹ At this point the CC becomes the student's new Faculty Advisory Committee.

2.5.2 The Qualifying Examination

The Qualifying Exam in Public Health consists of proposing, completing, and orally defending a substantial research paper. Completion of the written paper constitutes the written portion of the Qualifying Exam. This paper shall represent the student's field of specialization, prepare the student for the dissertation research, and be of *publishable quality*. As such the paper must be novel and advance knowledge in the field. It is expected to be longer than a typical course or seminar paper at 35 to 45 double-spaced pages in length, not counting references. Students are encouraged to connect this paper to their planned dissertation, such that it create the foundation for and serve in part as the background and rationale for the Dissertation Proposal (see Sect. 2.6.2).

As a written exam, the paper must be sole authored by the student when submitted to the CC. After completion of the Qualifying Exam, other authors may be added to a later published version of the paper, as appropriate. Before writing the paper, the student must prepare and obtain approval for a proposal of the paper of approximately 5-8 double-spaced pages (not including references). This typically follows a process of discussions with the Faculty Advisor to ensure appropriate direction. The proposal should present the objectives of the paper, the rationale for why the paper is novel and will advance knowledge, and an outline of the sections planned for the paper, including a list of the most relevant references. The proposal is disseminated to the members of the CC, who then meet with the student as a committee to discuss the proposal. The proposal must be approved by the CC before the student commences writing the paper. It may take several months to develop the proposal and it is expected that about three months of mostly full-time work will be required to complete the review paper once the proposal has been accepted by the CC.

The Graduate Division's *Application for Qualifying Examination* form must be submitted at least one month prior to the completion of the Qualifying Exam. There is also an oral portion of the exam. The CC has at least 14 but no more than 28 days to review the review paper, and then meets with the student for the oral portion of the examination, in accordance with university and graduate group requirements. The student should schedule a minimum 120-minute block of time for the meeting. During the oral exam, at the discretion of the CC, the student may first present a brief (10-15 minute) overview of the paper. The CC will then discuss the subject addressed in the review with the student. The student is expected to be able to answer questions on all aspects of the subject to the satisfaction of the CC. Following the completion of the oral exam, the CC makes a recommendation whether to pass the student on the Qualifying Exam. The CC recommendation is by unanimous vote, leading to one of the following recommendations:

Pass: Oral and written portions of the Qualifying Exam are passed and the student may Advance

to Candidacy.

Minor Revisions: The oral portion of the Qualifying Exam is passed and the written portion passed pending minor revisions, which must be approved by the Faculty Advisor and any CC member wishing to review such changes. The timeline for revisions will be determined by the CC at the time the decision is made.

Major Revisions: The oral or written portion of the Qualifying Exam is not passed. The student must revise the review paper in light of any CC feedback and resubmit the paper within 6 weeks to make and submit those revisions, and the CC will then have at least 14 but no more than 28 days to review the revisions. A second oral exam must then be held with the student, after which the CC makes a recommendation whether to pass the student on the Qualifying Exam. A failure to oral pass either the written or oral portion of this second exam must be addressed in the student's next Biannual Review Progress Report (see below), which must then involve the student's entire Faculty Advisory Committee. Any further examination must have the approval of the Graduate Dean.

2.5.3 Advancement to Candidacy

When the Qualifying Exam is passed, both the written and oral portions, the student is recommended for Advancement to Candidacy as reported to the Graduate Division on the *Candidacy for the Degree of Doctor of Philosophy—Plan A*. This form must be signed by all Candidacy Committee members. This form is also submitted if the student failed the examination. If the recommendation of the Candidacy Committee is favorable, the student must pay the Advancement to Candidacy Fee to the campus Cashier's Office, which will validate the *Candidacy Form*. The student must then submit the *Candidacy Form* to the Graduate Division. The date the student submits the signed and validated *Candidacy Form* will be the official date of Advancement to Candidacy. The student at this point may use the title Doctoral Candidate. The candidate and Graduate Group will be notified of formal advancement.

2.6 The Doctoral Dissertation

The Doctoral Dissertation is the culmination of the Ph.D. program, in which the Doctoral Candidate demonstrates the capability to conduct research independently that makes an original contribution to knowledge of a quality that can be published in a reputable scientific journal. The planning and completion of the Dissertation is supervised by the Doctoral Committee Chair, who usually is the Candidate's Faculty Advisor. The student's Doctoral Committee approves the Dissertation proposal and evaluates whether the Dissertation has been completed in accordance with high scientific standards. In overview, the dissertation process starts with the establishment of the Doctoral Committee (DC), which is done when recording Advancement to Candidacy. The Doctoral Candidate submits a dissertation proposal to the DC, and defends the proposal at an oral Proposal Defense meeting. This should usually be done within six months of Advancing to Candidacy. If the proposal is passed by the DC, the student undertakes and completes the proposed research. Having completed the research, the student must submit a final written Dissertation to the DC, and defend the Dissertation at an oral defense meeting, which constitutes the Final Examination for the Ph.D. At the conclusion of the oral defense, the DC votes on

whether to approve the Dissertation. These stages are presented in more detail below.

2.6.1 The Doctoral Committee

The DC is chaired by the Candidate's Faculty Advisor. Upon appointment the DC becomes the Candidate's Faculty Advisory Committee. The membership of the DC is proposed on the Graduate Division form *Candidacy for the Degree of Doctor of Philosophy—Plan A*. The DC may differ in membership from the original Faculty Advisory Committee and from the Candidacy Committee to accommodate changes in the Candidate's research interests and available faculty expertise. No special procedure need be followed to change membership other than filling out this form.

The DC must be composed of no less than three members of the Public Health Graduate Group. An additional outside member (e.g. of another UC Merced administrative unit or from another university) can serve as a DC member if approved by the other members of the committee, the Chair of the Graduate Group, and the Graduate Division. The Candidate should initially propose a DC to her/his Faculty Advisor; if supported by the advisor, the Candidate should contact the desired members and invite them to join the DC. Candidates should be aware that faculty members may in some instances be unable or unwilling to serve on a DC. Once the DC has been agreed upon, the Candidate must secure signatures of all members and submit *Candidacy for the Degree of Doctor of Philosophy—Plan A* to the Public Health Graduate Group and the Graduate Division. Changes to the composition of the DC after its initial formation must be approved by the Faculty Advisor, the Public Health Graduate Group faculty as a whole, and the Graduate Division.

2.6.2. The Dissertation Proposal

The Dissertation Proposal (DP) serves three primary functions. First, it reviews the relevant literature and in so doing defines the area of inquiry of the proposed Dissertation. The Qualifying Exam paper is intended to enable the preparation of this portion. Second, it provides a clear statement of actionable research aims, questions, and/or hypotheses that will be addressed in the Dissertation. Third, it outlines the methodological and analytic approach that will enable the proposed research to address these aims, questions, and/or hypotheses.

The DP should be approximately 20 double-spaced pages, not including references and appendices. The Candidate works with the Faculty Advisor until the latter deems the DP of sufficient quality to pass to the DC. DC members should make every effort to provide such feedback in a timely fashion, but should inform the student promptly if they will be unable to provide such informal feedback. When the finalized DP is submitted, the DC should have at least 7 but no more than 14 days in which to review the DP prior to the Proposal Defense Meeting.

2.6.3 Proposal Defense Meeting

The Candidate must consult with the DC to schedule the Proposal Defense Meeting, at which all members of the committee must be present in person (or via conference call under extenuating circumstances such

as a DC member being on sabbatical or at a distant site). The Candidate should schedule a minimum two-hour block of time for the meeting.

At the Proposal Defense Meeting, the Candidate will present an overview of the proposal research. The DC will then discuss the proposed research with the Candidate. At the conclusion of the Proposal Defense Meeting, the Candidate will be asked to leave and the DC will deliberate on whether to pass the proposal. The DC recommendation is by majority vote with no more than one dissenting vote, leading to one of the following recommendations:

Pass: The proposal is passed and the Candidate may commence with the proposed research.

Minor Revisions: The proposal is passed pending minor revisions, which upon completion must be approved by the Faculty Advisor and any DC member wishing to review such changes.

Major Revisions: The proposal is not passed because major substantive or methodological issues need to be addressed. The Candidate must revise the proposal in light of committee feedback and resubmit the proposal within three months. At that time, the Candidate must reschedule the Proposal Defense Meeting and complete it satisfactorily before undertaking any dissertation research. Failure to complete it satisfactorily at a second defense must be addressed in the student's next Biannual Review, which must then involve the student's entire Faculty Advisory Committee.

2.6.3 The Dissertation

The format of the Dissertation manuscript should be approved by all members of the DC during the Proposal Defense Meeting, subject to any requirements by the Public Health Graduate Group, the Graduate Division, and the University Archives. The Candidate prepares the Dissertation under the supervision of the Faculty Advisor, who requests revisions until she or he judges the work is ready to be reviewed by the DC members.

The Candidate then circulates the Dissertation among DC members, who should provide crucial comments, possibly leading to another revision before the final submission and scheduling of the Dissertation Defense; DC members should provide these comments in a timely fashion. The final Dissertation must be provided to the DC members at least 14 but no more than 28 days prior to the defense.

2.7 Final Examination

The defense of the Dissertation is a capstone event in the Candidate's graduate education. It consists of a 30-minute oral presentation of the Dissertation, followed by questions and answers. This portion of the meeting is open to the public. Announcement of the oral defense time and location will be made in appropriate forums such as an email list serve or a Public Health bulletin board.

At the conclusion of the public portion of the defense, the Candidate and the DC will excuse the public in

order to discuss the Dissertation with the Candidate in private. At the conclusion of committee questions, the Candidate is excused and the DC deliberates and votes on whether to pass the Dissertation. The completed Doctoral Dissertation must be approved by the DC, who then recommends, by submission of *Ph.D. Form II*, the conferral of the Ph.D., subject to final submission of the approved Dissertation for deposit in the University Archives (see *Graduate Advisor Handbook*, Sect. VII.H.8).

The DC recommendation is by majority vote with no more than one dissenting vote:

Pass: The Dissertation is passed and the Candidate is awarded the Ph.D.

Minor Revisions: The Dissertation is passed pending minor revisions, which upon completion must be approved by the Faculty Advisor and any DC member wishing to review such changes. Upon approval the Candidate is awarded the Ph.D.

Major Revisions: The Dissertation is not passed because major substantive or methodological issues need to be addressed. The Candidate must revise the Dissertation in light of DC feedback and resubmit the Dissertation within 6 weeks. At that time, the Candidate must reschedule the Proposal Defense Meeting and complete it satisfactorily to receive a recommendation of Pass.

2.8 Special Requirements

The Public Health Graduate Group has approved a number of special requirements for graduate students, including procedures for selection of a Graduate Advisor and procedures for regular evaluation of graduate students. These are as follows:

2.8.1 Biannual Review Process

Student progress will be evaluated on a biannual basis. To this end, each student and their Faculty Advisor will fill out a Progress Report at the end of the Fall and Spring Semesters (see Appendix E6). It is expected that the Faculty Advisor will consult with faculty teaching courses in the sequence prior to preparing the students biannual Progress Report. In the Spring semester of each year the Graduate Studies Committee will also review the student's Progress Report. Biannual Review continues until the student has completed an approved Doctoral Dissertation.

A meeting is convened between the student and his/her Faculty Advisor prior to the end of each semester, in which feedback is provided to the student both orally and in writing. The Spring meeting should also include the other members of the Faculty Advisory Committee. As part of each review, a determination must be made whether the student's progress on the whole is Satisfactory or Unsatisfactory. This determination is then clearly communicated in written form and signed by the Faculty Advisor. The student also signs the evaluation indicating understanding of the evaluation and is given one copy. In the Spring semester the Graduate Studies Committee must also sign off on the Faculty Advisor's assessment of the student's Progress Report. In the case that the Graduate Studies Committee feels changes need to be made to the student's Progress Report, these changes will be made in consultation with the Faculty Advisor. The original is retained in the Public Health Graduate Group files.

Satisfactory Progress: Satisfactory progress is determined on the basis of both the student's recent academic record and overall performance. Satisfactory Progress is more than simply avoiding displaying any of the specific behaviors listed below as indicative of Unsatisfactory Progress. It is a subjective judgment made by the Faculty Advisor and the Faculty Advisory Committee based on the quality, quantity, and timeliness of performance in research as well as the other activities described in the Graduate Student Handbook. The Faculty Advisor is expected to communicate his/her standards in these respects on a continual basis. These standards also provide the framework for the biannual reviews.

Unsatisfactory Progress: Unsatisfactory academic progress is *in part* determined on the basis of explicit requirements, including those outlined in the UC Merced Graduate Division's *Graduate Advisor Handbook* and reproduced here.

- An overall grade point average below 3.2; or
- A grade point average below 3.2 in two successive semesters; or
- Fewer than 8 units completed and applicable toward the advanced degree requirements in the last two semesters; or
- Failure to successfully pass second year research thesis.
- Failure to complete required courses or examinations satisfactorily within the period specified by the Graduate Group; or
- Failure to pass Qualifying or Dissertation Final Examination in two attempts; or
- Failure to progress academically within the Normal Time to Degree framework specified for the student's Graduate Group; or
- The appropriate faculty committee's evaluation that there has not been satisfactory progress toward completion of the dissertation; or
- Failure to fulfill TA duties.

Note however, that the professional judgment of the faculty assigned the role to evaluate the student, upon review of all graduate work undertaken by that student, *is paramount*. Faculty may establish more restrictive criteria than the above minimum criteria.

A judgment of Unsatisfactory Progress can have significant negative consequences for a graduate student including (but not limited to):

1. A student who has a GPA less than 3.2 in a single semester is at risk of being disqualified from obtaining an assistantship unless the employing unit wishes for them to continue to be employed; in that case, the Graduate Group Chair must request an exception from the Dean of the Graduate Division.
2. A student who has a D or F in a single course is disqualified from obtaining an assistantship. A grade of C in a single course is disqualifying unless the employing unit wants them to continue

to be employed; in that case, The Graduate Group Chair must request an exception from the Dean of the Graduate Division.

3. A graduate student who has not demonstrated satisfactory academic progress by any of the other criteria listed above is not eligible for any academic appointment or employment, such as a Teaching Assistantship, and may not receive fellowship support or other awards.
4. A graduate student who does not demonstrate satisfactory academic progress in two successive semesters may be dismissed from the graduate program at the discretion of the Graduate Group Chair in consultation with the Public Health Graduate Group faculty.

The Public Health Graduate Division delegates the monitoring of student performance regarding these rules to Director of Graduate Studies and the Registrar.

Communication of Unsatisfactory Progress: It is important to give students an early warning of potentially unsatisfactory progress. The Biannual Review specified above is a minimum. In addition, the Graduate Group Chair is encouraged to be direct in communicating orally, and in writing as necessary, with students demonstrating difficulties as soon as possible and on a continual basis. For example, course instructors are encouraged to engage in this communication, and to inform the Graduate Group Chair when a student is experiencing difficulties during a course, and not wait until the end.

It is useful for the Graduate Group Chair to keep a written record of all such communications. When notices of potential unsatisfactory progress are provided in writing to the student, a copy should also be retained in the Public Health Graduate Group files. The written communication should include specific details on areas that require improvement, provide an outline for future expectations of academic progress, and set meeting dates to maintain continuity in advisement. The purpose of the notice of unsatisfactory progress is to provide the student with a reasonable period of time (usually at least one academic semester) in which to make the necessary improvement in their academic status, and successfully complete their graduate study.

A formal determination of Unsatisfactory Progress in any Biannual Review may result in academic disqualification immediately or following a probationary period as determined by the faculty in the Public Health Graduate Group. A determination of academic disqualification will conform to the requirements and policies for disqualification of graduate students specified by the UC Merced Graduate Division's *Graduate Advisor Handbook*.

If the Graduate Group faculty offers the student probation, criteria must be specified in writing detailing what the student will need to achieve to be removed from this status if they are to be allowed to remain in the program, and the timetable for doing so. This is included in the written feedback provided to the student as part of the formal review. This information will be conveyed to the student by the Graduate Group Chair with an official copy of the letter being retained in Public Health Graduate Group files. Whenever a student has been deemed to make Unsatisfactory Progress, the Public Health Graduate Group reviews the student's progress at the end of the subsequent semester and determines his/her status at that

time. The professional judgment of the Public Health Graduate Group, upon review of all graduate work undertaken by that student, is paramount in determining whether the student can or cannot be removed from Unsatisfactory Progress status. While it is expected that the Graduate Group Chair will communicate with the student when in this status to provide guidance and feedback on efforts to meet the specified criteria, it is ultimately the student's responsibility to achieve progress that can be deemed Satisfactory Progress.

2.9 Relationship of Master's and Doctoral Program

The *Master's of Science in Public Health* is not intended as a stand-alone degree, but rather as an option for students admitted to the Ph.D. program. The optional MSPH serves as recognition of advancement in the degree program, though it is not a prerequisite for advancement. Ph.D. students will have the option to obtain a *Master's of Science in Public Health* degree, either en route to a Ph.D. degree (non-terminal), or in lieu of a Ph.D. degree (terminal) if a student exits the graduate program prior to fulfilling the Ph.D. requirements. The recipient of an MSPH degree is understood to possess knowledge of a broad field of learning that extends well beyond that attained at the undergraduate level, but is not expected to have made a significant original contribution to knowledge in Public Health or to be able to use sophisticated methodological tools to conduct independent research.

Requirements to receive the optional *Master's of Science in Public Health* are:

- Complete at least four semesters of academic residency at UCM
- Complete PH 201, PH 202, PH 203, PH 208a, PH 208b, Soc 210, Soc 211
- Complete the Discipline requirement (1 course)
- Complete the Advanced methods requirement (1 course)
- Complete 4 elective courses
- Complete 48 units of graduate coursework (all taken for a letter grade)
- Have a cumulative GPA no lower than 3.2
- Receive a Master's level "pass" on Second Year Research Thesis

Students who choose the MSPH degree en route to their Ph.D. (non-terminal) need only complete the Graduate Division form *Final Report for the Master's Degree* following the successful completion the Spring semester of their 2nd year of study. All other MSPH requirements will have been met at this point and the MSPH degree will be awarded at the end of the Spring semester, provided they meet the above criteria.

Students who opt for a terminal MSPH degree in lieu of the Ph.D. degree should inform their Faculty Advisor and the Graduate Group Chair of this decision prior to the start of their terminal semester (typically the Spring semester of their 2nd year). Students must complete the relevant portions of the Graduate Division form *Application for Advancement to Candidacy* at this time.

The Second Year Research Thesis will be graded using the rubric outlined in Appendix E3. A Master's

level “pass” will require less command of the material than a Ph.D. level “pass,” and the Public Health Graduate Group will determine the student's level of performance.

2.10 Special Preparation for Careers in Teaching

The Public Health Ph.D. program presents numerous opportunities for graduate students to gain teaching experience. To ensure that students acquire a range of relevant experiences serving as a teaching assistant (TA) or equivalent teaching experience is a requirement for earning the Ph.D. A student meets the teaching requirement by serving as a TA for no fewer than two semesters. In assigning courses for students, the Graduate Group Chair will seek to ensure that all students have an opportunity to TA for an introductory course (e.g., PH 01 or PH 05), a methods course (PH 111, PH 112 or PH 113), and an upper division course.

All students will be encouraged to participate in campus wide teacher training seminars. For example, the UC Merced Center for Research and Teaching (CRTE) run a series of seminars for graduate students to facilitate their development as an instructor. These seminars will provide the requisite training for our graduate students. All students will be encouraged to participate in these seminars, particularly during the 1st and 2nd years of the program.

Students who have advanced to candidacy may also satisfy two semesters of teaching assistantship by teaching one full course of their own design (subject to approval by the Dean of Graduate Students). It is expected that many students will, in fact, exceed these minimums and thus accrue even more teaching experience.

Table 5. Sample course of study

Prevention Sciences	
Fall Semester	Spring Semester
<u>1st Year</u>	
PH 201: Foundations of Public Health	Soc 210: Statistics 1: Regression Analysis*
PH 203: Research methods in Public Health	Elective
PH 202: Epidemiology	Elective or Discipline requirement
PH 208a: Professional seminar	PH 208b: Professional Seminar
	Summer: Research for Second Year thesis
<u>2nd Year</u>	
Soc 211: Statistics 2: Categorical Regression Analysis*	Elective or Advance Research Methods requirement
Elective or Discipline requirement	Elective
Elective	Elective
	Turn in Second Year Thesis
	Terminal MSPH student departs at end of 2nd
	Summer: Research experience with faculty or community or governmental organization
<u>3rd Year</u>	
Elective or Advance Research Methods	
Prepare for Qualifying Exam	Qualifying Examination
Formulate Candidacy Committee	Summer: Work on Dissertation Proposal
<u>4th Year</u>	
PH 299 Dissertation proposal and Defense	PH 299 Dissertation Research
PH 299 Dissertation Research	Summer: Work on Dissertation
<u>5th Year</u>	
PH 299 Dissertation Research	<i>Dissertation Research (complete and oral examination)</i>
	Defense of dissertation

2.11 Sample Program

The program shown in Table 5 demonstrates a typical course of study for the students.

2.12 Normative Time to Degree

While time to completion of the degree will vary, a general expectation is that students will complete the majority of their course work and complete the Second Year Research Project by the end of their 2nd year, pass their Qualifying Exam by the end of the 3rd year, pass their Dissertation Proposal and Defense by the middle of the 4th year, and defend their dissertation in their 5th year of study.

We anticipate that approximately one-third of our students will be capable of completing the degree in 4 years. We also anticipate that a small percentage may extend into a 6th year if necessary. Under exceptional circumstances, a student may be allowed to exceed six years, subject to university regulations and the approval of the Public Health Graduate Group Chair. As described in Section 2.8, regular review of students is an integral component of the program intended to ensure that students make timely progress.

Section 3: Projected Needs

Projecting student demand is an inexact science, but we cite indirect evidence from three sources: (1) popularity of Public Health among undergraduates, (2) demand for public health graduates, and (3) need for public health professionals in the San Joaquin Valley.

3.1 Student Demand:

Based on our consultations with the Directors of the Public Health Departments in the San Joaquin Valley, the Public Health faculty at California State University Fresno, health science faculty at California State University Stanislaus, representatives from other University of California campuses, and our student body, we anticipate our graduate program to be attractive to three groups of potential students:

1. Recent graduates with an undergraduate degree in Public Health, Human Biology, or other related disciplines;
2. Recent graduates with a Masters of Public Health from one of the Masters of Public Health programs at a California State University campus; and
3. Professionals working in Public Health field in the San Joaquin Valley or elsewhere in California who wish to pursue a Ph.D. in community based research.

In order to ascertain the interest in graduate study in Public Health among our students, we polled 150 Social Science and Natural Sciences students who were taking their first Public Health course (e.g., none had taken any Public Health courses), asking them to indicate their interest in pursuing a Minor in PH, a Major in PH, and/or a Graduate Degree PH. As shown in Table 6, there was a high level of interest in Graduate Degrees in Public Health.

Table 6: Interest in Minor, Major and Graduate Study in Public Health

	Minor in Public Health?	Major in Public Health?	Graduate study in Public Health?
Overall	58%	68%	71%
Social Science	54%	61%	67%
Natural Science	69%	90%	83%

As shown in Table 7, students expressed a high level of interest in each of the four areas polled, with

Natural Science students showing a particular interest in Environmental Health. However, interest was high in all areas of Public Health.

Table 7: Interest in Graduate Study in Public Health

	Health promotion /communication	Epidemiology	Environmental Health	Health policy
Overall	88%	82%	90%	83%
Social Science	89%	84%	89%	84%
Natural Science	86%	79%	93%	83%

Finally, we asked Professor Dele Ogunseitan, Chair of the Department of Population Health & Disease Prevention at UC Irvine, about the number of applications that they receive for their Ph.D. program (a program that has only been recently approved). Professor Ogunseitan reported that they receive approximately 50 applications for their program, and admit a cohort of seven students each year. As their program is similar to ours in terms of size and scope, this suggests that we might expect a similar number of applicants if we pursue an active recruitment strategy.

As indicated above, to the extent that the type of undergraduates currently attending UC Merced and our existing graduate students are representative of the type of graduate student we might attract in the future, our prospective students are likely to want to engage in research relevant to rural, underserved communities. Based on the student interest, our experience, and the experiences of the new program at UC Irvine, we anticipate receiving 50 applications per year, with the majority being from within California (at least initially), and accepting 7 students per year.

3.2 Opportunities for Placement of Graduates.

As stated above, a 2009 report from the University of California Office of Health Affairs encouraged UC Merced "(t)o address both regional needs and student interests, possible future development of new programs in other health professions, including perhaps programs in nursing and public health, where regional needs also exist."¹⁸ That same report also recommended a 50% increase in doctoral students across the UC system in Public Health by 2020,¹⁹ and that there is a growing demand for a more educated public health research work force at the national level and in California.²⁰ In particular, there is a need for graduate programs in public health research that can train students to address contextual health issues associated with the demographic and epidemiological shifts taking place in California.

Our proposed program fills a need to not only create a workforce that will educate future public health

¹⁸ Page 17. Office of Health Affairs. *A Compelling Case for Growth: Special Report of the Advisory Council on Future Growth in the Health Professions*. University of California Office of the President. 2009.

¹⁹ Ibid. Page 18.

²⁰ Public Health Education and the University of California. Final Report of the Health Sciences Committee – April 2004. Available at http://www.ucop.edu/health-sciences-services/_files/public_health.pdf, page 12.

workers, but to train practice-oriented researchers who will work both inside and outside of academia. Labor market demand for Public Health researchers has been increasing, in both academia and more applied settings. Public health Ph.D. students not only work for governmental agencies at the federal, state, and local level, they work for healthcare financing and delivery systems, non-governmental public health organizations, and private industries.²¹ As a result, we anticipate that our graduates will help fill the a growing demand for trained public health researchers, and will help fill the need for mid-career training in the current public health workforce.

The need for a public health workforce with advanced training

An assessment of the state of public health in the United States sponsored by the **Centers for Disease Control and Prevention's Public Health Workforce Development Initiative** found that not only is there a workforce shortage,²² but that much of the workforce is untrained.²³ This assessment of the US public health workforce found that there was a mismatch between current workforce skills and projected needs.²⁴ In particular, the need to create practice-oriented researchers who conduct studies that improve public health practices was identified.²⁵ Individuals trained in scientific research will be needed to design and evaluate new and innovative public health interventions and to assess policy implications and policy costs.

While there is a growing demand for a more educated public health research work force at the national level, California, in particular, is plagued by a limited applicant pool for trained public health professionals. A 2014 report titled *Public Health Education and the University of California*²⁶ noted a strong demand for graduate programs in public health research education to help fill the need for researchers who can address contextual health issues associated with the demographic and epidemiological shifts taking place in California. Our graduates will help fill the need for trained public health researchers in both the public and private arena. In addition our program will help to fill the need for faculty members to train the next generation of public health researchers.

The need for additional mid-career training for public health professionals

A significant number of public health professionals with advanced degree work outside of academia. As a result, there is a growing demand for mid-career public health professionals (many of whom will already have a master's degree in public health) to receive additional advanced training (a doctorate) in public health in order to advance in their career. For example, the *Affordable Care Act* contains Mid-Career

²¹ Public Health Education and the University of California. Final Report of the Health Sciences Committee – April 2014. Available at http://www.ucop.edu/health-sciences-services/_files/public_health.pdf. Accessed July 21, 2014.

²² Denise Koo. Modernizing the Workforce for the Public's Health: Shifting the Balance. Presented at *Public Health Workforce Summit, Modernizing the Workforce for the Public's Health: Shifting the Balance* in Atlanta, GA. December 13-14, 2012.

²³ Ibid.

²⁴ Fleming D. Destinations for a Public Health Workforce Roadmap, A Perspective from the Front Lines. Presented at *Public Health Workforce Summit, Modernizing the Workforce for the Public's Health*, Atlanta, GA. Dec 13-14, 2012.

²⁵ Ibid.

²⁶ Public Health Education and the University of California. Final Report of the Health Sciences Committee – April 2014. Available at http://www.ucop.edu/health-sciences-services/_files/public_health.pdf, page 12.

Training Grants (section 5206) to support scholarships for mid-career public health professionals to gain further education in public health research,²⁷ and the Institute of Medicine has recommended that the number of nurses with a doctorate double by 2020.²⁸ The 2014 *Public Health Education and the University of California* report recognizes this and recommended increasing “enrollment of students with previous advanced degrees to increase the pool of broadly trained public health professionals.”²⁹ This demand for further scientific research training for mid-career public health professionals is represented in our current crop of graduate students, many of whom currently work in public health departments or are CSU nursing faculty, and are seeking to advance in their careers with a research degree.

Employment Opportunities

In addition to faculty jobs, graduates can seek employment in the private and public sectors. State, federal, and local governments routinely employ individuals with advanced Public Health degrees in positions such as social scientists, behavioral scientists, health scientists, program specialists, and analysts. In July 2014, a search of the CalJobs website yielded 31 positions using the keyword “public health” and 149 positions using the keyword “health research.” Similarly a search of the American Public Health Association’s CareerMart jobsite yielded 1,354 full time positions (both faculty and non-faculty). The Association of Schools of Public Health career website yielded 149 positions.

Training a successful Public Health researcher

The proposed program has been specifically designed to produce successful, marketable advanced public health researchers with a Ph.D. who should be competitive for academic and non-academic jobs alike. Students will be trained in core public health by faculty with degrees in both the natural and social sciences. The program will train researchers to work with diverse communities to identify solutions to the challenges facing the people of the region, will place students at the cutting edge of the discipline, and create much needed practice-oriented researchers who conduct studies that improve public health practices and, ultimately, population health. The strong programmatic emphasis on research and collaboration with faculty will likewise position the graduates for successful placement. In addition, our inclusion of required courses on professionalization and advanced methodology, along with an emphasis on publication of research and grant-writing, provide explicit training in areas that are critical to graduates’ professional success in a variety of public health career paths.

3.3 Importance to the Discipline

Our proposed Ph.D. in Public Health with a focus on *Prevention Sciences* aligns with the call to create researchers who conduct studies that improve public health practices.³⁰ Public Health is the science of

²⁷ American Public Health Association Center for Public Health Policy. Issue Brief June 2011: The Affordable Care Act’s Public Health Workforce Provisions: Opportunities and Challenges. http://www.apha.org/NR/rdonlyres/461D56BE-4A46-4C9F-9BA4-9535FE370DB7/0/APHAWorkforce2011_updated.pdf. Accessed July 21, 2014.

²⁸ Institute of Medicine (IOM). (2010). *The future of nursing: Leading change, advancing health*. Washington, DC.

²⁹ Public Health Education and the University of California. Final Report of the Health Sciences Committee – April 2014. Available at http://www.ucop.edu/health-sciences-services/files/public_health.pdf. Accessed July 21, 2014, page 12.

³⁰ Ibid.

protecting and improving the health of the public through education, promotion of healthy lifestyles, and research regarding disease- and injury-prevention. Public Health professionals analyze the effects of genetics, personal choice and environmental forces in order to track the spread of diseases, understand health-related behaviors, and develop programs and policies that protect the health of families and communities.³¹ Overall, Public Health is concerned with protecting the health of entire populations, from those as small as a local neighborhood to those as large as an entire country or region of the world.

Our approach to training students to engage in Public Health research will be to emphasize the use of mixed methods and transdisciplinary approaches to research to address the prevention of chronic and infectious diseases in vulnerable populations in rural, underserved communities. As such our program will be important to the discipline in a number of ways:

- ***Training students in mixed methods and transdisciplinary approaches to research*** - For several decades, there has been growing interest and investment from the National Institutes of Health in promoting interdisciplinary and team-based research to address complex and multifaceted problems.³² This has led to the development of guidelines, practical tools, and best practice recommendations to support researchers interested in incorporating the related aspects of team science and transdisciplinary research into their research paradigms. In addition, many UC campuses have identified the importance of translational research, team science, and CBPR. This has been well recognized within the UC system, with most campuses having explicit training and research centers that touch on one or more of these aspects. These campuses have recognized the growing importance of these areas to health research in general and public health in particular.

The contribution of our proposed PhD program will be to train students to use transdisciplinary and team science approaches to address public health challenges. The training will also include how to work specifically with stakeholder groups (CBPR) in the design, development, implementation, and dissemination of the results. While this training is available at other UC campuses, our multidisciplinary faculty, relatively small size, and existing expertise of our faculty will allow us to provide students with high quality graduate training in mixed methods, transdisciplinary research, and team sciences approaches to addressing public health challenges.

- ***Focus on preventing chronic and infectious diseases*** - A recent report estimated that 39% of people in California suffer from at least one chronic condition, with the cost of care exceeding \$72 billion per year.³³ And infectious diseases, including influenza and pneumonia, remain the second leading cause

³¹ www.whatispublichealth.org/what/index.html

³² Stokols D, Hall KL, Taylor BK, Moser RP (2008). "The science of team science: overview of the field and introduction to the supplement." *Am J Prev Med* **35** (2 Suppl): S77–89.

³³ Brown, P. M., Gonzalez, M., & Dhaul, R. S. (2015). Cost of Chronic Disease in California: Estimates at the County Level. *Journal of Public Health Management and Practice*, 21(1), E10-E19.

of death in California.³⁴ Shifting Californian demographic patterns have led to new challenges that affect health and create health disparities. California is now a minority-majority state,³⁵ and there is increasing research showing health disparities not only between, but within ethnic groups. Additionally, understanding the effects of generational status on health is becoming important, as there is increasing documentation of worse health outcomes at the second and third generation among Latinos.³⁶ Chronic and infectious diseases are projected to become a key public health issue due not only to an increase in the elderly population in California,³⁷ but by other social and behavioral factors.³⁸

These changes require a paradigm shift that no longer views the significant Californian Latino and Asian population as homogenous immigrant populations, but increasingly studies them by generational status. Additionally, these demographic shifts have led to the need for subgroup analysis in order to uncover hidden disparities (such as how diabetes prevalence varies among Asian and Latino subgroups),³⁹ or the need to understand how disparities in healthcare and healthcare access varies by racial/ethnic subgroup and condition.⁴⁰ These shifts in demographic patterns and health risk factors, including the emergence of chronic diseases as a public health crisis, and reemergence of infectious diseases (due to the opting out of vaccination and increased global travel)⁴¹ call for a larger public health workforce of practice-oriented researchers. Our Ph.D. program is designed to meet this need.

- **Training underrepresented ethnic/racial groups in Public Health** - Our program will serve to increase underrepresented ethnic/racial public health professionals. There is a dearth of underrepresented minorities, such as Latinos, African American, and particular Asian subgroups such as Hmong, in the field of Public Health. Per the *Public Health Education and the University of California* report, “[a]t UCB, only 5% of the [public health] students are African American and 4% are Hispanic. At UCLA, the figures are 7.9% and 9.8%, respectively.”⁴² Nationally only 9.4% of public health students are Hispanic. These figures include both doctoral and master’s student, so we

³⁴ California Department of Public Health. The Burden of Chronic Disease and Injury, California, 2013. Downloaded on July 5, 2014 from <http://www.cdph.ca.gov/programs/Documents/BurdenReportOnline%2004-04-13.pdf>

³⁵ Brown Jr. EG. Governor's Budget Summary 2014-15. In: California Department of Finance, ed. Sacramento, CA. January 10, 2014.

³⁶ Richard Fry and Jeffrey S. Passel. Latino Children: A Majority Are U.S.-Born Offspring of Immigrants. Pew Hispanic Center. May 28, 2009. <http://pewhispanic.org/files/reports/110.pdf>.

³⁷ California Department of Aging. 2004. Statistics and Demographics: Facts About California’s Elderly (<http://www.aging.state.ca.us/html/stats/demographics.html>)

³⁸ Center for Disease Control. Chronic Disease Prevention and Health Promotion. <http://www.cdc.gov/chronicdisease/>

³⁹ Demographic Changes, a View from California: Implications for Framing Health Disparities: Workshop Summary. Institute of Medicine. 2010. <http://www.iom.edu/Reports/2010/Demographic-Changes-A-View-from-California-Implications-for-Framing-Health-Disparities.aspx>

⁴⁰ OSHPD. Racial and Ethnic Disparities in Healthcare in California. 2010.

http://www.oshpd.ca.gov/hid/Products/PatDischargeData/ResearchReports/EthnicRacialDisp/RacialEthnicFactBook_2010.pdf

⁴¹ CDC. Immunization and Infectious Diseases. HealthyPeople.gov.

<http://www.healthypeople.gov/2020/topicsobjectives2020/overview.aspx?topicid=23>

⁴² Public Health Education and the University of California. Final Report of the Health Sciences Committee – April 2014. Available at http://www.ucop.edu/health-sciences-services/_files/public_health.pdf, page 12.

estimate the percentage decreases when only looking at doctoral students.

As mentioned above, UC Merced's current student population includes 60% first generation college students, with stated ethnicities that match the composition of young people across California - 45% Hispanic, 6% African American, and 25% Asian. To the extent that this is reflective of the type of students we are likely to attract, our graduate students will be interested in engaging in research relevant to rural, underserved communities. Given our location in the diverse SJV, diversity of the current undergraduate student population, and the type of student likely to be interested in this type of graduate study, our Ph.D. program can be expected to increase the population of underrepresented groups in the discipline.

3.4 Needs of Society

In their National Public Health Workforce Strategic Roadmap,⁴³ the Center for Disease Control calls for enhancing the education system by expanding public health instruction into schools and programs of public health. Our proposed program focuses specifically on research based Prevention Sciences. While we will provide students with exposure to the five core areas of public health, we will focus on providing expertise in working on health problems facing people in rural, underserved, ethnically diverse communities. This may include training in how to develop and evaluate programs and interventions aimed at eliminating health disparities using community-based, participatory research methods. The course of study is designed to expose the students to a variety of research methodologies that are common to Public Health, including epidemiology, health services research and analysis of secondary data sets, and a mixed method community-engaged approach to program design and evaluations that engage community members by building partnership, using inductive and deliberative processes where appropriate, and translating the results back into policy, practice, and/or behavior change.

The attributes of the SJV contribute to the increasingly complex challenges facing health care, workforce development and research education in not only the SJV, but in California. As such our program will help to create public health researchers who will also serve to benefit the community within which UC Merced is located. There are a significant number of health-related obstacles faced by individuals in this region. The SJV is home to some of the poorest counties and populations in California, and health outcomes, such as life expectancy, in the region vary greatly by location. Furthermore, the SJV is home to a significantly spatially segregated population, despite the fact that in 2009, Hispanics made up 48.5% of the SJV population. In 2009, 20.4% of households in the SJV had incomes below the federal poverty level and 46.2% of households in the SJV were considered poor or near poor. Over 25% of all Latinos in the SJV make less than the federal poverty level.⁴⁴ The SJV is home to a significant number of smaller, hard to reach minority populations whose health needs have not often been studied, including Assyrian, Bask,

⁴³ Center for Disease Control, <http://www.cdc.gov/ophss/csels/dsepd/documents/ph-workforce-strategic-roadmap.pdf>

⁴⁴ Joint Center for Political and Economic Studies, San Joaquin Valley Place Matters Team, Center on Human Needs Virginia Commonwealth University, Virginia Network for Geospatial Health Research. *Place Matters for Health in the San Joaquin Valley: Ensuring Opportunities for Good Health for All A Report on Health Inequities in the San Joaquin Valley*. Joint Center for Political and Economic Studies; March 2012.

Hmong, and Punjabi enclaves. Some counties (such as Madera) are home to enclaves of indigenous Mexicans (for whom Spanish is a second language) who migrate to the area seeking employment in the agricultural sector. In addition to issues such as poverty and a depressed labor market, families in the region also face challenges to health and health care access relating to status as undocumented immigrants.

The population of this region faces significant health risks for chronic diseases. 10.7% of the adult population in the SJV has been diagnosed with diabetes (compared to 8.1% for the rest of California excluding SJV) and 30.5% have been diagnosed with high blood pressure (as opposed to 26.9% elsewhere). 15.2% of the adults and teens smoke (compared to 12.4% elsewhere) and 70.1% of adults are overweight or obese (compared to 58.7% elsewhere).⁴⁵ The region itself poses a health hazard to residents as air quality is notorious unhealthy,⁴⁶ and SJV is host to *Coccidioides immitis* and *Coccidioides posadasii* (documented incidents of valley fever, Coccidioidomycosis, have been increasing in the SJV).⁴⁷ We believe the mission of our proposed graduate program will benefit the SJV region and provide much needed research on rural and hard to reach ethnic minority populations. We expect that graduates of the degree program will not only focus on the creation of knowledge about emerging public health problems in hard to reach communities, but on identifying solutions that are translated back to the community, thereby increasing the research capacity for public health in California and the nation.

3.5 Relationship of Program to Faculty Research and Interests

The University of California's *Public Health Education and the University of California* called for schools to increase faculty in particular areas, including environmental health sciences, immunology, and social and behavioral epidemiology,⁴⁸ which are fields represented by the faculty associated with the Public Health graduate group at UC Merced (see Appendix A). The disciplines of our faculty (including the Prevention Sciences candidate) are:

- Health disparities - 5 faculty members
 - Gonzalez, Ramirez, Song, Burke, and Diaz Rios
- Behavioral medicine - 3 faculty members
 - Cameron, Wallander, Wiebe
- Environmental health - 2 faculty members
 - Cisneros, Joyce
- Health economics - 2 faculty members
 - Brown, Schnier
- Immunology - 2 faculty members

⁴⁵ CHIS. CHIS 2005 -2012 [computer file]. Los Angeles, CA: UCLA Center for Health Policy Research. <http://ask.chis.ucla.edu>.

⁴⁶ Plevin, Rebecca. Is The Central Valley's Air Pollution Affecting Our Cells and Genes? Valley Public Radio. January 28, 2014. <http://kvpr.org/post/central-valleys-air-pollution-affecting-our-cells-and-genes>

⁴⁷ Valley Fever Risk in the San Joaquin Valley. Health Sciences Research Institute. <http://environmenthealth.ucmerced.edu/valley-fever>

⁴⁸ Public Health Education and the University of California. Final Report of the Health Sciences Committee – April 2014. Available at http://www.ucop.edu/health-sciences-services/_files/public_health.pdf. Accessed July 21, 2014, page 13.

- Ojcius, Barlow
- Epidemiology - 1 faculty member
 - Goldman-Mellor
- Public health genetics - 1 faculty member
 - Wooding
- Child & developmental health - 1 faculty member
 - Gilger

Our faculty conduct research that is relevant to prevention sciences. In addition, many of our faculty use mixed methods in their research and engage in transdisciplinary research and CBPR. Faculty have experience in leading research projects on health disparities, chronic disease prevention, and infectious diseases.

- **Ricardo Cisneros** (MPH, Ph.D. in Environmental Health) is researching the impact of forest fires and regional air quality and the health of people in rural areas of the SJV and the surrounding mountain communities, particularly those who suffer from chronic conditions such as asthma or COPD. His research has implications for how best to manage contained burns so as to minimize the negative health impacts on communities throughout the west. His research has been funded by the USFS.
- **Susana Ramirez's** (MPH, Ph.D. in Health Communication) research focuses at the intersection of public health and communication science and health disparities. She focused substantively on cancer prevention and Latino health including two main lines of inquiry: (1) Understanding the health information needs and seeking behaviors of Latinos and (2) Developing culturally tailored interventions. Her work with Latino communities to promote healthy lifestyles is particularly relevant to this proposal. The funders of her research include NIH and USAID.
- **Mariaelena Gonzalez** (MPH, Ph.D. in Medical Sociology) is examining how the environmental and social factors can contribute to health disparities by promoting or constraining the behavior of individuals, organizations, institutions, or policy makers. This includes examining how smokefree laws contribute to tobacco denormalization and identifying factors that may mediate the relationship between tobacco-related behaviors and other positive (home smokefree rules) or negative (food insecurity) outcomes. Her research and teaching addresses health disparities in Latino communities, and thus will be of particular interest to our targeted student population. Her research has been supported by the CDPH.
- **Karina Diaz-Rios** (MMedSc, Ph.D. in Nutrition) is interested in promoting healthy nutrition in disadvantaged communities. As a University of California's Division of Agriculture and Natural Resources (ANR) specialist located at UC Merced, she is connected with a larger team of nutrition researchers and educators throughout the UC system to address issues related to healthy food and human health. Her position as an ANR Specialist will provide her the opportunity to work with graduate students on research relevant to vulnerable communities.

- **Stephen Wooding's** (Ph.D. in Anthropology) expertise in public health genetics is used to examine implications of the molecular evolution of taste perception, including its role in explaining addictive behaviors such as tobacco and other stimulants. This includes examining genetic diversity among Hispanics, with the goal being to map specific genetic effects to chronic diseases in Hispanic communities. His research has been funded by the NIH.
- **Sidra Goldman-Mellor** (MPH, Ph.D. in Epidemiology) research explores the relationship between these disorders, social disadvantage and chronic disease. Her current work is aimed at understanding the life-course development of internalizing behavior disorders, such as depression, anxiety, and suicidal behavior, and the extent to which these behaviors are associated with social disadvantage, violence, and chronic disease.
- **Paul Brown** (Ph.D. in Economics) is a health economist with research interests in evaluation and cost effectiveness analysis, assessing unmet need for disadvantaged populations, and behavioral economics. Much of his work falls under the broad category of Public Health Services and Systems Research, including examining the role that local health departments (LHDs) play in promoting access and ensuring quality of care for health services to vulnerable communities. The funders of his research include NCI, CDPH, and the Robert Wood Johnson Foundation.
- **Andrea Joyce** (Ph.D. in Entomology) has a specialty in environmental health, with research that includes examining population genetics and research on alternatives to insecticides such as biological control, for insect populations of agricultural and public health importance. Given the heavy use of pesticides in agricultural regions, her work is pertinent to understanding the interaction between the environment and human health.
- **Linda Cameron** (Ph.D. in Health Psychology) focuses on developing health communications and psychosocial interventions for individuals who have or are at risk for illnesses such as cancer, heart disease, and diabetes. In her health communications research, she is exploring the impact of visual images and animations on responses to risk communications such as graphic warning labels for tobacco products and information about genetic testing for disease susceptibility. Funders of her research include NCI and international grant agencies.
- **Deborah Wiebe** (MPH, Ph.D. in Clinical Psychology) is building a transactional developmental model to understand how children with type 1 diabetes and their parents cope with the illness across adolescence, including examining the longitudinal aspects parental involvement in diabetes management across the transition into and through adolescence. Funders of her research include NIH and NINR.
- **Jeff Gilger** (Ph.D. in Developmental Psychology) research aims to describe and understand the brain mechanism, genetics, and behavioral expressions of such individuals. This work has implications for our understanding of how the brain develops, and important applications to the fields of learning disabilities and the basis of talent/high ability development. Funders of his research include California First Five.
- **Jan Wallander's** (Ph.D. in Clinical Psychology) research focuses on health psychology and developmental psychopathology, including interactions between behavior and health in

children and adolescents; effects of chronic disease or disability on quality of life in childhood; and behavioral interventions to improve health and quality of life in children and adolescents His research funding has come from multiple sources, including NIH, the California Endowment, and the CDC.

- **Kurt Schnier** (Ph.D. in Economics) is interested in policy analysis in the fields of health and resource economics. His health research focuses on the response of physicians and hospitals to current and impending regulations that impact the provision of health care. His research has been funded by NIH, NSF, and the USDA.
- **David Ojcius** (Ph.D. in Biophysics) research includes the use of molecular and cell biological techniques to characterize interactions between epithelial cells and intracellular pathogens, using bacteria and Chlamydia as a model system. He is currently leading a research team investigating conditions such as Valley Fever. His research has been funded by NIH.
- **Miriam Barlow** (Ph.D. in Biology) research uses experimental evolution to study antibiotic resistance. Her research is focused on discovering new properties of evolution and new ways of treating antibiotic resistance. Her research has been funded by NIH.
- **Anna Song's** (Ph.D. in Health Psychology) research focuses on psychosocial factors that influence adolescent and young adult risk behavior decision-making. Risk behaviors that are of interest to include a) smoking initiation, progression, and cessation, b) sex initiation, c) gambling, and d) unhealthy eating patterns. She is also interested in adolescents' and young adults' beliefs about risks, benefits, and future consequences associated with behaviors, as well as cultural factors that might explain and reduce health disparities. The funders of her research include TRDRP and NCI.

In addition, an offer has been made and accepted by a new member of the faculty. Nancy Burke will join the faculty in July 2015 as an Associate Professor in Prevention Sciences. Her transdisciplinary research addresses health disparities among vulnerable populations through community-based participatory research. She has an impressive publication record, history of securing grant funding (she is currently the PI on an R01 entitled "Health literacy systems in the safety net" sponsored by the National Institute of Nursing Research at NIH, the PI on an R21 entitled "Addressing oral health literacy among Mexican Immigrants" funded by the National Institute of Dental and Craniofacial Research at NIH, and a PI or Co-PI on a number of other grants totaling over \$2 million), and strong interest and expertise in research methodology, including mixed methods evaluation research. She brings outstanding leadership skills to the graduate program, the Health Sciences Research Institute, and the Resource Center for Community Engaged Scholarship (ReCCES). Given Dr. Burke specialization in studying mono-lingual immigrants and native peoples, her expertise will be invaluable to graduate students looking to work with communities in the San Joaquin Valley, including ethnic minority populations such as Hmong, Laotian, Punjabi, Native American, and Indigenous Mexican communities (such as the Oaxacan community in Madera).

3.6 Program Differentiation

In California, there are currently seven Schools of Public Health in existence or proposed (UCLA, UC

Davis, UC Berkeley, UC Irvine, USC, Loma Linda, and Claremont), one joint MPH/Ph.D. program (UCSD/SDSU), and a number of programs that offer a terminal MPH degree (Fresno State University, Cal State Northridge, Long Beach State, Cal State Fullerton, San Francisco State, and San Jose State). There is no Ph.D. program in the San Joaquin Valley.

As mentioned above, we feel our program can complement existing programs by providing students with specific training in translational research, including conducting community based participatory research (CBPR). By using our existing strengths on campus - culture of transdisciplinary research, diverse and dedicated faculty, existing resources on campus (e.g., HSRI, ReCESS and the Blum Center) - our program in *Prevention Sciences* will provide students with a unique opportunity to work on issues relevant to rural and vulnerable communities. While other UC campuses offer the type of academic Ph.D. that we are proposing, including training in Prevention Sciences (or equivalent), community based participatory research (CBPR), and the dissemination and implementation of the results (translational research), the transdisciplinary nature of our campus and faculty, our accessible to understudied (e.g., rural and vulnerable) populations in the San Joaquin Valley, and our commitment to providing students with a course of study that prepares them to work in transdisciplinary teams, is unique in the UC system.

Evidence of the transdisciplinary nature of our research can be seen in a number of ongoing collaborative efforts by faculty, post doctoral researchers, and students (both at the graduate and undergraduate level) at UC Merced. For instance, one project involves a cross disciplinary collaborative (with researchers from other schools) to examine Valley Fever both in the laboratory and at the patient level (researchers include Drs. Brown, Gabe, Ridgeway, Ojcius, and Barlow). Another example is the work (funded by the National Cancer Institute) to test the SmokefreeTXT mHealth program among Latinos in the SJV region. The work involves both health psychologists and health communication specialists (Drs. Cameron and Ramirez). In the project estimating the cost of chronic diseases incurred for each county in the state (funded by the California Department of Public Health; CDPH) involved a health economist (Dr. Brown), medical sociologist (Dr. Gonzalez), and a graduate student (Ritem Sandhu). Other collaborations include examining the impact of social capital on health-related behaviors (Drs. Gonzalez, Ramirez, and Brown), examining the relationship of risks behaviors (including unhealthy eating, smoking, and alcohol consumption) among first, second, and third generation Latinos (Drs. Gonzalez, Diaz-Rios, and Song), understanding the relationship between unhealthy food consumption and asthma severity (Drs. Cisneros and Gonzalez), and studying the impact of the creation of a mobile food van and related campaigns (Drs. Valdez and Ramirez). Additional faculty collaboration includes involvement in research proposals to study the marketing of e-cigarettes to Latinos the region (Drs. Gonzalez, Song, Brown, and Cameron), and the creation of a Translational Research Group, which is actively working with community organizations to design research projects of use to the region. These are only some of the many existing projects that demonstrate the collaborative nature of our research.

The core program curriculum focuses on training students in research methods, with other course offerings focusing on areas where faculty have research expertise. Thus, graduate students will obtain

training in a number of public health areas, and faculty will have the opportunity to teach graduate courses in their area of specialization. For example, Dr. Ramirez will teach Health Communication, Dr. Gonzalez will teach Social Epidemiology & Health Disparities, and Dr. Cisneros will teach Environmental Health. We have hired faculty with an eye toward offering the proposed graduate program, and at the same time tailored the graduate program to fit the strengths of our faculty. The result will be a cohesive and high quality graduate program. By focusing on Prevention Sciences, and on inter-disciplinary and collaborative research, we will provide our students with a broad set of tools to research health among rural and hard to reach populations. Students will also obtain a background in environmental health sciences, and social and behavioral epidemiology from core Public Health faculty, and will have the option to engage in inter-disciplinary research with Public Health faculty affiliates in Psychology and Molecular and Cell Biology who study immunology.

We aim to recruit students who particularly desire to study health disparities and to engage in Prevention Science research that will have an impact on local communities, the foundation for which we are already establishing at Merced. The focus on public health research within the local community has been fostered by the Health Science Research Institute (of which Dr. Brown, the head of Public Health is a director) and by the Health Psychology group. In addition, a Blum Center has recently been introduced on campus to address research on poverty in the SJV region. UC Merced has all the ingredients to develop this kind of practice based, locally focused, training program. The broader approach will help students to prepare for public health careers that can deal with emerging public health challenges that California faces.

Section 4: Faculty

Introduction

The Public Health Graduate Group is composed of sixteen faculty with primary appointments in several Bylaw 55 units, including Public Health and Psychology (part of Psychological Sciences), Economics, and Molecular and Cell Biology (part of the Quantitative Systems Biology Bylaw 55 unit). Public Health is a rapidly growing, uniquely transdisciplinary area at UC Merced. Our faculty include researchers with expertise in the five major subfields of public health (environmental health, health behavior and communication, epidemiology and health services research and policy), and specific strengths in health disparities, social epidemiology, and the biological bases of public health (e.g., public health genetics and infectious diseases).

The academic and professional qualifications of all faculty are high. There are seven senior-level (full Professors) and nine junior faculty (Assistant Professors). All senior faculty have proven track records of successful publications within Public Health or related fields, track records of successful funding from NIH, NCI, CDC, Robert Wood Johnson, and many other grant sources, and international reputations in their fields. In addition, all have successfully supervised graduate students at other institutions and at UC Merced. All members have maintained high publication rates, with articles in the top journals in their specific fields as well as high profile cross-disciplinary journals (Appendix A). Our success in establishing a strong faculty base thus far places us in an advantageous position to recruit more talent,

strengthening our program as it grows. A particularly important aspect of our faculty is that its research breadth and accomplishments are enabling us to develop a far reaching role at the university, supporting public health priorities in diverse areas such as Sociology, Psychology, and Systems Biology. This role is highly significant at UC Merced, whose student demographics represent populations particularly vulnerable to public health challenges and sorely in need of research and training opportunities.

The senior faculty associated with Public Health can help mentor and support the new faculty in a number of ways, including involving the faculty in funded research and in developing applications of funding of new research projects. In addition, through our mentor program, junior faculty associated with Public Health have an internal mentor as well as the opportunity to have a funded external mentor at other UC Campus. In addition, the wider Public Health group (which included all members of the Graduate Group plus additional affiliated members) meet regularly to discuss the training and support needs of junior faculty on campus. As such, Public Health is a well functioning entity on campus and the junior faculty have sufficient support, resources, and mentorship to allow them to be successful academics.

Section 5: Courses

There are 11 required courses at the undergraduate level (PH 01, 05, 100, 102, 103, 105, 108, 111, and 181) that must be offered each year, and 7 courses at the graduate level (PH 201, 202, 203, 208a, 208b, Soc 210, and Soc 211) that must be offered each semester. There are also a number of courses that must be offered every other year at the graduate level so that students can fulfill the Discipline (PH 204, 205, 206, and 207) and Advanced Methods (223, 224, and 227) requirements. The course of study requires the students to take the sociology statistics sequence (SOC 210 and SOC 211), although other sequences (e.g., PSY 202a and 202b) can be taken should SOC 210 and 211 be unavailable, or we can consider offering a specialized statistics sequence for Public Health students. Taken together, an average of 17 four unit courses that must be offered to undergraduate and graduate Public Health students each semester.

The normal course load for a new faculty in the School of Social Sciences, Humanities and Arts at UC Merced is two courses during their first year and three courses per year after that. At the graduate level, all courses must be taught by ladder ranked faculty. Under the conservative estimate that there are no new hires between 2015 and 2020, and only counting the ladder ranked faculty hired who identify as being solely in Public Health, then there would be 7.5 FTEs (Brown, Gonzalez, Ramirez, Goldman-Mellor, Wooding, Ramirez, .5 Joyce, and the Prevention Sciences hire), or 22 four unit courses per year. In addition, lectures can be used when needed to serve the introductory courses (PH 01 and 05), and a faculty member from UCSF-Fresno (Paul Mills) has taught Epidemiology one semester (PH 100). Thus, from a macro perspective, there is sufficient staff to cover the required courses.

As discussed above under the program, the course of study includes a number of elective courses. Some of the electives will be offered through the Public Health graduate program, and others offered as part of other graduate programs. Students can choose from 10 elective Public Health designated courses (PH 221, 222, 235, 236, 241 and the Discipline and Advanced Methods

Table 8. Undergraduate and Graduate course offerings in Public Health

	Required courses	Frequency	Lead Instructor	Units
PH 01: Introduction to Public Health	Required	Annual	Cisneros	4
PH 05: Global Public Health	Required	Annual	Gonzalez	4
PH 100: Introduction to Epidemiology	Required	Annual	Goldman-Mellor	4
PH 102: Health Behavior and Promotion	Required	Annual	Ramirez/Staff	4
PH 103 Health Communication	Required	Annual	Ramirez	4
PH 105: Introduction to US Healthcare	Required	Annual	Brown	4
PH 108: Introduction to Health Care	Required	Annual	Prev. Sciences**	4
PH 110 Environmental Health	Required	Annual	Cisneros	4
PH 111 Social Epidemiology *	Research Methods	Bi-annual	Gonzalez	4
PH 112 Health Services Research *	Research Methods	Bi-annual	Brown	4
PH 113 Latino and Immigrant Health	Optional	Bi-annual	Gonzalez	4
PH 115 GIS Mapping *	Research Methods	Bi-annual	Cisneros	4
PH 181: Public Health Research	Required	Annual	Wooding	4
PH 201: Foundations of Public Health	Core	Annual	Prev Sciences	4
PH 202: Epidemiology	Core	Annual	Goldman-Mellor	4
PH 203: Research Methods	Core	Annual	Gonzalez	4
PH 204: Environmental Health	Discipline	Bi-annual	Cisneros	4
PH 205: Health Services Res. & Policy	Discipline	Bi-annual	Brown	4
PH 206: Health Communication	Discipline	Bi-annual	Ramirez	4
PH 207: Social and Behavioral Theory	Discipline	Bi-annual	Prev Sciences	4
PH 208a: Professional Seminar	Core	Annual	Ramirez	2
PH 208b: Professional Seminar	Core	Annual	Joyce	2
PH 221: Social Epi. & Hlth. Disparities	Elective	Occasional	Gonzalez	4
PH 222: Program Design & Evaluation	Elective	Occasional	Prev Sciences Hire	4
PH 223: Qual. Res. Methods for PH	Av Methods	Bi-annual	Prev Sciences Hire	4
PH 224: Environmental Epidemiology	Av Methods	Bi-annual	Cisneros	4
PH 227: Advanced Public Health Research	Av Methods	Bi-annual	Brown	4
PH 235: Pesticides, Health, Environment	Elective	Occasional	Joyce	4
PH 236: Vector Ecology for Public Health	Elective	Occasional	Joyce	4
PH 241: Public Health Genetics	Elective	Occasional	Wooding	4
ES 234: Air Pollution and Resources	Elective	Occasional	Env. Sci. Faculty	3
PSY 202C: Multivariate Analysis	Elective	Annual	Depaoli	4
PSY 208A: Methods for Program	Elective	Annual	Shadish	4
PSY 208B: Theory of Program Evaluation	Elective	Annual	Shadish	4
PSY 206: Quant. Meth. for Rev. Research	Elective	Annual	Vevea	4
PSY 220: Health Psychology	Elective	Annual	Cameron	4
PSY 221: Issues in Health Psychology	Elective	Annual	Wallander	4
PSY 224: Health Disparities	Elective	Annual	Song	4
PSY 225: Health Risk Decision Making	Elective	Occasional	Wiebe	4
PSY 230: Developmental Psychology	Elective	Annual	Gilger	4
PSY 280: Human Behavioral Genetics	Elective	Occasional	Gilger	4
SOC 210: Statistics 1: Regression	Elective	Annual	Dodson	4
SOC 211: Statistics 2: Categorical	Elective	Annual	Dodson	4
Soc 230: Stratification	Elective	Occasional	Lopez	4
Soc 245: Sociology of Health	Elective	Annual	Laster	4
PH 299: Public Health Ph.D. Dissertation	Required	Annual	Staff	2 to 12

* Students must take PH 111, PH 112, or PH 115

** Prevention Sciences faculty member slated to join UC Merced on July 1, 2015.

Table 9. Sample teaching grid

	2016/17	2017/18	2018/19	2019/20	2020/21
<i>Undergraduate courses</i>					
PH 01: Introduction to Public Health	Cisneros	Cisneros	Cisneros	Cisneros	Cisneros
PH 05: Global Public Health	Gonzalez	Staff	Gonzalez	Staff	Gonzalez
PH 100: Introduction to Epidemiology	Goldman-Mellor	Goldman-Mellor	Goldman-Mellor	Goldman-Mellor	Goldman-Mellor
PH 102: Health Behavior and Promotion	Ramirez	Staff	Ramirez	Staff	Ramirez
PH 103 Health Communication	Ramirez	Ramirez	Ramirez	Ramirez	Ramirez
PH 108: Introduction to Health Care	Prev. Sci.	Prev. Sci.	Prev. Sci.	Prev. Sci.	Prev. Sci.
PH 105: Introduction to US Healthcare	Brown	Brown	Brown	Brown	Brown
PH 110: Environmental Health	Cisneros	Joyce	Cisneros	Joyce	Cisneros
PH 111 Social Epidemiology		Gonzalez		Gonzalez	
PH 112 Health Services Research	Brown		Brown		Brown
PH 113: Latino and Immigrant Health		Gonzalez		Gonzalez	
PH 115 GIS Mapping		Cisneros		Cisneros	
PH 135 Public Health Genetics		Wooding		Wooding	
PH 137: Insects and Public Health	Joyce		Joyce		Joyce
PH 181: Public Health Research	Wooding	Wooding	Wooding	Wooding	Wooding
PH 185: Health and Bioethics		Staff		Staff	
<i>Graduate Courses</i>					
PH 201: Foundations of Public Health	Prev. Sci.	Prev. Sci.	Prev. Sci.	Prev. Sci.	Prev. Sci.
PH 202: Epidemiology	Goldman-Mellor	Goldman-Mellor	Goldman-Mellor	Goldman-Mellor	Goldman-Mellor
PH 203: Research Methods in Public	Gonzalez	Ramirez	Gonzalez	Ramirez	Gonzalez
PH 204: Environmental Health	Cisneros		Cisneros		Cisneros
PH 205: Health Services Res. & Policy		Brown		Brown	
PH 206: Health Communication		Ramirez		Ramirez	
PH 207: Social and Behavioral Theory	Prev. Sci.		Prev. Sci.		Prev. Sci.
PH 208a: Professional Seminar	Ramirez	Ramirez	Ramirez	Ramirez	Ramirez
PH 208b: Professional Seminar	Joyce	Joyce	Joyce	Joyce	Joyce
PH 221: Social Epi. & Hlth. Disparities		Gonzalez		Gonzalez	
PH 222: Program Design & Evaluation		Brown		Brown	
PH 223: Qual. Res. Meth. For Public		Prev. Sci.		Prev. Sci.	
PH 224: Environmental Epidemiology		Cisneros		Cisneros	
PH 227: Advanced PH Research	Brown		Brown		Brown
PH 235: Pesticides, Health, Envir.				Joyce	
PH 236: Vector Ecology for Public			Joyce		Joyce
PH 241: Public Health Genetics	Wooding		Wooding		Wooding

Table 10. Teaching requirements for Public Health faculty *

	2016/17	2017/18	2018/19	2019/20	2020/21
Brown	PH 105 PH 112 PH 227	PH 105 PH 205 PH 222	PH 105 PH 112 PH 227	PH 105 PH 205 PH 222	PH 105 PH 112 PH 227
Cisneros	PH 01 PH 110 PH 204	PH 01 PH 115 PH 224	PH 01 PH 110 PH 204	PH 01 PH 115 PH 224	PH 01 PH 110 PH 204
Goldman-Mellor	PH 100 PH 202	PH 100 PH 202 PH 205	PH 100 PH 100 PH 202	PH 100 PH 202 PH 205	PH 100 PH 100 PH 202
Gonzalez	PH 05 PH 111 PH 203	PH 05 PH 111 PH 221	PH 05 PH 111 PH 203	PH 05 PH 111 PH 221	PH 05 PH 111 PH 203
Joyce	PH 137 PH 208b	PH 110 PH 208b PH 235	PH 137 PH 208b	PH 110 PH 208b PH 235	PH 137 PH 208b
Ramirez	PH 102 PH 103 PH 208a	PH 103 PH 206 PH 208a	PH 102 PH 103 PH 208a	PH 103 PH 206 PH 208a	PH 102 PH 103 PH 208a
Wooding	PH 135 PH 181	PH 181 PH 241	PH 135 PH 181	PH 181 PH 241	PH 135 PH 181
Prevention Sciences Hire	PH 108 PH 201 PH 207	PH 108 PH 201 PH 223	PH 108 PH 201 PH 207	PH 108 PH 201 PH 223	PH 108 PH 201 PH 207
Staff	PH 01 PH 05 PH 100 PH 102	PH 01 PH 05 PH 100 PH 102	PH 01 PH 05 PH 100 PH 102	PH 01 PH 05 PH 100 PH 102	PH 01 PH 05 PH 100 PH 102

courses) and 13 courses offered as part of other graduate programs, including from Psychology (PSY 202c, 208a, 208b, 206, 220, 221, 224, 225, 230, and 280; SOC 230 and 245, and ES234). While the decision of when to teach these other elective courses will be made by the other graduate programs, the majority have been offered regularly in the past. Given that students are required to take 6 elective courses from a possible 23, there are sufficient options for the students. In order to demonstrate that there are sufficient teaching resources to provide the graduate program, the table below summarizes the potential course offerings under the conservative assumption that there are no additional ladder ranked faculty lines between 2015 and 2020. The title of the course is provided along with a column indicating whether or not the course is a required or elective course in the program and the instructor(s) expected to teach the course. All courses will be approved at prior to the anticipated offering. In this way, we can ensure that the courses have ample time to be reviewed by the Academic Senate’s Graduate and Research Council and UC Merced’s Registrar. Catalog descriptions of

Table 11. Public Health Ph.D. Program Resource Requirements

	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
FTE Faculty	2 hired (Goldman-Mellor and Wooding)	1 new hire (Prevention Sciences) (Note: already approved)	1 new hire (Health Disparities/Promotion)	1 new hire (Environmental Epidemiology)	1 new hire (Health Services Research)	1 new hire (Prevention Sciences)
Library Acquisition		\$40,000 to \$45,000 per year	\$40,000 to \$45,000 per year	\$40,000 to \$45,000 per year	\$40,000 to \$45,000 per year	\$40,000 to \$45,000 per year
Computing Costs	Shared computer lab	Shared computer lab	Shared computer lab	Shared computer lab	Shared computer lab	Shared computer lab
Equipment	--	--	--	--	--	
Space and other capital facilities	Graduate student work space	Graduate student work space	Graduate student work space	Graduate student work space	Graduate student work space	Graduate student work space
Other operating costs	--	--	--	--	--	

all courses are in Appendix D and sample syllabi for three substantive courses are included in Appendix E1. In order to ensure adequate coverage of material, consistency in the program, and high standards, all faculty will be asked to submit syllabi to the Graduate Studies Committee.

Section 6: Resource Requirement

At this time, the six graduate students studying Public Health are doing so under the Social Science Graduate Group umbrella. Once the Public Health Graduate Group is approved, the Social Sciences Graduate Group will no longer offer a track in Public Health. Therefore, the public health faculty and graduate students associated with the Social Sciences Graduate Group will be transferred to the new graduate program in Public Health. The administration of the current program is provided by the Dean of SSHA, and will continue once the Public Health Graduate program is approved.

6.1 FTE Faculty

The proposed graduate program can be offered with the existing resources at UC Merced. As shown in Table 1, under the conservative assumption that we have no need faculty lines in the future and only those faculty fully associated with Public Health serve as primary supervisors (8.5 FTEs), there is sufficient capacity to offer the undergraduate and graduate courses, and to provide adequate supervision to graduate

students. That said, the program can expand with additional resources.

While the number of new faculty lines will ultimately depend upon the success of the undergraduate program, the number of quality graduate students we can attract, and the outcome of the Strategic Focusing Initiative, our hope would be to hire one new faculty per year for the next 4 years. This would bring the number of FTEs with a primary affiliation with Public Health to 12.5 and enable us to expand the program offering in other areas (e.g., Environmental Health and Health Services Research). As per our strategic plan, we would look to hire a researcher with an expertise in health promotion and health disparities (to start 2016/17), an environmental epidemiologist (to start in 2017/18), a health services researcher with an expertise in health policy (to start in 2018/19), and an additional hire in Prevention Sciences focused on working with communities groups to stem infectious diseases (Table 11).

Funds for new faculty lines, and for associated startup costs, are allocated by the Provost through the strategic planning process, with consultation by pertinent UC Merced Academic Senate committees.

6.2. Library Acquisition

The current library holdings need to be expanded to support health-related faculty research. Judging by the number of faculty affiliated with HSRI (77 as of December 2014), there is currently significant demand for additional health-related resources irrespective of the needs of Public Health graduate students. All faculty and health-related graduate students, including those in Health Psychology, Public Health, and Molecular and Cell Biology, would benefit from an expansion of the library resources.

As shown in Table 11 and documented in Appendix C in the letter from Jim Dooley dated August 4, 2014, the cost of additional library holdings is estimated to be between \$40,000 to \$45,000 per year. This is based on a review a list of journal holdings provided by the public health library at UC Berkeley and estimate that the annual subscription cost for access to journals in support of public health and health psychology, and a subscription to the Journal of the American Medical Association (JAMA) and New England Journal of Medicine (NEJM). Mr. Dooley states that UC Merced has been provided gratis access to Mary Ann Liebert journals since the campus opened. If this changed, the cost could be as much as \$5,000 per year. Finally, the acquisition of e-books and reference works from health-related societies and commercial publishers could cost \$5,000 per year.

6.3 Computing Costs

Public Health graduate students currently have access to computers in the Graduate Computing Lab for coursework and research. Cost savings might be achieved by establishing graduate computing labs that are shared across disciplines. Faculty in many disciplines including Public Health, sociologists, political scientists and psychologists, in particular, often use similar software, including statistical packages. No new resources are required regarding university-wide computer resources. Each incoming faculty member will require a personal computer and specialty software for their office. Those resources will be obtained as part of the normal startup costs allocated to the University for the recruitment of new faculty.

6.4 Equipment

Public Health Graduate Group faculty have varying equipment needs for their research. We expect these needs to be met with the normal start-up packages allocated to the University for the recruitment of new faculty. As a result, no additional resources will be needed with respect to equipment.

6.5. Space and Other Capital Facilities

Public Health requires one office per faculty member. Graduate students currently have access to shared office and/lab space (SSM 343, 343a, and 305) and a secure room for data (SSM 344). In addition, there are four cubicles dedicated to the current Public Health graduate students. Taken together, there is sufficient space to house our projected number of graduate students between now and 2020. Space is also available at the Castle Facility for faculty and graduate students who require experimental laboratory facilities. Graduate students also have access to the computing facilities available to all students at UC Merced.

6.6. Other Operating Costs

Staff support for graduate students in Public Health is coordinated by Mr. Mitch Ylarregui. Mr. Ylarregui and his staff currently administer all programs housed under SSHA. As the current coordinator for the Social Sciences Graduate Group, it is expected that Mr. Ylarregui will become the coordinator of the Public Health Graduate Group. Other administrative assistance will continue to be provided by the SSHA Dean's Office. Assistance with Graduate Program assessment is provided by Angela Krueger, the UC Merced Substantive Change and Graduate Assessment Coordinator.

Section 7: Graduate Student Support

Our goal is to only admit graduate students who we have funds to support, including fees, stipend and health insurance. Our aim to provide five years of support for each graduate student accepted into the doctoral program, which is the typical package offered to incoming graduate students in peer universities.

To date, of the 6 Public Health graduate students, 2 have been self-funded (their choice), 1 has received a graduate fellowship from the Robert Wood Johnson Foundation, 2 have been funded through a combination of graduate research assistantships (funded by grants through the California Department of Public Health, the California Endowment, and from HSRI) and teaching assistantships, and 2 have been funded solely through teaching assistantships. At present, Public Health courses have been 5 and 7 TAs per semester, with the additional TAs being filled with Psychology graduate students.

Currently, the policy for funding a SSHA course is that they must have an enrolment of 80 or above. However, at the present time, the Provost has agreed to fund all graduate students enrolled in Ph.D. programs at UC Merced. As a result, all graduate students in good standing receive support from UC Merced.

Table 12. Projected undergraduate enrolments and TAs per semester

	2016/17		2017/18		2018/19		2019/20		2020/21	
	F	S	F	S	F	S	F	S	F	S
<i>Undergraduate courses</i>										
PH 01: Intro. to Public Health	80	80	120	120	160	160	160	160	160	160
PH 05: Global Public Health	80	80	120	120	160	160	160	160	160	160
PH 100: Epidemiology	160	160	200	200	200	200	200	200	200	200
PH 102: Health Beh. & Prom.	80	0	160	0	160	0	160	0	160	0
PH 103 Health Communication	0	80	0	160	0	160	0	160	0	160
PH 108: Intro to Health Care	80	0	80	0	120	0	120	0	120	0
PH 105: Intro to US Healthcare	0	160	0	200	0	200	0	200	0	200
PH 110: Environmental Health	80	0	80	0	80	0	80	0	80	0
PH 111 Social Epidemiology	0	120	0	0	0	160	0	0	0	160
PH 112 Health Ser. Res.	0	0	0	160	0	0	0	160	0	0
PH 113: Latino & Imm. Health	0	0	0	80	0	0	0	80	0	0
PH 115 GIS Mapping	0	0	25	0	0	0	25	0	0	0
PH 135 Public Health Genetics	0	0	0	80	0	0	80	0	0	0
PH 137: Insects & Public Health	80	0	0	0	80	0	0	0	80	0
PH 181: Public Health Research	0	50	0	50	0	50	0	50	0	50
PH 185: Health and Bioethics	0	0	35	0	0	0	35	0	0	0
<i>Number of students (summed across all classes)</i>	640	730	820	1170	960	1090	1020	1170	960	1090
<i>Number fulltime students (No. of students/7 courses)</i>	91	104	117	167	137	156	146	167	137	156
<i>Number of TAs per 80 students (No. of students/80)</i>	8	9	10	15	12	14	13	15	12	14
<i>Number of TAs per 40 students (No. of students/40)</i>	16	18	21	29	24	27	26	29	24	27

Under the conservative assumption that this policy of providing all graduate students in good standing with TA positions does not continue, then number of teaching assistantships that will be available in the future depends on two factors: Course enrolments and the available funding from the Graduate Division and the Dean of SSHA. As described above, although Public Health is a new undergraduate major, its rapid rise to one of the most popular minors on campus suggests that demand for the major will be strong. In addition, several of the introductory courses are general education courses, meaning that they can also expect higher enrolments. Using the projected growth in undergraduate majors shown in Table 1 (from 80 in 2016/17 to 180 in 2019/20) and the projected course offerings at the undergraduate level (Table 9), we can expect approximate 600 students in Public Health classes in the Fall of 2016 (Table 12), rising to over 1000 by the Spring of 2020. While these numbers are only approximate and dependent upon student

demand, they are reasonable assumptions given the enrolment patterns in our courses prior to the introduction of the major and during the first semester of the major being offered.

The number of TAships that are available will depend upon the level of available funding from the Graduate Division and the Dean of SSHA. As shown in Table 12 (Projected number of TAs per 80 students (No. of students/80), under the conservative assumption that there are no increases in the number of ladder ranked faculty or course offerings, the number of TAships that would available will vary from 8 in the Fall of 2016 to 14 or 15 by 2020. With our projected enrolments of 26 students by 2020 (Table 1), this would mean that faculty would have to find grant funding for 10 or 11 students. Alternatively, if the funding ratio was lowered to a TA per 40 students, then the number of TAships would range from 16 to 27, sufficient to cover our projected enrolments.

A major issue in funding graduate students throughout the UC system is non-resident tuition fees. These fees are substantial (over \$10,000 more than resident fees), and are applied to all non-California US citizens in their first year of graduate school and all non-US citizens for all pre-candidacy years of graduate school. Most Public Health students are likely to be US citizens. However, there may be exceptions and we anticipate admitting increasing numbers of non-California students in the future. We expect to draw on Graduate Division awards of Non-Resident Tuition fellowships for these students. University of California policy allows a waiver of Non-Resident Tuition for two years following advancement to candidacy for international students. The proposed program structure ensures that students will finish their Ph.D. within this timeframe.

Section 8: Governance

The Public Health Graduate Group will administer the Public Health Ph.D. program. The proposed graduate bylaws are included in Appendix B.

Section 9: Changes in Senate Regulation

This proposal requires no changes in Senate Regulations at the Divisional level or in the Academic Assembly.

Appendices

Appendix A:	Faculty Curriculum Vitae
Appendix B:	Public Health Graduate Group Bylaws
Appendix C:	Letters of Support
Appendix D:	Public Health Graduate Courses
Appendix E1:	Public Health Graduate Course Sample Syllabi
Appendix E2:	Public Health Dissertation Syllabus
Appendix E3:	Second Year Thesis Rubric
Appendix E4:	Public Health Qualifying Examination Rubric
Appendix E5:	Public Health Dissertation Rubrics
Appendix E6:	Student Progress Report Form
Appendix F :	CPEC Information

Appendix A Faculty Curriculum Vitae

SEE ATTACHED

Appendix B: Public Health Graduate Group Bylaws

Ph.D. in Public Health Bylaws

Administrative Home: Psychological Sciences

Revision date(s): December 10, 2014

Graduate Council Approved: pending

Article I. Objective

- A. Degree(s) offered by the program: Ph.D., M.S, in Public Health

- B. Discipline: Public Health is a multidisciplinary area of research and study that focuses on measuring, understanding and improving the health of the population, including assessing the health needs of vulnerable populations, understanding the causes and determinants of health challenges and problems, and identifying ways to improve the public health system and the health of the population. Public Health study focuses on five core areas - epidemiology, statistics/biostatistics, health services research, social and behavioral health, and environmental Health. The principal area of our Public Health program is Prevention and Population Sciences, an area that includes research that addresses health issues facing vulnerable populations such as chronic and infectious diseases. Other areas may be added by vote of the Public Health Graduate Group (hereafter referred to as the Group), in which case Article I should be amended accordingly.

- C. Mission of the Programs: The mission of the Group is to provide students with the experience and training they will need to eliminate health disparities and improve the health of vulnerable populations. Our goals are to (i) attract high-quality graduate students who are interested in conducting research relevant to underserved and vulnerable populations, (ii) provide world- class training in research aimed at preventing chronic/infectious diseases, promoting healthy development in underserved and diverse populations, (iii) provide training in multidisciplinary research and in translating and disseminating the research to diverse groups, including community members and organizations, healthcare providers, and policy makers, and (iv) successfully place graduates in tenure-track jobs in academia, or research positions in industry, government, or non-governmental organizations, in conformity with the policies and procedures of the Graduate and Research Council and the Graduate Division of the Merced campus of the University of California.

Article II. Membership

- A. Criteria
Membership is independent and separate from academic program appointments. Members must be Academic Senate Faculty or hold an appropriate academic title (including affiliated members from other UC campuses and adjunct faculty from other institutions). Because Public Health is a multidisciplinary course of study, membership is open to all UC Merced ladder faculty and

faculty members from other universities who meet all of the following criteria:

(1) Hold an appropriate University of California academic title as (a) a member of the Academic Senate of the University of California, (b) Adjunct Professor, (c) Professional Research Series, or (d) Cooperative Extension Specialist; or hold an equivalent title outside the University of California system.

(2) Have an active program of research or scholarship in Public Health or a related area commensurate with the expectations of the University of California.

(3) Be approved by a majority vote of the Group.

B. Types

All members of the Group are Core Members; there are no Affiliate Members. Core Members of the Group faculty will contribute to the training and mentorship of graduate students in the Graduate Program. They will serve as graduate student advisors and members of Faculty Advisory Committees, participate in the planning and development of graduate courses and other facets of the graduate program, contribute to the assessment of the program's learning outcomes, and attend graduate program meetings.

Any existing Group member can nominate a faculty member for consideration as a new member of the Group. The vote will be open but can be converted to secret ballot vote upon any Group member's request. Upon obtaining a majority vote in favor, the Graduate Group Chair will extend an invitation to the candidate to become a member of the Graduate Group. The membership will be reviewed at the first meeting of the academic year and voted on by the Group members. Group members are expected to

(i) contribute to the program's strategic development,

(ii) participate fully in Graduate Group meetings, and

(iii) be the (a) primary supervisor for at least one Public Health graduate student or (b) the secondary supervisor for at least two Public Health graduate students if deemed appropriate to their research expertise.

Requirement i and ii may be waived for individuals who are on sabbatical or university approved leave. Requirement iii may be waived for individuals whose appointments do not allow for student mentorship or whose research interests do not match current student interests.

Materials will be evaluated by the Graduate Group Chair for the appropriateness of the appointment to the Group. At the Chair's discretion, an ad hoc committee may be appointed to solicit input from the Graduate Group and provide a recommendation. Applicants will be admitted to the group if their applications receive a majority vote of the Group Faculty.

C. Voting Rights

All voting privileges pertaining to the Group are restricted to Group members.

D. Review of Membership

Continued membership in the Group will be based on active participation in the program, to be judged based on the following kinds of activities:

(1) An active public health research program indicated by significant publication in the principal peer-reviewed journals of the field during the past three years.

(2) A significant contribution to graduate mentorship and training by either advising a student participating in the faculty member's research program or by formal graduate teaching through research seminars and courses.

(3) General contribution to graduate research training through (i) participation in the management of the Group on one of its standing committees, or (ii) through service on the Graduate and Research Council as a representative of the Group, or (iii) through participation in or service on student or other school or university committees as a representative of the Group.

Faculty will remain as a member of the Graduate Group as long as he or she has passed his or her most recent regular personnel review process at UC Merced with the outcome being awarded a merit advancement or, in its place, a promotion in the past three years. By vote of the Group, a faculty member may be removed from membership in the Group by virtue of failing to meet the criteria for continued membership in the Group. Members may also be removed by two-thirds vote of the Graduate Group faculty. A motion for such a removal must be proposed by a Group faculty member in writing at least two weeks prior to the vote; and the member being proposed for removal must have the opportunity to respond in writing but must do so in the two week time period before that vote.

E. Membership Appeal Process

Anyone who is denied membership, or who is removed from membership, and wishes to appeal the decision may submit an appeal in writing and/or attend a meeting of the Group Faculty to discuss the decision. If those procedures do not result in a satisfactory outcome, the person may appeal to the Dean of the Graduate Division. Applicants denied membership or renewal of membership may make a final appeal to the Dean of Graduate Division.

Article III. Administration

The Dean (referred to as Lead Dean) providing oversight and resources for the Group will be elected by a simple majority vote of the Graduate Group members. This appointment must be renewed by vote every five years or less. [By unanimous vote the Dean, School of Social Science, Humanities and Arts was named Public Health Graduate Group Academic Dean starting July 1, 2009]. The Group will elect a Graduate Studies Committee Chair.

Article IV. Graduate Group Chair

A. Nomination Process

A member of the Group who holds an Associate or Full Professorship at UC Merced (or equivalent standing) will be nominated for Chair by the Faculty and recommended to the Dean of the Graduate Division, who makes the appointment. Group Faculty may nominate themselves as Chair or be nominated by other Group Faculty. Election of Graduate Group Chair-nominee shall be by majority vote. If more than two candidates have been nominated to this position, the two candidates having received the most votes in a preliminary voting round will be voted on in a final round, such that a simple majority determines who will be nominated. That nomination is then forwarded to the Dean of the Graduate Division.

The election of the Graduate Group Chair-nominee is repeated at the start of every academic year, resulting in either a re-nomination of the same faculty member or nomination of a new faculty member for Graduate Group Chair. In practice, the same person is typically re-nominated if he or she has been doing a satisfactory job, because there is a steep learning curve for anyone who is appointed as Graduate Group Chair.

B. Duties of the Chair:

- Oversee the progress of graduate students through the program, including satisfaction of degree requirements and advancement to candidacy, in coordination with group advisors, faculty and staff;
- Represent the group faculty in all matters related to the degree program(s) to the lead dean, the graduate dean, Graduate Council, and School Executive Committee(s);
- Determine resource needs and administer program budget, in consultation with group faculty, lead dean, and graduate dean;
- Oversee graduate student recruitment, graduate program website, admissions, and financial aid, in consultation with group faculty, lead dean, and graduate dean;
- Determine graduate course offerings each semester, including curriculum changes, in consultation with group faculty, and school staff and faculty involved in course scheduling and teaching assignments;
- Determine graduate course resource needs for equipment, staff support, and other resources, in consultation with faculty and lead deans;
- Serve as graduate group Faculty Accreditation Organizer by overseeing annual program assessments and periodic program review, to monitor and maintain academic excellence;

- Consult with deans in selecting and reviewing graduate support staff;
- Coordinate participation of the graduate group in School and University program activities, including graduate student fellowship and award programs;
- Develop and maintain a plan for promoting diversity among matriculated graduate students;
- Manage and respond to program feedback and inquiries from faculty, students, staff, and reviewers;
- Approving committees that review a graduate student's completion of formal requirements, including committees examining a graduate student's Pre-Candidacy Project, Qualifying Exam, and Dissertation;
- Preparing recommendations for Teaching Assistant employment and class assignments;
- Monitoring that each student in the Graduate Group meets all academic requirements and maintaining records of such for each student. Included in this responsibility is chairing the yearly review of progress for all graduate students at the end of the spring semester. Note that the ongoing advising for and monitoring of a graduate student's progress is the responsibility of that student's Faculty Advisor.

C. Vice Chair

The Public Health Graduate Program will have a Vice Chair. The duties of the Vice Chair are i) to support the Chair, ii) preside over the Group meetings in the Chair's absence, and iii) along with the Chair, act as the administrative liaison between the Group and the relevant academic Dean, the Graduate Council, the Division of Graduate Studies, and other campus units. The election of the Vice Chair-nominee is repeated at the start of every academic year, resulting in either a re-nomination of the same faculty member or nomination of a new faculty member.

Article V. Committees

1. Executive Committee

The administration of the Graduate Group and its activities will be vested in the Graduate Group Executive Committee (GGEC) consisting of the three elected members (a member plus the Group Chair and Vice-Chair). The GGEC will be chaired by the Graduate Group Chair, who holds regular voting privileges. It is the responsibility of the Graduate Group Chair to voice the results of GGEC deliberations to pertinent academic and research administrative units, the Dean of the Graduate Division, and to the Lead Dean. The GGEC may choose to not constitute a particular committee described below as a separate body, in which case the GGEC will assume the responsibilities of that committee. Committee formation and appointments will be reviewed on an annual basis.

A special duty involving the GGEC will be to hear student grievances. When hearing student grievances the GGEC will add one tenured UC Merced faculty member not associated with the Group to participate in the process and all votes pertaining to the grievance. This is to enhance the impartiality of a process when grievances are filed about a colleague of members of the GGEC.

The Graduate Group Chair will propose five such external candidates and the student filing the grievance may choose to remove up to two candidates from further consideration. A GGEC member who is a member of a committee against which a student is filing a grievance will recuse himself or herself from the review process, but may be interviewed by the remaining committee members as part of the information gathering process.

Students have the right to pursue grievances with the GGEC, which will assemble, review pertinent information, and provide a written summary to the Graduate Group Chair within 30 calendar days of the student grievance. Extensions may be granted in writing by the Graduate Group Chair when warranted by key parties on either side of the grievance (e.g., extended travel obligations, illness). The GGEC will rule on the case. Students have the right to appeal this ruling to the Dean of the Graduate Division within 30 calendar days. The Dean of the Graduate Division may request that the Lead Dean and/or other appropriate parties investigate the student's concerns or grievances and determine appropriate resolutions. Ultimately, the final resolution of all disputes lies with the Dean of the Graduate Division as described in UC Merced's Graduate Advisors Handbook. In the event that the dispute involves the Dean of the Graduate Division in her/his role as a faculty member, then the final resolution of all disputes resides with the Executive Vice Chancellor.

2. Graduate Curriculum and Education Policy Committee

The Graduate Curriculum and Education Policy Committee shall consist of the three elected members of the GGEC and a student representative selected by the Public Health graduate student organization. Elected members of the GGEC may choose to delegate this responsibility to another faculty member, subject to approval of the GGEC. One of these Committee members is chosen by the members of the Committee to be the Graduate Curriculum Committee Chair for a one year term at a time.

The function of the Graduate Curriculum and Education Policy Committee will be to take whatever action is necessary to act on behalf of the Group during the year to define and implement the program leading to the Ph.D. degree. The Committee is charged with establishing and maintaining documentation on the Public Health Graduate Group curriculum, and the Committee will periodically prepare for system reviews of the Public Health Graduate Group, including the seven-year review.

The Committee, in consultation with the Group Faculty, will coordinate and document proposed changes in programmatic requirements of the Group program, and present proposed changes to the voting body, and the Graduate and Research Council if required. All changes to the programmatic requirements of the Group curriculum and associate requirements must be approved by vote of the eligible Group Faculty.

3. Admissions/Fellowships Committee

The Admissions/Fellowships Committee shall consist of consist of the three elected members of the

GGEC. Elected members may choose to delegate this responsibility to another faculty member, subject to approval of the GGEC. One of these Committee members is chosen by the members of the Committee to be the Graduate Admissions/Fellowship Committee Chair for a one year term at a time, so that someone is responsible for the timely review of graduate applications.

This committee is charged with the development of recruiting materials for the Graduate Group, reviewing recommendations for admissions, making recommendations for admissions to the Dean of the Graduate Division, and exploring graduate student support mechanisms.

Recommendations for graduate student admissions originate within each Group Faculty member. Such recommendations shall be made by the faculty member to the Graduate Admissions/Fellowship Committee. These recommendations will be reviewed by GGEC and rankings proposed for acceptance must be made by majority vote of Group faculty.

The Admissions/ Fellowships Committee also recommends the allocation of intramural financial assistance to the GGEC, who makes the final decisions or recommendations to an awarding body as appropriate. Recommendations for new and continuing student fellowships are also made to the Admissions/Fellowship Committee by faculty. The Admissions/Fellowship Committee forwards its recommendation the GGEC, who makes the final decisions.

Article VI. Student Representation

A student representative will be included in all deliberations that revolve around issues having to do with educational policy and curriculum. Students do not have voting privileges. The student representative will be elected by the current graduate students enrolled in the Public Health Graduate Group and appointed by the Graduate Group Chair. The student representative will serve a one-year term and may be re-elected for no more than one additional term.

The Chair of any committee with student members must excuse the student representatives from meetings during discussion about other students, applicants, personnel actions or disciplinary issues relating to faculty, during rankings of existing students for funding, for disciplinary issues related to students, and other executive session discussions at the discretion of a committee Chair.

Article VII. Faculty Advisors

A Faculty Advisor, who must be a member of the Group, will be recommended for appointment by the Graduate Group Chair in compliance with policies and procedures of the Graduate Division. The Faculty Advisor serves as the student's primary mentor, supervises most of his or her research progress, and normally serves as the Chair of the student's Faculty Advisory Committee. The Faculty Advisory Committee, in regular meetings and through individual contact, keeps track of the progress of the student and provides advice on how the student may best complete the requirements of the Program. Students work in consultation with the Faculty Advisor to create the Graduate Advisory Committee. The Faculty Advisor must approve the Graduate Advisory Committee, including any changes to

membership due to situations such as a faculty member leaving the University or a change in the student's direction of work. The Faculty Advisor also approves the Candidacy Committee and the Dissertation Committee. The Faculty Advisor, in the role of a mentor, plans strategies that will support the development of required competencies and provides ongoing, informal feedback regarding the student's progress. In addition, the Faculty Advisor conducts a formal evaluation of the student's progress in the program at least semi-annually.

Article VIII. Meetings

A. Notification of Meetings

The Graduate Program annual meeting will be held in at the end of the Spring semester. The Graduate Group Chair will call the meetings through email notifications. Notice of meetings must be distributed to all Graduate Group Faculty in residence at least three days prior to the meeting, and agenda items must be solicited. Group Faculty may choose to waive the three-day requirement by unanimous vote. Any faculty member can petition for additional meetings by submitting a request by email or in writing to the Group Chair. Faculty members are strongly encouraged to attend the annual meeting in person. If faculty are unable to participate in person, they are permitted to participate by tele/video conference. Minutes of meetings shall be distributed within ten days of the date of the meeting.

B. Order of Business for Meetings

N/A

Article IX. Quorum

Issues that require a vote of the Group Faculty need to have a 50% quorum present. Revisions to the Graduate Group Bylaws will require a 2/3 vote in favor; all other Group decisions will be determined by simple majority of those voting. Voting procedures shall follow the approved voting procedures of the Psychological Sciences Bylaw 55 unit.

Article X. Amendments

Amendments to the By-Laws require approval by two-thirds of the eligible voting members of the Group. Written notice of the proposed amendment shall be sent to each member at least three days prior to the meeting at which the amendment is to be discussed. Group Faculty may choose to wave the three-day requirement by unanimous vote. Voting procedures shall follow the approved voting procedures of the Psychological Sciences Bylaw 55 unit. All amendments must be submitted to Graduate and Research Council for review and final approval.

Appendix C: Letters of Support

C1. Letter From Jim Dooley re Library Acquisitions

To: Paul Brown

From: Jim Dooley

Re: Additional costs for health programs at UC Merced

Date: 4 August 2014

I have reviewed a list of journal holdings provided by the public health library at UC Berkeley and estimate that the annual subscription cost for access to journals in support of public health and health psychology to which we do not already have access to be approximately \$30,000 per year.

In addition, a subscription to the Journal of the American Medical Association (JAMA) will cost UC Merced \$3,300 per year and a subscription to the New England Journal of Medicine (NEJM) will cost an additional \$1,000 per year.

UC Merced has been provided gratis access to Mary Ann Liebert journals since the campus opened. The establishment of programs in health may well trigger a request that we pay our share to continue access to this package which could be as much as \$5,000 per year.

The acquisition of e-books and reference works from health-related societies and commercial publishers can be expected to cost at least \$5,000 per year.

According to feedback from faculty, currently available information resources in molecular and cell biology are adequate to support the growth of health programs.

Therefore, I estimate that the library will need a minimum of \$40,000 and possibly \$45,000 per year in initial additional funding to adequately support the information resources needs of health programs at UC Merced. This amount may be expected to increase in response to inflation and growth of the programs.

C2. Letter of Support from Dean Aldenderfer

September 5, 2014

TO: Kathleen Hull, Chair, Graduate Council

FROM: Mark Aldenderfer, Dean, SSHA

RE: Memorandum of support for the Public Health graduate studies proposal

I take pleasure in writing this memo in regard to the Public Health graduate studies proposal submitted to my attention. I have reviewed the document carefully, and offer my support to it.

My role as dean for this proposal review focuses primarily upon an analysis regarding the allocation of resources to assure the growth and viability of the program. For its successful development, the Public Health graduate program has requested support for new FTE. As documented in the proposal, existing laboratory and research space is sufficient for projected needs assuming each new faculty member receives a standard office. This will be no issue given the projected opening of COB 2 in 2016. It may be the case, however, that specific new hires will require more specialized space. In this instance, the Public Health program will negotiate with the dean regarding this requirement. As is well known, the campus now faces a serious shortage of spaces of all kinds, and while I as dean will do my utmost to accommodate any additional space needs of the Public Health program, the only true guarantee of this will be the success of the 2020 project. The Public Health program will require additional library resources, but this request is not one SSHA can satisfy as it lies beyond our remit. The dean's office will continue to support the graduate programs within the School. I anticipate that as new programs are proposed and come on line over the next six years, additional staff FTE will be hired to support these programs. Where these staff will sit (programs or dean's office) remains to be determined. However, I know that additional FTE will be required, and I plan to work aggressively to obtain them in my future strategic plans. We have had internal discussions about these plans within the School, and within the framework of the Strategic Workforce Initiative.

FTE requirements, present and future: As noted in the proposal, to launch the program, the number of current core Public Health faculty FTE (seven) is seen as sufficient. I concur. It is comparable in size to recently launched Ph.D. programs at UCM, including Sociology (nine) and Political Science (ten) and the proposed Economics graduate program (eight). Given this solid foundation, I see their long-term goal of having 12 FTE in the program by 2020 as reasonable and achievable. Given the growth of student interest in the program and potential synergies with a number of existing programs on campus, the need for additional FTE is clear. These new hires, will, of course, teach at the graduate level as well. Of special importance to the success of the

Public Health program is its clear synergy with other programs on campus, notably Psychological Sciences in SSHA and others in the School of Natural Sciences. All teaching requirements for the Public Health program can be met by these interdisciplinary connections and the planned growth in FTE of the program. However, it must be noted that there continues to be uncertainty regarding the process by which FTE will be allocated to programs in the near term. The Strategic Focusing Initiative will be launched in earnest in this academic year, and the Public Health program is well poised to compete in this arena given the emphasis UCM has placed on health-related programs. As noted in the proposal I have consistently sought to support growth in faculty numbers in my strategic planning for the School, and given the growth of the undergraduate program in Public Health and the potential for creating a unique graduate program, I will continue to advocate for Public Health in future planning efforts.

Appendix D: Public Health Graduate Courses

PH 201: Foundations of Public Health (4 units)

This course presents the theories and practice of Public Health research and its role in preventing chronic and infectious diseases. The course will highlight the responsibilities of public health researchers and practitioners, the role that Public Health research and practice play in improving the health of the population, and social context of health and health disparities in the US. The course provides an introduction to transdisciplinary approaches to the theory and practice of Prevention Science, including preventing maladaptive behaviors and promoting healthy lifestyles as it influences both chronic and infectious disease, with a particular focus on the chronic and infectious diseases facing the people in rural, underserved, and ethnically diverse regions.

PH 202: Epidemiology (4 units)

This course will introduce advanced principals and methods of epidemiology with the goal of teaching students to understand the distribution and determinants of disease in human populations. The course will also expose students to the epidemiology of diseases and conditions of current public health importance in the United States and internationally.

PH 203: Research Methods (4 units)

This course provides advanced training in mixed methods research for Public Health. Topics covered include identifying research questions that require contextual understandings, multi-level perspectives, and cultural influences, best practice toward employing quantitative research assessing magnitude and frequency of constructs and rigorous qualitative research exploring the meaning and understanding of constructs, best practice for the use of case studies and qualitative methods, how best to integrate methods to draw on the strengths of each, and ways to frame the investigation within philosophical and theoretical positions.

PH 204: Environmental Health (4 units)

This course introduces students to the principles, theories and methods of Environmental Public Health. The focus is on the interaction between people and the environment, including how to recognize, assess and control the impacts of the environment on people and how best to gauge the impacts of the environment on the health. This course presents a broad survey of the major environmental health issues, with particular attention paid to the impact of the environment on the vulnerable groups.

PH 205: Health Services Research and Policy (4 units)

The purpose of this course is to provide an advanced training in the theoretic foundations, tools, and techniques used by researchers to examine health services. We will focus on four topics: quality of care, access to services, and cost/expenditure on health services, and translation/dissemination of research. Our discussions and readings will cover analysis of routinely collected data, interpretation and presentation of results to stakeholders and implications for changing practice. Particular attention will be paid to the state

of the health services rural, underserved areas, and the effectiveness of various interventions designed to improve the effectiveness of these services.

PH 206: Health Communication (4 units)

This graduate seminar is designed to provide students with a critical understanding of the effects of mass media in promoting and impeding the achievement of public health goals. The course covers the design, implementation, and evaluation of mass media campaigns to promote public health goals, including theories and research on message design, audience analysis, and media influences on health. Students will develop the skills to use mass media strategically to advance public health policies and social change.

PH 207: Social and Behavioral Theory in Public Health (4 units)

This course will provide students with an understanding of the social, cultural, and environmental determinants of health-related behaviors. The course is divided into 2 sections: 1) Individual, Social, Cultural and Environmental Theories and 2) Community and Organizational Theories, Structural Change, and Policies. Students will gain an understanding of the importance of using theories and models to understand health behavior, conduct research, and change behaviors to reduce injury and disease.

PH 208a: Professionalization seminar (2 units)

This course is designed to acquaint early-stage graduate students in the core professional knowledge and skills central to the discipline and practice of Public Health, as well as the research areas of focus by faculty in Public Health, how Public Health is practiced by practitioners in the community, and the ways in which Public Health researchers can facilitate the translation of research to the community organizations, governmental bodies, and the wider public. The focus of this course is to expose students to the range of public health research and practice, especially as it relates to the prevention of disease in rural, underserved communities.

PH 208b: Professionalization seminar (2 units)

This course is designed to acquaint early-stage graduate students in the core professional knowledge and skills central to the discipline and practice of Public Health, as well as the research areas of focus by faculty in Public Health, how Public Health is practiced by practitioners in the community, and the ways in which Public Health researchers can facilitate the translation of research to the community organizations, governmental bodies, and the wider public. The focus of this course is to provide students with examples of transdisciplinary public health research and how research is disseminated to communities, healthcare providers, and policy makers.

PH 221: Social Epidemiology and Health Disparities (4 units)

The course explores how social forces affect human health and wellbeing by focusing on how interactions between social interactions, human activities, social conditions, social problems, and other social arrangements affect the health of the population. Particular attention is paid to differential health outcomes and the pathways through which social factors affect health for vulnerable populations.

PH 222: Program Design and Evaluation (4 units)

The course provides students with the theoretic basis for conducting different types of program evaluations, including needs assessment, formative research, process evaluation, monitoring of outputs and outcomes, impact assessment, and cost analysis. The focus will be on public health programs in the San Joaquin Valley designed to improve the health status of vulnerable populations. The course will require students to design and present research and evaluations for a program in the region.

PH 233: Qualitative Research Methods for Public Health (4 units)

The course reviews the types of qualitative research methods relevant to population health, emphasizing assumptions underlying various approaches. Course focuses on design, entree, ethics, data-gathering techniques (interviewing, observing), data recording and management. The course provides an introduction to data analysis, including issues in establishing plausibility, credibility, and adequacy. Particular emphasis is given to the utility of qualitative methods in the study of health issues in underrepresented and hard to reach groups.

PH 224: Environmental Epidemiology (4 units)

The course examines the epidemiological methods for designing, conducting and interpreting epidemiological studies of people that have been exposed to environmental agents (chemical and physical). The course provides students with training in methods to identify the attributable contribution to disease from environmental sources of exposure such as water contamination, air pollution, and climate change. The course will use existing datasets to illustrate the etiological linkages between environmental exposures and health status in particular populations, and how best to estimate the attributable burden of disease. Students will be required to produce a health impact assessment aimed at informing communities, healthcare providers, and/or policy makers on the environmental burden of disease.

PH 227: Advanced Public Health Research Analysis (4 units)

This course covers advanced topics in the analytic methods of public health research. The course content includes instrumental variable analysis, propensity score analysis, discrete choice analysis, and structural equation modeling.

PH 235: Pesticides, Health, Environment (4 units)

Course topics include the impact of pesticides on human health, toxicology, and symptoms of exposure to these products. Insecticides will be surveyed, along with their history and the development of biologically based products. Environmental health will be examined through investigating the impacts of pest control on air and water quality, and related to regional health issues and health disparities. Prevention of illness will be covered by review of safe work practices and existing policies. Additional topics include pesticide residues and food safety, organic agriculture, integrated pest management in schools, and alternatives to pesticides.

PH 236: Vector Ecology (4 units)

This course will survey insect and arthropod vectors which transmit diseases including Dengue fever, Chagas disease, Lyme disease, Malaria, and several others. The geographic distribution, abundance, and ecology of vectors will be examined. Recognizing disease symptoms and research for treatments of these conditions will be discussed. Ecological factors such as habitat alteration, urbanization, climate change and globalization which impact vectors will be explored. Additional topics include management and integrated pest management programs for these insects and arthropods.

PH 241: Public Health Genetics (4 units)

This course introduces graduate students in public health to the biology and societal implications of genes, inheritance, and health. The molecular underpinnings of trait inheritance and variation and their role in shaping health are surveyed, along with the basis of heritable similarities and differences between groups and populations. The societal role of genetics is also explored, via discussions of public perceptions of genetics, ethical dilemmas, and legal issues. Current resources available to professionals addressing these issues, and their prospective role as genetics gains momentum in the health arena, are covered to demonstrate practical opportunities for implementing gene-based approaches in public health.

PH 299: Public Health PH.D. Dissertation Research (2 to 12 units)

Research and writing of a PH.D. dissertation in Public Health.

ES 234: Air Pollution and Resources (3 units)

Chemistry and physics of atmospheric pollutants, urban air pollution, visibility, mitigation, and resource economics.

PSY 202C: Multivariate Analysis (4 units)

Introduction to analysis of data having multiple dependent variables. Topics include continuous multivariate distributions, multiple regression, multivariate analysis of variance, discriminant analysis, classification, canonical correlation, principal component analysis. Applications from clinical, cognitive, physiological, and social psychology. Computer methods.

PSY 206: Quantitative Methods for Reviewing Research (4 units)

Quantitative procedures (meta-analysis) for reviewing research findings; techniques for locating and coding research studies, calculating effect sizes, and analyzing study findings.

PSY 208A: Methods for Program Evaluation (4 units)

Introduction to program evaluation. Survey of the many methods used in program evaluation, including needs assessment, surveys, experiments, and qualitative methods. Discussion of policy and strategy issues, and of utilization of findings.

PSY 208B: Theory of Program Evaluation (4 units)

History and nature of program evaluation, review of different approaches taken to evaluation by variety of major theorists in the field; practice in evaluation.

PSY 220: Health Psychology (4 units)

A review of theory and research on how behavior affects health and disease as well as how disease affects behavior (e.g., cognitions, emotions, relationships) in humans. Research into behavioral interventions to improve, ameliorate, or prevent disease are also reviewed. Focus is placed on the role of behavior for the major diseases and threats to health in children, adolescents, and adults.

PSY 221: Issues in Health Psychology (4 units)

A survey of selected topics in health psychology not covered in PSY 220. This may include psychological perspectives on major chronic disease, quality of life in people with health conditions, pediatric psychology, aging and health, and the interface between public health and health psychology.

PSY 224: Health Disparities (4 units)

Disease prevalence, severity, and treatment varies across sociodemographic groups. Understanding why health disparities occur is key to determining how inequalities might be alleviated. The focus of this course is on research that a) describes health disparities, b) investigates factors that explain differences, and c) proposes interventions to treat at-risk populations.

PSY 225: Health Risk Decision Making (4 units)

A focus on the decision making process underlying health risk behaviors. Consideration of the role perceptions of risks/benefits, attitudes, emotions, social relationships, and the media play on health decisions, with an emphasis on decision making theories (e.g., rational choice theory, prospect theory, health beliefs model, and the theory of planned behavior).

PSY 230: Developmental Psychology (4 units)

The stages that children go through as they develop. Covers cognitive development, biological development, social development, personality development, emotional development, among others. Focus is on integrating across these different content areas.

PSY 280: Human Behavioral Genetics (4 units)

Explores the genetics of individual and group differences for a variety of traits (e.g., personality, health, learning, abnormal development, etc.). The necessary background in genetics and statistics will be provided through lecture and readings. Methodologies and their critical evaluation will be emphasized.

SOC 210: Graduate Statistics 1: Linear Regression Analysis (4 units)

Provides an introduction to statistics for graduate students. We will address the basics involved in manipulating and analyzing data, focusing on ordinary least squares (OLS) regression analysis. We will also discuss the assumptions behind the method, as well as interpretation of findings.

SOC 211: Graduate Statistics 2: Categorical Regression Analysis (4 units)

The second in a two course sequence in applied statistics. This course will cover categorical data analysis: regression models in which the dependent variable is categorical: binary, nominal, ordinal, and count.

SOC 230: Stratification (4 units)

This class will explore classical as well as recent theoretical and empirical developments in social stratification and inequality. Course topics will range from neoclassical economics, and human capital theory to more sociological approaches that emphasize the importance of social relationships and the structure of organizations and institutions.

SOC 245: Sociology of Health (4 units)

This course will critically examine how health and illness are defined and socially constructed, the medicalization of society, and the social control of medical practice. We will explore how disease and inequality are intimately linked, particularly how health varies by class, gender, and race.

Appendix E1: Public Health Graduate Course Sample Syllabi

Epidemiology (PH 202) Spring 2016 Syllabus

Course Information

Number: PH 202
Term: Spring 2016
4 Units

Instructor Information

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Office hrs: Thursdays 12-2

Course Description

This course is designed to introduce, compare, and apply conceptual frameworks, measures, study designs, and analysis approaches used in the field of epidemiology. Topics include causality, measures of disease, measures of association, study design (trials, cohort, case-control, cross-sectional and ecological), biases, screening, statistical inference, and analyzing epidemiologic data. Public health topics of relevance to the San Joaquin Valley will be drawn on for many of the course's examples. We will emphasize applications to public health practice for students intending to engage in, collaborate in, or interpret the results of epidemiologic studies in the scientific appraisal of community health.

Course Learning Objectives

At the end of this course, students will be able to:

1. Describe a public health problem in terms of magnitude, person, place and time.
2. Calculate core epidemiology measures, understand the major study designs, and apply the basic terminology and definitions of epidemiology.
3. Explain the major conceptual models of causality in epidemiology, and identify issues in epidemiologic study design and analysis that threaten causal interpretations of epidemiologic data.
4. Use appropriate statistical methods, including multivariate models, to analyze data from epidemiologic studies using cross-sectional, case-control, or cohort designs.

This course will help students achieve the following Public Health Track Learning Objectives:

- Breadth of knowledge in Public Health.
- Competency with contemporary social science methods used to conduct rigorous research on public health phenomena.
- The ability to initiate and conduct independent research that makes an original contribution to Public Health knowledge.
- Proficiency in the skills needed to participate in the intellectual and organizational aspects of the profession of Public Health.

Readings

Two textbooks are required for the course:

- Rothman, K.J., S. Greenland, and T.L. Lash. *Modern Epidemiology*. 3rd ed. 2012, Philadelphia, PA: Lippincott Williams & Wilkins.
- Szklo M, Nieto JF. *Epidemiology: Beyond the Basics*. 2nd ed. 2007, Sudbury, MA: Jones and Bartlett.

Other readings include selected chapters from other textbooks and journal articles. Any required readings that are not in the two required texts will be posted on the course website.

Problem sets

Problem sets will be posted on the course website for each topic covered in the course by 6pm on the Friday a week before their due date. Problem sets are “optional” in that they are not collected or graded. *However*, many examination questions will be similar to those in the problem sets and I strongly recommend that you complete all problem sets. Solutions to all of the problem sets will be posted on the website Thursday at 5pm the day before the discussion on that topic and the solutions will be reviewed as necessary at the end of that Friday’s class. Enrichment problem sets that involve use of statistical software (Stata) are also available for selected topics. These are provided purely for those who find them helpful. There is nothing uniquely covered in these statistical problem sets that will be on exams.

Exams

There are three in-class exams during the course. Exams will include material presented in both lecture and the required readings. The exams are cumulative (largely because the concepts covered in the class are cumulative) but will emphasize the material covered in the preceding third of the course. All three examinations are in-class and closed-book (no notes). You may bring a calculator but you may NOT bring a cellphone, calculator/PDA, or any type of SMS device. Exams are all graded blind – they are coded numerically and I will not know who completed each exam while we are grading, or at any time during the semester (unless you inform me – e.g., if requesting a mid-semester recommendation). Final grades are also assigned blinded.

Grades

Course grades are based on the three mid-term exams; the exams count for 1/3 each. Grades are assigned based on the overall performance of the class. Students earning points in the following percentage ranges (averaged across the three exams) will earn a grade at least as high as:

- A: 90-100%
- B: 80-90%
- C: 70-80%
- D: 60-70%
- F: <60%

Grades are required by the University and most of you will use them appropriately as a motivational tool. The focus of this course is on what you learn, not on your grade. Nobody (other than yourself) in three months or three years will or should care what your grade in an epidemiology course was; they will and should care about how well you are trained and what you have accomplished subsequent to the course using your epidemiology skills. Focus on maximizing your methodological training while you are here and the grading will not be an issue.

Academic Honesty

Students are expected to abide by the UC Merced campus-wide Academic Honesty Policy (see http://studentlife.ucmerced.edu/files/page/documents/academic_honesty_policy.pdf). Academic misconduct is a serious offense. Violation of these policies may result in a grade of “F” or 0 points for the assignment, or for more serious violations, a grade of “F” in the course, at the discretion of the instructor.

Special Needs

Any student who feels he or she may need an accommodation based on the impact of a disability should contact me privately to discuss his or her specific needs. Also contact Disability Services at (209) 228-6996 or disabilityservices@ucmerced.edu as soon as possible to become registered and thereby ensure that such accommodations are implemented in a timely fashion.

Course Schedule

Date	Day	Topics
January 19	Tuesday	Introduction
January 21	Thursday	History of epidemiology
January 26	Tuesday	Causality
January 28	Thursday	Measures of disease
February 2	Tuesday	Measures of disease
February 4	Thursday	Measures of association
February 9	Tuesday	Measures of association
February 11	Thursday	Study design overview
February 16	Tuesday	Cohort studies
February 18	Thursday	Cohort studies
February 23	Tuesday	Review
February 25	Thursday	EXAM 1
March 1	Tuesday	Experimental trials; Case-control studies
March 3	Thursday	Case-control studies
March 8	Tuesday	Cross-sectional & ecological studies
March 10	Thursday	Information bias

Date	Day	Topics
March 15	Tuesday	Selection bias
March 17	Thursday	Confounding
March 22	Tuesday	<i>No class – Spring Break</i>
March 24	Thursday	<i>No class – Spring Break</i>
March 29	Tuesday	Effect modification
March 31	Thursday	Matching; Review
April 5	Tuesday	EXAM 2
April 7	Thursday	Screening
April 12	Tuesday	Statistical inference
April 14	Thursday	Sample size, power
April 19	Tuesday	Analyzing epidemiologic data
April 21	Thursday	Analyzing epidemiologic data
April 26	Tuesday	Meta-analysis/systematic reviews
April 28	Thursday	Meta-analysis/systematic reviews
May 3	Tuesday	Course wrap-up
May 5	Thursday	EXAM 3

Health Services Research and Policy

Coordinator: Paul Brown, Public Health
Email: pbrown3@ucmerced.edu
Office hours: Wed 1.00 – 3:00 and other times by appointment
Office: Social Sciences & Management (SSM) 363B
Class times: Friday 9 to 12
Classroom: SSM 100

Health services research has been defined as a “transdisciplinary field of scientific inquiry that studies how social factors, financing systems, organizational systems processes, health technologies and personal behaviors affect access to care, the quality and cost of health care, and, ultimately our health and well being.” But health services research differs from other areas of research in that there is a conscious effort made to ensure that the research translates into changing practice. That is, an explicit goal of health services research is to make the results pertinent to stakeholders, be they policy makers, clinicians or the public, so as to have a positive impact on the delivery of health services to the public.

The purpose of this course is to provide an introduction into foundations, tools and techniques used by researchers to examine health services. We will focus on four topics: quality of care, access to services, and cost/expenditure on health services, and translation/dissemination of research. Our discussions and readings will cover analysis of routinely collected data, interpretation and presentation of results to stakeholders and implications for changing practice.

Course Learning Goals:

This course aims to accomplish the following objectives:

1. familiarize students with the conduct and use of health services research,
2. give experience in analyzing and interpreting routinely collected data from health services,
3. discuss links between this research and the policy making environment,
4. foster critical thinking through discussion and analysis of some current policy issues in the US and internationally

Course Learning Outcomes:

At the end of this course, students will be able to demonstrate the following:

1. Define health services research as it relates to public health, and describe the roles and responsibilities of government, non-governmental organizations, and private citizens in health services research.
2. Use the theories and principles of health services research to define an issue relating to cost/expenditure, quality of care, or access to care.
3. Apply health services research methods to conduct rigorous research on health care issues.

4. Identify and analyze scientific data and other information to assess complex health care challenges.
5. Communicate effectively and persuasively, orally and in writing, particularly to convey complex concepts and information in a clear and concise manner.

Overview

Class will be a seminar style, with instruction designed to highlight the relevant issues being discussed. The typical class will involve the following format:

- 9:00 to 10:15 Presentation of materials
- 10:15 to 10:30 Break
- 10:30 to 12:00 Seminar discussion of relevant papers or demonstration of data analysis

Required Texts

There are no required texts. Readings will be assigned prior to class.

Graded Major Assignments

Paper: An 8-10 page integration and review of 3-5 empirical papers on a topic relevant to health services research. A draft paper will initially be due on 11/5 for a peer writing workshop held on 11/7. The final version incorporating feedback will be due on 12/12. More details are forthcoming. This will account for 50% of the final grade.

Presentation/Discussion: You will be responsible for leading a discussion on a topic relevant to your research. PowerPoint or similar is expected. More details are forthcoming. This will account for 50% of the final grade.

Class Attendance, Participation, and Assignments

You are expected to attend every class meeting in its entirety. If an absence is unavoidable, please contact the instructor as soon as possible. You are also expected to come to class prepared to participate in the discussion based on any assigned readings. Therefore you need to complete the assigned readings prior to class. Finally, you are expected to turn in assignments by due date *and time*. Problems in any of these areas will result in a reduction of otherwise earned grade.

Program Learning Outcomes

These goals and outcomes are congruent with Program Learning Outcomes stated for the Interdisciplinary Public Health minor and the guiding principles stated for UC Merced. The specific ways the course addresses these goals and principles are stated below.

- Scientific Literacy: Students will read and interpret theoretic and empirical studies from health services research on the organization and performance of the health care system;
- Decision Making: Students will understand the contribution of diverse factors on health care policy making;
- Communication: Students will convey the results of their research through class participation and class assignments;

- **Self and Society:** Students will understand the role of the health care system in improving the health and wellbeing of the population, the challenges societies face in delivering high quality health care, and the inequalities that can result;
- **Ethics and Responsibility:** Students will be exposed to the ethical issues associated with the trade-off being controlling the cost of health care, providing efficient health care services, and targeting services to reduce health inequalities;
- **Development of Personal Potential:** Students will apply the course material to developing ways to improve the delivery of health care services/reduce health inequalities.

Policy on Academic Integrity:

The University of California has outlined a general code of student conduct that can be viewed at <http://www.ucop.edu/ucophome/coordrev/ucpolicies/aos/uc100.html>. Also, go to http://admissions.ucmerced.edu/docs/ucm_policies.pdf for the UC Merced code of academic conduct. Chapter 8 outlines policies on academic honesty. All academic work is expected to be in compliance with this code.

In particular, any form of cheating is a serious offense. Cheating includes any attempt to defraud, deceive, or mislead the Professor or TA in arriving at an honest grade assessment. This certainly includes, but is not limited to, turning in an assignment that does not represent your work. Violation of these policies may result in a grade of “F” or 0 points for the assignment or exam, or for more serious violations, a grade of “F” in the course, at the discretion of the instructor.

Academic Assistance:

Professor Brown can help you understand the relevant course material and what is required of you in this course. Stop by during scheduled office hours to get help when you need it. However, if you need help more generally with your academic skills and approach to learning, please turn to the *Student Advising and Learning Center*, which has numerous resources that can be helpful to you (<http://learning.ucmerced.edu/student-advising-and-learning-center>).

Special Needs:

UCM provides individuals with disabilities reasonable accommodations to participate in educational programs, activities, and services. Students with disabilities requiring accommodations to participate in class activities or meet course requirements should contact the UCM Disability Services Center located in KL 109 (<http://disability.ucmerced.edu/>) to obtain assistance and coordination with this course. It is also helpful if you inform the Professor of your special needs, for example by stopping by during office hours or speaking with the TA.

Classroom Civility:

Each UCM student is expected to contribute to an environment during class that *promotes learning, dignity, and mutual respect for everyone*. Please consider how your behavior affects other students in the class as well as the Professor. In particular, students are expected to avoid at all times from:

- interrupting class by coming after instruction has started
- speaking at inappropriate times, which includes having conversations with others in class,
- engaging in loud or distracting behaviors,
- sleeping in class,
- taking frequent breaks,
- using cell phones or pagers in class,
- using computers for purposes irrelevant to this class (e.g., communications, web browsing)
- using inappropriate, including verbally abusive, language,
- displaying defiance or disrespect to others, or
- behaving aggressively toward others

Students who engage in these inappropriate behaviors may be asked to leave the class and may in addition be subjected to disciplinary action.

Semester Schedule

Date	Topic	Assignment/Reading	Instructor
8/29	Introduction to HSR	Go through online training in HSR http://www.nlm.nih.gov/nichsr/iHCM/index.html	Brown
9/5	Theoretic foundations of health services usage	Behavioral Medicine course starts https://www.edx.org/course/kix/kix-kibehmedx-behavioral-medicine-key-1527#.U_5edWPDVq1	Brown
9/12	Access to healthcare care		Brown
9/19	Quality of healthcare services		TBD
9/26	Cost/expenditure of healthcare services		Brown
10/3	Evaluation of healthcare services		Brown
10/10	<i>PICORI and Comparative Effectiveness research</i>		
10/17	<i>Analyzing state hospital data</i>	Presentation 1 in class	Kristynn Sullivan
10/24	Assessing quality in hospitals		

10/31	Assessing quality in primary care		
11/7	Sustainability of healthcare interventions	Submit draft of paper for peer review 11/7	
11/14	Dissemination and Implementation Science		
11/21	<i>Health policy</i>		
11/28	THANKSGIVING - NO CLASS		
12/5	<i>Final presentations</i>		Class members
12/12	<i>Final presentations</i>	Final papers due	Class members

Appendix E2: Public Health Dissertation Syllabus

Description

The dissertation is the final and central benchmark for graduate students in the Public Health Ph.D. program. The successful accomplishment of this benchmark is demonstrated through the production of a dissertation manuscript that presents an original research project and its results, along with an oral defense of the manuscript. The quality of the dissertation and the defense of it are evaluated by the Dissertation Committee in order to determine whether the graduate student has successfully completed this final benchmark for the Ph.D. degree. Graduate students should reference and submit the appropriate forms for finalizing their Dissertation Committee members prior to finalizing their Dissertation Proposal document. Likewise, graduate students shall submit the appropriate forms for scheduling both the Defense of the Dissertation Proposal document and the Defense of the Dissertation manuscript.

Learning Goals

Through the process of writing and presenting the dissertation manuscript, graduate students refine their understanding of processes and theories in the student's major area of emphasis, appropriate public health research methods, and competent written and oral communication of the research project. Overall, the graduate students demonstrate competency in all of the Program Learning Outcomes through their dissertation.

The Dissertation Proposal

The Dissertation Proposal serves three primary functions. First, it reviews the relevant literature and in so doing defines the area of inquiry of the proposed Dissertation. Second, it provides a clear statement of actionable research questions that will be addressed in the Dissertation. Third, it outlines the methodological and analytic approach that will enable the proposed research to answer the research questions.

The Dissertation Proposal should be approximately 20 to 30 double-spaced pages (not including references and appendices). It is advisable for a student to work with the Faculty Advisor until the student and the advisor deem the Dissertation Proposal of sufficient quality to pass to the Candidacy Committee. Optionally, graduate students are encouraged to share drafts of the proposal with members of the Candidacy Committee informally for their feedback and revisions prior to finalizing the Dissertation Proposal document. Candidacy Committee members should make every effort to provide such feedback in a timely fashion, but should inform the student promptly if they will be unable to provide such informal feedback. When the finalized Dissertation Proposal is submitted, the Candidacy Committee should have at least 7 days in which to review the Dissertation Proposal prior to the Proposal Defense Meeting.

While working on the Dissertation Proposal students must enroll in PH 299.

The Defense of the Dissertation Proposal

To schedule a Defense date, graduate students must consult with Candidacy Committee members to schedule a proposal defense meeting, at which all members of the committee must be present in person (or via conference call under extenuating circumstances such as a Candidacy Committee member being on sabbatical or at a distant site). Graduate students are responsible for securing a room for the Defense with a minimum of two hours for the meeting.

The proposal defense consists of an oral presentation of the proposed Dissertation research by the student, followed by questions from the Candidacy Committee and possibly other audience members. The student is tasked with responding to the questions clearly and coherently. This portion of the meeting is open to the public. Students are responsible for ensuring that announcement of the oral defense time and location is made in appropriate forums such as an email list serve or a Public Health bulletin board.

At the conclusion of the public portion of the defense, the student and the Candidacy Committee will excuse the public in order to discuss the proposal with the student in private. At the conclusion of committee questions, the graduate student leaves the room, allowing the Candidacy Committee members to deliberate on the readiness of the proposal. The Committee engages in discussion around the student's accomplishment of the Program Learning Outcomes through the Dissertation Proposal at the "advanced" level referencing the rubric. Based on the discussion, the Committee makes one of the following recommendations:

Pass: The proposal is passed and the student may commence with the proposed research.

Fail: The proposal requires major or minor revision.

If the committee recommends failure of the proposal, the student must revise the proposal in light of committee feedback and resubmit the proposal within three months. At that time, the student must reschedule the proposal defense and complete it satisfactorily before undertaking any dissertation research.

The Dissertation

Candidates prepare the manuscript under the supervision of the Faculty Advisor who requests revisions until s/he judges that the work is ready to be reviewed by the remaining Doctoral Committee members. Although there are no set criteria for dissertation length or content, students are expected to produce a body of work that contains a thorough review of the literature, novel theory, novel data collection and/or analysis, and at least three substantive chapters. One of two formats is typically used. Dissertations should be convertible to three related, but separable articles or one book. The format of the Dissertation manuscript should be approved by all members of the Doctoral Committee.

Once the dissertation document is complete in the opinion of the student and his or her Faculty Advisor, the Candidate circulates the Dissertation among Doctoral Committee members. The Doctoral Committee should provide crucial comments, possibly leading to another revision before the final submission and the scheduling of the Dissertation Defense. Doctoral Committee members should provide these comments in a timely fashion.

The complete Dissertation must be provided to the Doctoral Committee members at least 14 days prior to the scheduled defense.

The Defense of the Dissertation

The defense of the Dissertation is a capstone event in the student's graduate career. It consists of an oral presentation of the Dissertation manuscript by the candidate, followed by questions from the Doctoral Committee and possibly other audience members. The Candidate is tasked with responding to the questions clearly and coherently towards a rigorous engagement with the original research. This portion of the meeting is open to the public. Candidates are responsible for ensuring that announcement of the oral defense time and location is made in appropriate forums such as an email list serve or a Public Health bulletin board.

At the conclusion of the public portion of the defense, the Candidate and the Doctoral Committee will excuse the public in order to discuss the Dissertation with the Candidate in private. At the conclusion of committee questions, the Candidate is excused and the Doctoral Committee deliberates on whether to pass the Dissertation. The committee engages in discussion around the student's accomplishment of the Program Learning Outcomes through the Dissertation Proposal at the "mastery" level referencing the appropriate rubric.

At the conclusion of these deliberations, the Doctoral Committee shall vote on the question of whether both the written dissertation and the student's performance during the defense are of sufficient quality to warrant the awarding of a Ph.D. degree from the University of California. A unanimous vote is required to pass.

When all members of the Doctoral Committee have voted to award the degree they must sign the graduate division form [*Report on Final Examination for the Ph.D. Degree*](#), recommending conferral of the Ph.D., subject to final submission of the approved Dissertation for deposit in the University Archives (see *Graduate Advisor Handbook*, Section VII. H.8).

Appendix E3: Public Health Second Year-Thesis Rubric

Overall Score: Ph.D. Pass/Master Pass/Fail

Criteria	Score by Criteria	Comments / Feedback
Breadth: Demonstrates a understanding of Public Health within the context of current research	Ph.D. Pass Master Pass Fail	
Depth: Demonstrates an expertise in a specific subfield of Public Health and identify novel research questions within the context of current research	Ph.D. Pass Master Pass Fail	
Methods: Essay demonstrates an understanding of methods used in the literature and an ability to critique the selection and implementation of these methods.	Ph.D. Pass Master Pass Fail	
Communication: The essay thoughtfully argues a thesis in a clear, concise, and organized manner. The essay uses conventional grammar and syntax.	Ph.D. Pass Master Pass Fail	
Transdisciplinary research: Demonstrates an understanding of transdisciplinary approaches as it relates to the current research	Ph.D. Pass Master Pass Fail	
Translational research: Demonstrates an understanding of translational approaches to dissemination as it relates to the current research	Ph.D. Pass Master Pass Fail	
Research: The essay demonstrates an ability to generate ideas for new research projects by identifying limitations and flaws in existing work	Ph.D. Pass Master Pass Fail	
Professionalization: The essay reflects an understanding of the intellectual goals of the discipline and demonstrates an appropriately professional voice when critiquing research.	Ph.D. Pass Master Pass Fail	

Appendix E4: Public Health Qualifying Examination Rubric

Qualifying Examination rubric

The Qualifying Exam in Public Health consists of proposing, completing, and orally defending a substantial research paper. Completion of the written paper constitutes the written portion of the Qualifying Exam. This paper shall represent the student's field of specialization, prepare the student for the dissertation research, and be of *publishable quality*. As such the paper must be novel and advance knowledge in the field. It is expected to be longer than a typical course or seminar paper at 35 to 45 double-spaced pages in length, not counting references.

During the oral exam, at the discretion of the Candidacy Committee (CC), the student may first present a brief (10-15 minute) overview of the paper. The CC will then discuss the subject addressed in the review with the student. The student is expected to be able to answer questions on all aspects of the subject to the satisfaction of the CC. Following the completion of the oral exam, the CC makes a recommendation whether to pass the student on the Qualifying Exam. The CC recommendation is by majority vote with no more than one dissenting vote, leading to one of the following recommendations:

Pass: Oral and written portions of the Qualifying Exam are passed and the student may Advance to Candidacy.

Minor Revisions: The oral portion of the Qualifying Exam is passed and the written portion passed pending minor revisions, which must be approved by the Faculty Advisor and any CC member wishing to review such changes. The timeline for revisions will be determined by the CC at the time the decision is made.

Major Revisions: The oral or written portion of the Qualifying Exam is not passed. The student must revise the review paper in light of any CC feedback and resubmit the paper within 6 weeks to make and submit those revisions, and the CC will then have at least 14 but no more than 28 days to review the revisions. A second oral exam must then be held with the student, after which the CC makes a recommendation whether to pass the student on the Qualifying Exam. A failure to oral pass either the written or oral portion of this second exam must be addressed in the student's next Biannual Review Progress Report (see below), which must then involve the student's entire Faculty Advisory Committee. Any further examination must have the approval of the Graduate Dean.

The Qualifying Examination rubric is used to assess student learning as revealed in their writing and in response to questions during their oral examination.

Qualifying Exam

Criteria	Score	Comments
<p>1. Depth of knowledge in PH field.</p> <ul style="list-style-type: none"> • The research question(s) to be addressed is properly situated in the relevant literature • Theoretical arguments and hypotheses flow from and/or are consistent with previous studies • Student is able to verbally convey the originality and importance of the project in the context of the existing literature 	<ul style="list-style-type: none"> ○ Mastery ○ Advanced* ○ Introductory 	Document:
		Oral:
<p>2. Methods: Essay demonstrates an understanding of mixed methods used in reviewing and discussing the literature and an ability to critique the selection and implementation of these methods.</p> <ul style="list-style-type: none"> • Identify appropriate research designs for the question being addressed • Appropriate data is identified • Student clearly answers questions and convincingly discusses advantages and limitations of the methods used in previous studies 	<ul style="list-style-type: none"> ○ Mastery ○ Advanced ○ Introductory 	Document:
		Oral:
<p>4. Communication - Effective scientific communication skills, especially the ability to convey complex concepts and information in a clear and concise manner.</p> <ul style="list-style-type: none"> • Dissertation is clearly and precisely written so that it is fully understandable to public health researchers • Where appropriate, the dissertation makes good use of tables and figures to accurately summarize and convey information • Student clearly answers questions and convincingly discusses advantages and limitations of the method used 	<ul style="list-style-type: none"> ○ Mastery ○ Advanced ○ Introductory 	Document:
		Oral:

<p>5. Transdisciplinary research: Demonstrates an understanding of transdisciplinary approaches as it relates to the current research</p> <ul style="list-style-type: none"> • Student conveys an understand of transdisciplinary approaches and contributions other disciplines and approaches have made to addressing the public health phenomena • Student clearly answers questions and convincingly conveys role of transdisciplinary research in relationship 	<ul style="list-style-type: none"> ○ Mastery ○ Advanced ○ Introductory 	Document:
		Oral:
<p>6. Translational research: Demonstrates an understanding of translational approaches to dissemination as it relates to the current research</p> <ul style="list-style-type: none"> • Student discusses how previous studies have ensured results are translated and disseminated to stakeholders • Student clearly answers questions and convincingly discussions options for translating the finds of this study to stakeholders 	<ul style="list-style-type: none"> ○ Mastery ○ Advanced ○ Introductory 	Document:
		Oral:
<p>7. Professionalism - Proficiency in the skills needed to participate in the intellectual and organizational aspects of the profession of Public Health.</p> <ul style="list-style-type: none"> • Written work displays the qualities needed to participate in the profession of Public Health such as the methods and information are cohesively presented in a way that demonstrates fluency in disciplinary literature • Oral work displays the qualities needed to participate in the profession of Public Health such as the ability to freely but critically exchange ideas in a scholarly setting 	<ul style="list-style-type: none"> ○ Mastery ○ Advanced ○ Introductory 	Document:
		Oral:

Result:

Pass _____ *Fail* _____

* All 5 criteria should be reached at the Advanced level. A score of introductory on any criteria results in a failing score.

Appendix E5: Public Health Dissertation Rubrics

The Dissertation Proposal rubric is used to assess student learning as demonstrated in the Dissertation Proposal document and oral presentation of the document. Students receive a single score for both the document and oral portions for each criterion (PLO). Students also receive an overall score for the benchmark. During the closed session of Committee deliberation, the Committee agrees on one score for all six criteria and the overall outcome.

Committee members should consider:

- Are each of the sub-criterion present for the criteria (check off those which are present)?
- What comments does the student need in order to fully interpret each of the criterion scores?
and
- What overall score does the student receive for the overall benchmark (pass or fail)?

A hard copy of the completed rubric is submitted by the student to the Public Health Graduate Curriculum Committee for assessment data collection.

Public Health Dissertation Manuscript

Criteria	Comments
<p>1. Depth of knowledge in PH field.</p> <ul style="list-style-type: none"> • The research question(s) to be addressed is properly situated in the relevant literature • Theoretical arguments and hypotheses flow from and/or are consistent with existing results • Originality and importance of the project is demonstrated in the context of the existing literature 	Document:
	Oral:
<p>2. Competency with contemporary public health research methods used to conduct rigorous research on public health phenomena.</p> <ul style="list-style-type: none"> • Research design is appropriate for the hypotheses to be tested (e.g., will allow for proper causal inference) • Appropriate data is identified • Use of methods to engage phenomenon is rigorous 	Document:
	Oral:
<p>3. Effective scientific communication skills, especially the ability to convey complex concepts and information in a clear and concise manner.</p> <ul style="list-style-type: none"> • Dissertation is clearly and precisely written so that it is fully understandable to public health researchers • Where appropriate, the dissertation makes good use of tables and figures to accurately summarize and convey information • Student clearly answers questions and convincingly defends dissertation orally 	Document:
	Oral:
<p>4. Transdisciplinary research: Demonstrates an understanding of transdisciplinary approaches as it relates to the current research</p> <ul style="list-style-type: none"> • Dissertation clearly identifies the contribution of other disciplines to the research question, and places the results in the context of other approaches • Student clearly answers questions placing the research in context of other approaches 	Document:
	Oral:
<p>5. Translational research: Demonstrates an understanding of translational approaches to dissemination as it relates to the current research</p> <ul style="list-style-type: none"> • Dissertation clearly identifies the contribution of other disciplines to the research question, and places the results in the context of other approaches • To the extent possible, the dissertation describes how the results from the study will be disseminated to relevant stakeholders and the parties who will be responsible for implementing/using the results from the study • Student clearly identifies stakeholders and describes the process of engagement 	Document:
	Oral:

<p>6. Ability to initiate and conduct independent research that makes an original contribution to Public Health knowledge of a quality that can be published in a peer reviewed outlet.</p> <ul style="list-style-type: none"> • Dissertation makes a convincing case for the originality and importance of the research question(s) to be addressed through synthesis and critique of current literature • Dissertation presents theoretically-motivated hypotheses • Methods are described in sufficient detail to allow replication • Results are described and illustrated in a clear and appropriate manner • Research project could be published in a peer reviewed outlet, as evidenced by the demonstrated originality/importance of the research question, theoretical innovations, and rigorous research design 	<p>Document:</p>
<p>7. Proficiency in the skills needed to participate in the intellectual and organizational aspects of the profession of Public Health.</p> <ul style="list-style-type: none"> • Written work displays the qualities needed to participate in the profession of Public Health such as the methods and information are cohesively presented in a way that demonstrates fluency in disciplinary literature • Oral work displays the qualities needed to participate in the profession of Public Health such as the ability to freely but critically exchange ideas in a scholarly setting 	<p>Oral:</p>
<p>Result:</p>	
<p><i>Pass</i> _____ <i>Fail</i> _____</p>	

Appendix E6: Student Progress Report Form

Public Health Student Progress Report Form

Date: _____

Name of Student: _____

Year entered program: _____

Second Year Research Thesis Pass Fail

Qualifying Exam Pass Fail

Candidacy/Doctoral Committee (if appropriate):

_____ (Chair/Faculty Advisor)

_____ (Member)

_____ (Member)

Overall Progress

Satisfactory Unsatisfactory

_____ (Faculty Advisor, sign and date)

_____ (Student, sign and date)

Part I

Summarize the progress you have made toward the degree during the past year (course work, exams, research, publications, presentations). How would you rate your progress?

If you have advanced to candidacy, summarize what you need to accomplish in order to have a defensible dissertation and give your best estimate of when that might occur.

Are there additional activities outside the standard program requirements that you feel would be helpful to your professional development? (Examples: additional coursework or self-study, training in specific skills, language training, writing instruction, symposia or short courses at conferences.)

Part II

Summarize the progress the student has made toward the degree during the past year (course work, exams, research, publications, presentations). Note any specific or general areas of concern.

If the student has advanced to candidacy, summarize what the student needs to accomplish in order to have a defensible dissertation and give your best estimate of when that might occur.

Note any additional recommendations for this student's professional development outside the standard program requirements. (Examples: additional coursework or self-study, training in specific skills, language training, writing instruction, symposia or short courses at conferences).

Rate the student on the following Program Learning Objectives

PLO 1: Breadth Knowledge PH	Introductory Developing Mastery
PLO 2: Depth Knowledge PH Field	Introductory Developing Mastery
PLO 3: Methods	Introductory Developing Mastery
PLO 4: Communication	Introductory Developing Mastery
PLO 5: Transdisciplinary research	Introductory Developing Mastery
PLO 6: Translational Research	Introductory Developing Mastery
PLO 5: Independent Research	Introductory Developing Mastery
PLO 6: Professionalism	Introductory Developing Mastery

Appendix F :
Information Required by California Postsecondary Education Commission (CPEC)

1. Name of Program: Public Health

2. Campus: Merced

3. Degree/Certificate: MSPH, Ph.D.

4. CIP Classification: (to be completed by UCOP) _____

5. Date to be started: July 1, 2016

6. If modification of existing program: New program

7. Purpose (academic or professional training) and distinctive features (how does this program differ from others, if any, offered in California?):

The proposed focus of the Ph.D. - Prevention Sciences - builds on the expertise of our faculty, the resources on campus, and our unique position of being located in a rural, underserved, ethnically diverse region. Specifically, the program focuses on training students to conduct research aimed at preventing chronic and infectious diseases in rural, underserved, disadvantaged, ethnically diverse communities. The program will emphasize the role of transdisciplinary approaches to addressing public health challenges, and train students to conduct and disseminating their research to diverse groups, including community members and organizations, healthcare providers, and policy makers. Our program aims to successfully place graduates in tenure-track jobs in academia, or research positions in industry, government, or non-governmental organizations.

While other programs in the University of California system offer training in Prevention Sciences, including chronic and infectious diseases, our program is unique in making transdisciplinary approaches to addressing problems of vulnerable and diverse populations in a rural setting, the focus of the training students will receive during their study. This approach, developed by faculty on campus starting in 2009, utilizes the existing strengths on campus, including resources and expertise in translational sciences and transdisciplinary research (e.g., HSRI, the Blum Center, and ReCESS), experience in conducting transdisciplinary and collaborative research with communities, healthcare providers, and policy makers to address the health challenges facing rural, underserved, ethnically diverse communities, and the interests of our targeted students.

8. Type(s) of students to be served:

Based on our consultations with the Directors of the Public Health Departments in the San Joaquin Valley, the Public Health faculty at California State University Fresno, health science faculty at California State University Stanislaus, representatives from other University of California campuses, and our student body, we anticipate our graduate program to be attractive to three groups of potential students: Recent graduates with an undergraduate degree in Public Health, Human Biology, or other related disciplines; Recent graduates with a Masters of Public Health from one of the Masters of Public Health programs at a California State University campus; and professionals working in Public Health field in the San Joaquin Valley or elsewhere in California who wish to pursue a Ph.D. in community based research. For instance, of the six students currently pursuing a Ph.D. through the Individualized Graduate Program (IGP) with an emphasis on Social and Cognitive Science, two are Assistant Professors in nursing at a local California State University campus, one is a Director of Public Health Department in a county in the San Joaquin Valley, one is a medical doctor returning to pursue a research degree, and two are recent graduates with a Masters in Public Health from California State University, San Francisco who are interested in research relating to vulnerable populations in the San Joaquin Valley.

We expect to admit 7 students per year. Based on our consultations and market research, we expect to attract students seeking training in conducting research relevant to rural, underserved, and ethnically diverse regions of the county and the world. To the extent that our prospective students are similar to the current composition of UC Merced students (45% Hispanic, 6% African American, and 25% Asian; 60% first generation college students), and given UC Merced's designation as a Hispanic Serving Institution, we anticipate being well placed to attract training grants to support our graduate students. We do not expect to compete for students with the existing programs in the UC but rather see our program as adding to the options available to students interested in studying Public Health within the UC system.

9. If program is not in current campus academic plan, give reason for proposing program now:

The vision to promote Public Health at UC Merced was first articulated by UC Merced faculty and administration in the Strategic Vision of 2009. Since that time, we have taken great strides to achieve this vision, including introducing an organized research unit dedicated to promoting health research (the Health Sciences Research Institute), introducing an undergraduate major and minor in Public Health, and continuing to promote the development of medical education in the region (the San Joaquin Valley PRIME program). The vision to promote health research and education through 2020, including Public Health, has recently been articulated in the Human Health Sciences proposal as part of the Strategic Academic Focusing (SAF) initiative currently ongoing at UC Merced. This proposal describes a number of concrete steps the campus can follow to continue to develop health related research and education on campus, including introducing a research doctorate in Public Health.

10. If the program requires approval of a licensure board, what is the status of such approval?

No such approval is required.

11. Please list special features of the program:

Our program will emphasize the use of mixed methods and transdisciplinary approaches to addressing the prevention of chronic or infectious disease in rural, underserved, and ethnically diverse communities.

Mixed methods research has been defined as a research approach or methodology that:

- focuses on research questions that call for real-life contextual understandings, multi-level perspectives, and cultural influences;
- employs rigorous quantitative research assessing magnitude and frequency of constructs and rigorous qualitative research exploring the meaning and understanding of constructs;
- utilizes multiple methods (e.g., intervention trials and in-depth interviews);
- integrates or combines these methods to draw on the strengths of each; and
- frames the investigation within a philosophical and theoretical positions

Transdisciplinary research (or 'team science') is a collaborative approach to conducting research that involves having researchers from different fields of expertise to address public health challenges. As opposed to single-investigator driven approaches, transdisciplinary research seeks to coordinate teams of investigators with diverse skills and knowledge to study complex social problems with multiple causes. This teamwork becomes interdisciplinary when there is a link, blend, and synthesize between separate approaches, and becomes transdisciplinary when (1) there are new conceptual and methodological frameworks and (2) when stakeholders from multiple sectors of society participate in solving "real-world" problems.

12. List all new courses required

Course requests and syllabi for all courses will be submitted in the year prior to the course's offering. Catalog descriptions of all courses are in Appendix D of the proposal.

13. List all other required courses

Required: Core Public Health courses- 7 courses (24 units)

- PH 201: Foundations of Public Health (4 units)
- PH 202: Epidemiology (4 units)
- SOC 210: Statistics 1: Regression Analysis (4 units)
- SOC 211: Statistics 2: Categorical Regression Analysis (4 units)
- PH 203: Research Methods (4 units)
- PH 208a: Professionalization seminar (2 units)
- PH 208b: Professionalization seminar (2 units)

Required: Discipline - 1 course (4 units)

- PH 204: Environmental Health (4 units)
- PH 205: Health Services Research and Policy (4 units)
- PH 206: Health Communication (4 units)
- PH207: Social and Behavioral Theory in Public Health (4 units)

Required: Advanced methods - 1 course (4 units)

- PH 223: Qualitative Research Methods for Public Health (4 units)
- PH 224: Environmental Epidemiology (4 units)
- PH 225: Advanced Quantitative Methods (4 units)

Electives: (24 units)

- PH 204: Environmental Health (4 units)*
- PH 205: Health Services Research and Policy (4 units)*
- PH 206: Health Communication (4 units)
- PH 207: Social and Behavioral Theory in Public Health (4 units)
- PH 221: Social Epidemiology (4 units)
- PH 222: Program Design and Evaluation (4 units) *
- PH 223: Qualitative Research Methods for Public Health (4 units)
- PH 224: Environmental Epidemiology (4 units)*
- PH 225: Advanced Quantitative Methods (4 units)*
- PH 235: Pesticides, Health, and the Environment (4 units)
- PH 236: Vector Ecology for Public Health (4 units)
- PH 241: Public Health Genetics (4 units)
- ES 234: Air Pollution and Resources (3 units)
- PSY 202C: Multivariate Analysis (4 units)
- PSY 208A: Methods for Program Evaluation (4 units)
- PSY 208B: Theory of Program Evaluation (4 units)
- PSY 206: Quantitative Methods for Reviewing Research (4 units)
- PSY 220: Health Psychology (4 units)
- PSY 221: Issues in Health Psychology (4 units)
- PSY 224: Health Disparities (4 units)
- PSY 225: Health Risk Decision Making (4 units)
- PSY 230: Developmental Psychology (4 units)
- PSY 280: Human Behavioral Genetics (4 units)
- Soc 230: Stratification (4 units)
- Soc 245: Sociology of Health (4 units)

** If taken to fulfill the discipline or advanced methods requirement, the course cannot fulfill the elective requirement. That is, no double counting of courses.*

Additional Requirements

All students must maintain a GPA greater than 3.0. In the case a student does not meet this standard, they will be put in academic probation for the duration of one semester. Should they still not meet this standard, they may be dismissed from the graduate program at the discretion of the Graduate Group Chair for failure to make due progress in the program.

14. List UC campuses and other California institutions which now offer or plan to offer this program or closely related programs:

In California, there are currently seven Schools of Public Health in existence or proposed (UCLA, UC Davis, UC Berkeley, UC Irvine, USC, Loma Linda, and Claremont), one joint MPH/Ph.D. program (UCSD/SDSU), and a number of programs that offer a terminal MPH degree (Fresno State University, Cal State Northridge, Long Beach State, Cal State Fullerton, San Francisco State, and San Jose State). The School of Public Health at UC-Berkeley offers Ph.D. degrees in Biostatistics, Environmental Health Sciences, Epidemiology, Health Services and Policy Analysis and Infectious Diseases. The UCLA School of Public Health offers Ph.D. degrees in Biostatistics, Community Health Sciences, Environmental Health Sciences, Epidemiology, and Health Services. The Public Health program of UC-San Diego offers Ph.D. in Public Health with possible concentrations in global health, health behavior, and epidemiology. UC Davis offers Ph.D. degrees in Epidemiology, Biostatistics, and Pharmacology & Toxicology, each administered by a different graduate group composed of members of various academic units. And the Ph.D. program at UC Irvine offers a Ph.D. in Global Health and Disease Prevention. No institution located in the San Joaquin Valley offers a Ph.D. program.

Our program shares characteristics with the programs at the other UC campuses. All campuses offer the type of academic Ph.D. that we are proposing. All programs offer training in Prevention Sciences (or equivalent), provide training in community based participatory research (CBPR), and promote dissemination and implementation of the results (translational research). UC Irvine's program focuses on admitting and training a small number of students in interdisciplinary and participatory research, with an emphasis on hypothesis-driven research to identify successful strategies for reducing the burden of chronic and infectious diseases in vulnerable populations. As with the UCSD/SDSU joint program, we have many collaborations with CSU Fresno, and we will seek to establish close ties with other CSU campuses. Our program shares some similarities to the proposed program from UC Davis in Public Health Sciences, with both programs emphasizing the importance of dissemination and implementation research, and looking to provide culturally relevant training to Ph.D. students.

The fact that our program is similar in some respects to the programs offered at other UC campuses is a sign that we are proposing a concentration (Prevention Sciences) that other campuses see as appropriate for Ph.D. program in Public Health. What distinguishes our program is that we will utilize the strengths of our campus (opportunities for transdisciplinary research, diverse faculty with experience working with rural, vulnerable groups), existing expertise and resources on campus regarding translational and participatory research (HSRI, Blum Center, and ReCESS), and a natural laboratory in which to conduct research (SJV) to offer students more targeted and focused training in conducting research with rural, ethnically diverse, underserved communities than is available elsewhere in the UC system. As described below in our course of study, our proposed program emphasizes translational research and community based participatory research, including training students to work with diverse populations in underserved

communities, to address relevant public health challenges. Moreover, students will be actively encouraged to work in transdisciplinary research teams composed of our diverse faculty and other stakeholders in order to maximize the translational potential of their research projects. While these opportunities are present at other UC campuses, they are the center piece of our program and thus will attract students who are looking for this type of experience and training.

15. List any related program offered by the proposing institution and explain the relationship:

There are no similar programs at UC Merced.

16. Summarize employment prospect for graduates of the proposed program. Give results of a job market survey if such has been made:

Public Health Ph.D. students can find employment in governmental agencies at the federal, state, and local level, healthcare financing and delivery organizations, non-governmental public health organizations, and private industries.⁴⁹ An assessment of the state of public health in the United States sponsored by the **Centers for Disease Control and Prevention's Public Health Workforce Development Initiative** found that not only is there a workforce shortage,⁵⁰ but that much of the workforce is untrained.⁵¹ This assessment of the US public health workforce found that there was a mismatch between current workforce skills and projected needs.⁵² In particular, the need to create practice-oriented researchers who conduct studies that improve public health practices was identified.⁵³ Individuals trained in scientific research will be needed to design and evaluate new and innovative public health interventions and to assess policy implications and policy costs. While there is a growing demand for a more educated public health research work force at the national level, California, in particular, is plagued by a limited applicant pool for trained public health professionals. A 2014 report titled *Public Health Education and the University of California*⁵⁴ noted a strong demand for graduate programs in public health research education to help fill the need for researchers who can address contextual health issues associated with the demographic and epidemiological shifts taking place in California. Our graduates will help fill the need for trained public health researchers in both the public and private arena. In addition our program will help to fill the need for faculty members to train the next generation of public health researchers. As a result, we anticipate that our graduates will help fill the growing demand for trained public health researchers, and will help fill the need for mid-career training in the current

⁴⁹ Public Health Education and the University of California. Final Report of the Health Sciences Committee – April 2014. Available at http://www.ucop.edu/health-sciences-services/files/public_health.pdf. Accessed July 21, 2014.

⁵⁰ Denise Koo. Modernizing the Workforce for the Public's Health: Shifting the Balance. Presented at *Public Health Workforce Summit, Modernizing the Workforce for the Public's Health: Shifting the Balance* in Atlanta, GA. December 13-14, 2012.

⁵¹ Ibid.

⁵² Fleming D. Destinations for a Public Health Workforce Roadmap, A Perspective from the Front Lines. Presented at *Public Health Workforce Summit, Modernizing the Workforce for the Public's Health*, Atlanta, GA. Dec 13-14, 2012.

⁵³ Ibid.

⁵⁴ Public Health Education and the University of California. Final Report of the Health Sciences Committee – April 2014. Available at http://www.ucop.edu/health-sciences-services/files/public_health.pdf, page 12.

public health workforce.

17. Give an estimated enrollment for the first five years and state the basis for the estimate:

We expect the six Public Health related graduate students admitted through the Individualized Graduate Program (IGP) with an emphasis on Social Science to transfer to the Public Health Graduate program upon its inception. For the near term we anticipate entering classes of 7 students per year starting in 2016/17.

18. Give estimates of the additional cost of the program by year for 5 years in each of the following categories:

a. **FTE Faculty:** As a young university, UC Merced has constantly added new FTE faculty. Funds for new faculty lines, and for associated startup costs, are allocated by the Provost through the strategic planning process, with consultation by pertinent UC Merced Academic Senate committees. Since our first Public Health academic joined UCM in 2011, we have added 2-3 faculty members per year. At the beginning of 2014/15, there were seven Core Faculty in Public Health, with an additional faculty member (senior level in Prevention Sciences) on target to begin on January 1, 2015. In addition, befitting the transdisciplinary nature of Public Health, an additional eight faculty members with appointments in other departments will be Active members of the Public Health Bylaw 55 Unit and thus members of the Public Health Graduate group. All members of the Graduate Group are prepared to supervise graduate students.

b. **Library Acquisitions:** The current library holdings need to be expanded to support health-related faculty research. Judging by the number of faculty affiliated with HSRI (77 as of December 2014), there is currently significant demand for additional health-related resources irrespective of the needs of Public Health graduate students. All faculty and health-related graduate students, including those in Health Psychology, Public Health, and Molecular and Cell Biology, would benefit from an expansion of the library resources. The cost of additional library holdings is estimated to be between \$40,000 to \$45,000 per year.

c. **Computing:** No additional resources are required.

d. **Other facilities and equipment:** Public Health faculty have varying equipment needs for their research. We expect these needs to be met with the normal start-up packages allocated to the University for the recruitment of new faculty. As a result, no additional resources will be needed with respect to equipment.

Public Health faculty require one office per faculty member. Teaching assistants need (shared) office

space as well. Some Public Health faculty require separate secure data offices as well, these can be shared. At present, the space is adequate to meet the needs of the Public Health Graduate program.

19. How and by what agencies will the program be evaluated.

The Public Health Graduate Curriculum Committee will oversee the collection and analysis of program assessment data, including a Program review every 7 years and a yearly self-assessment process. UCM policy regarding the periodic review of graduate programs is described in the document entitled Graduate Academic Program Review Policy and Procedures (May 2013).⁵⁵ The Public Health program review will follow those procedures and timeline, with data for WASC assessment being collected each year to assess our progress with achieving the Program Learning Outcomes (PLOs).

As is the case for all UCM graduate programs (in accord with procedures approved by the Graduate Council), the Public Health Graduate group will be evaluated by a program review committee of UC faculty on a seven year cycle. The Public Health Graduate Studies Committee will prepare a self-report for review by the committee in accord with UC policy that includes annual assessment reports on student learning and program benchmarks, course offerings and teaching loads, and the overall advancement of the program. After reviewing this document, the program review committee will meet with Public Health Graduate group faculty and students and review the program. The Public Health Graduate Group Chair and Dean of Social Sciences, Humanities, and Arts will then prepare and present a response to the self-study to the program review committee. The review ends when the program review committee reports its satisfaction with the program's response to the Graduate Council.

We will regularly administer surveys of graduating students in order to define problems and to initiate solutions in timely manner. UC Merced has established exit surveys for graduating Master's and Ph.D. graduate students, which will provide our Graduate Group with data once our first cohort graduates. Also, the University began administering surveys to graduate alumni in July 2012. We will add program specific questions to the survey, so that the University can supply us with these data as soon as we have alumni from which to sample. These surveys will provide both subjective (indirect evidence) and objective data (direct evidence) collected on student outcomes, such job placements, as well as students' experiences with university resources, faculty, and peers. Additional data will be collected via our university student database, such as time to degree and time to candidacy. We will also collect student work (direct evidence) at multiple levels including the second year thesis, qualifying examinations, and dissertation manuscripts (including an oral defense). Indirect evidence will come from annual progress reports collected each Spring from faculty for each graduate student who they advise during that academic year. Further, we will annually collect and compile data from annual graduate student progress reports on student presentations at regional and national conferences, publications, and funding applications

⁵⁵ http://senate.ucmerced.edu/sites/senate.ucmerced.edu/files/public/Graduate%20Program%20Review_Policy_Approved_5.09.14.pdf.

submitted and received, to gauge our students' engagement in these activities. For some PLOs, another source of indirect evidence will be TA evaluations completed by undergraduates who had the graduate student as a TA. This data will be used to adjust and improve the program as needed, keeping central the Program Learning Outcomes as the guide for the advancement of the program.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
OFFICE OF ETHICS, COMPLIANCE AND AUDIT SERVICES



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January 23, 2015

VICE PRESIDENT DUCKETT
VICE PROVOST CARLSON
VICE PRESIDENT SAKAKI

SUBJECT: Updated Presidential Policy on Sexual Harassment and Sexual Violence

On February 25, 2014, the University of California issued a revised Presidential Policy on Sexual Harassment and Sexual Violence that updated the University's policy on preventing and responding to allegations of sexual misconduct on our campuses. The new policy also brought the University into compliance with the requirements of the Violence Against Women Act (VAWA) that was reauthorized by President Obama in 2013.

As you are aware, the revised policy was vetted with several audiences including senior campus academic and administrative leaders, faculty, other academic appointees, staff, and students. Critical issues and comments received were incorporated and inclusion of other suggestions/comments was postponed pending issuance of the final regulations by the Department of Education, which were due in Fall 2014.

Final regulations were issued on October 20, 2014 and will become effective July 1, 2015. Immediately, a working committee comprised of representatives from Student Affairs, Academic Personnel and Programs, Human Resources, Office of General Counsel, Communications, Title IX, CARE Advocates, and Compliance evaluated the regulations and reviewed the revised policy. The goals of the committee's work—staffed by my office--were to:

1. Incorporate the final regulations and requirements of VAWA into UC's policy;
2. Address outstanding issues/questions from the initial vetting as promised by President Napolitano;
3. Assure the policy was consistent with the efforts and requirements of the President's Task Force on Preventing and Responding to Sexual Violence and Sexual Assault (SVSA); and,
4. Improve accessibility and readability by the broader University community including students, parents and community members.

After a concerted effort by the working committee throughout the Fall 2014, the University's Policy on Sexual Harassment and Sexual Violence is now ready for systemwide review and vetting. We would like to have this policy disseminated to your respective representative groups, i.e. senior campus leaders, faculty, other academic appointees, staff, and students.

The current revised draft (attached) has the following key revisions: incorporates any new VAWA regulations and recent legislation requirements

- Incorporates recommendations of the California State Auditor Audit Findings and President's Task Force on SVSA to require mandatory education for faculty, other academic appointees, staff, and students. (Mandatory sexual harassment and prevention education for faculty is already required and we are hoping to utilize this training to incorporate VAWA and SVSA)
- Consideration was given to policy language to make the policy clearer and in plain language to address comments received from reviewers during the initial vetting that the policy was difficult to understand
- Provides that complainants and respondents may appeal an investigation process that alleges violation of this policy (stated in initial policy as well)
- Updates in policy terminology as required by VAWA
- Clarifies appropriate paths for reporting incidents
- Updates definition of consent and adds additional definitions to improve readability, consistency and understanding
- Includes "amnesty" provision for reporting (De Leon)
- Incorporates "abuse" as included in domestic violence or sexual violence. It is included to strengthen a cause that complainants often raise in allegations.
- Clarifies that the policy addresses only "sexual" harassment" as required by VAWA. (Other forms of harassment, i.e., that are non-sexual in nature, including non-sexual hostility and stalking that is non-sexual in nature will be covered in other policies)
- Complies with the President's directive to disclose disciplinary actions to complainants

I am pleased to present this draft policy to your offices for vetting as required by our policy development process. I look forward to comments received by your office and the discussion of them as we finalize the policy for the President's signature in time for compliance with the VAWA Reauthorization Act by July 1, 2015.

Sincerely,



Sheryl Vacca
Senior Vice President
Chief Compliance and Audit Officer

Enclosure

cc Provost and Executive Vice President Dorr
Executive Vice President Brostrom
Chief of Staff Grossman



Sexual Harassment and Sexual Violence Policy

[Para la traducción en Español, oprima aquí](#)

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Academic Officer:	Vice Provost – Academic Personnel and Programs
Academic Office:	APP – Academic Personnel and Programs
Student Officer:	VP – Student Affairs
Student Office:	SA – Student Affairs
Staff Officer:	VP – Human Resources
Staff Office:	HR – Human Resources
Issuance Date:	02/25/2014 XX/XX/2015
Effective Date:	XX/XX/2015 02/25/2014
Last Review Date	XX/XX/2015
Scope:	This policy applies to all University employees, students and University campuses, the Lawrence Berkeley National Laboratory, Medical Centers, the Office of the President, Agriculture and Natural Resources, and all University programs and activities This policy applies to all University employees and students

For assistance with incidents of dating violence, domestic violence, sexual assault, sexual harassment, sexual violence, and stalking, please contact your local CARE Advisor, at <http://sexualviolence.universityofcalifornia.edu>

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[VII. FREQUENTLY ASKED QUESTIONS](#) *Error! Bookmark not defined.*

[VIII. REVISION HISTORY](#) *Error! Bookmark not defined.*

For questions about this policy, please contact:

	Academic	Student	Staff
Contact:	Janet Lockwood	Eric Heng	Jeannene Whalen
Email:	janet.lockwood@ucop.edu	eric.heng@ucop.edu	jeannene.whalen@ucop.edu
Phone:	(510) 987-9499	(510) 987-0239	(510) 987-0853

I. POLICY SUMMARY

~~The University of California is committed to creating and maintaining a community where all individuals who participate in University programs and activities can work and learn together in an atmosphere free of harassment, exploitation, or intimidation. Every member of the community should be aware that the University prohibits sexual harassment and sexual violence, and that such behavior violates both law and University policy. The University will respond promptly and effectively to reports of sexual harassment and sexual violence, and will take appropriate action to prevent, to correct, and when necessary, to discipline behavior that violates this policy on Sexual Harassment and Sexual Violence (hereafter referred to as *Policy*).~~

~~This *Policy* applies to all University of California employees and students at its campuses, the Lawrence Berkeley National Laboratory, the Medical Centers, the Office of the President, Agriculture and Natural Resources, and its University programs and activities. This *Policy* furthers the University's commitment to compliance with the law and to the highest standards of ethical conduct as outlined in the University's Statement of Ethical Values and Standards of Ethical Conduct.~~

~~The University of California is committed to creating and maintaining an atmosphere free of harassment, exploitation, and/or intimidation for every individual in our community. Every member of the community should be aware that the University prohibits sexual harassment and sexual violence, and that such behavior violates both law and University policy. The University will respond promptly and effectively to reports of sexual harassment and sexual violence, and will take appropriate action to prevent, to correct, and when necessary, to discipline behavior that violates this policy on Sexual Harassment and Sexual Violence (hereafter referred to as *Policy*).~~

~~This *Policy* complies with the law and with the University's commitment to the highest standards of ethical conduct, which are outlined in the University's Statement of Ethical Values and Standards of Ethical Conduct.~~

~~It is the policy of the University not to engage in discrimination against or harassment of any person associated with University of California. The University of California is~~

Sexual Harassment and Sexual Violence

University of California Policy – Sexual Harassment and Sexual Violence

DRAFT POLICY FOR REVIEW AND COMMENT ONLY

committed to creating and maintaining an atmosphere free of harassment, exploitation, and/or intimidation for every individual in our community. Therefore, we have a zero tolerance policy on Sexual Harassment and Sexual Violence (the Policy). In order to continue to work and learn together in a safe and fruitful healthy environment, we have created a policy that we feel establishes our staunch position, as well as our various means of addressing any such instances of sexual harassment and/or sexual violence.

This Policy applies to the following persons or locations:

- all University of California employees and students at its campuses;
- the Lawrence Berkeley National Laboratory;
- the Medical Centers;
- the Office of the President;
- Agriculture and Natural Resources; and
- all University programs and activities.

This Policy complies with the law as well as the and with the University's commitment to the highest standards of ethical conduct, which are outlined in the University's Statement of Ethical Values and Standards of Ethical Conduct.

II. DEFINITIONS

A. Sexual Harassment: Includes

- unwelcome sexual advances,
- requests for sexual favors,
- conduct of a sexual nature, including verbal, nonverbal, or physical conduct that creates an environment in which a reasonable person finds the behavior intimidating, hostile, or offensive, and
- conduct of a sexual nature, including verbal, nonverbal, or physical conduct – behavior that affects or interferes with a person's employment, work, education, and/or educational performance.

Sexual harassment may include incidents between any members of the University community, including:

- faculty and other academic appointees
- staff
- student employees
- students
- coaches
- residents

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- interns
- non-student or non-employee participants in University programs (e.g., vendors, contractors, visitors, and patients).

Sexual harassment can occur in all types of relationships: hierarchical, between peers, or between individuals of the same sex or opposite sex. The University will respond to reports of any such conduct between any such members of the University community, according to the *Policy*.

To determine whether any reported conduct constitutes sexual harassment, the University will consider the record of the conduct as a whole including the circumstances and context in which the conduct occurred.

Harassment of one student by another student is defined as unwelcome conduct of a sexual nature that effectively denies equal access to the University's resources and opportunities because such conduct is: severe and/or pervasive, objectively offensive, and substantially impairs a person's access to University programs or activities. (See the University of California Policies Applying to Campus Activities, Organizations, and Students, Policy 100.00 on Student Conduct and Discipline, Section 102.09)

B. Sexual Violence: Physical, sexual acts, engaged in without the consent of the other person, or when the other person is unable to consent. Sexual violence includes any of the following:

- sexual assault
- rape
- sexual battery
- domestic violence
- dating violence
- stalking

1. Sexual Assault: Occurs when physical, sexual activity is engaged without the consent of the other person, or when the other person is unable to consent to the activity. The activity or conduct may include the following:

- physical force
- violence
- threat
- intimidation
- ignoring the objections of the other person
- causing the other person's intoxication or incapacitation (through the use of drugs or alcohol)

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- taking advantage of the other person's incapacitation (including voluntary intoxication)

2. Dating Violence: Abuse committed by a person who is, or has been, in a romantic and/or intimate relationship with the victim.

3. Domestic Violence: Abuse committed against:

- an adult or a minor who is a
 - spouse or former spouse
 - cohabitant or former cohabitant
- someone with whom the abuser has
 - a child
 - an existing dating or engagement relationship
 - a former dating or engagement relationship

4. Stalking: Behavior in which someone repeatedly engages in conduct directed at a specific person. This conduct places the targeted person in reasonable fear of his or her safety or the safety of others or causes the targeted person to suffer substantial emotional distress. This policy intends to address stalking that could be reasonably construed as sexual or gender based in nature. Other forms of stalking of a non-sexual nature may be addressed by other University policies.

C. Abuse: In the context of dating and romantic relationships and, domestic violence, and/or, abuse is defined as -any act of violence, whether it's a single act or an ongoing pattern of behavior, and/or any threatened act -of violence, or threatened act of violence against:

- -one's self
- one's sexual or romantic partner, spouse or former spouse~~one's spouse or former spouse~~
- the family and/or friends of one's sexual or romantic partner, ,spouse, or, former spouse, etc.)
- one's cohabitant or former cohabitant
- , or someone with whom the abuser has a child,
- someone with whom the abuser has an existing dating or engagement relationship,
- someone with whom the abuser has had a former dating or engagement relationship,

- _____

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“Abuse” includes but is not limited to conduct that a reasonable person in similar circumstances and with similar identities would find intimidating, frightening, terrorizing, or threatening, including:

- physical violence
- sexual violence
- emotional abuse
- economic abuse
- threats
- assault
- property damage

or has had a former dating or engagement relationship. It “Abuse” includes, but is not limited to:

- physical violence
- , sexual violence
- , emotional violence
- e, and economic abuse that someone may a reasonable person in similar circumstances and with similar identities would find intimidating, frightening, terrorizing,
- or threatening.
- threats
- assault
- property damage It may involve one act or an ongoing pattern of behavior. It may take the form of threats, assault, property damage, violence or threat of violence to one’s self, one’s sexual or romantic partner or to the family members or friends of the sexual or romantic partner.

D. Awareness Programs: Any cCommunity-wide or audience-specific programming, initiatives, and/or strategies that increase awareness, audience knowledge and share information and resources to prevent sexual violence, promote safety, and reduce perpetrationacts of abuse.

E. Complainant: Any person who files a report of sexual harassment or sexual violence.

G.F. Consent: is informed. Consent is a decision; an affirmative, unambiguous, affirmative and conscious decision by each participantperson, in a relationship, to engage in mutually agreed-upon sexual activity. -(For the purposes of this Policy, the age of consent is consistent with California Penal Code Section 261.5.)

Consent is voluntary. It must be given without coercion, force. Consent means a willing and positive cooperation in an act, or expressing a desire to engage in an act. A person can only give his/her true consent if there is no force, threats, or

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intimidation. ~~Consent means positive cooperation in the act or expression of intent to engage in the act.~~ Ultimately, consent is an exercise of free will, pursuant to an exercise of free will. Silence does not mean consent.

Consent is revocable. At any point, in any context, consent can be denied and be taken back. More specifically:

- Consent to sexual activity, on one occasion, does not mean consent has been given to any form of sexual activity, on any occasion.
- A past dating experience or sexual relationship, by itself, is not enough to assume consent. Even in the context of a relationship, there always has to be mutual consent to engage in any sexual activity at any time.
- Consent is ongoing; meaning at any point during a sexual encounter consent has to be given, and can be withdrawn. Once consent is withdrawn, the sexual activity must stop immediately.

Consent cannot be given when a person is incapacitated. A person cannot consent if s/he is unconscious or coming in and out of consciousness.

A person cannot consent if s/he is under the threat of violence, bodily injury, or other forms of intimidation.

A person cannot consent if s/he cannot understand the act because of a physical or mental impairment.

~~Consent is revocable. At any point, in any relationship, in any context, consent can be denied, and be taken back. More specifically:~~

~~— Consent to some form of sexual activity, on one occasion, does not mean imply consent has been given to any to other forms of sexual activity, on any occasion.~~

~~— Consent to sexual activity on one occasion is not consent to engage in sexual activity on another occasion. A A current or previous past dating experience or sexual relationship, by itself, is not sufficient enough to constitute assume consent in any other relationship. Even in the context of a relationship, there must always has to be mutual consent in order to engage in any sexual activity.~~

~~• Consent must be ongoing; meaning throughout at any point during a sexual encounter consent has to be given, and and can be revoked taken back at any time. Once consent is withdraw taken back, the sexual activity must stop immediately.~~

~~— Consent cannot be given when a person is incapacitated. A person cannot consent if s/he is unconscious or coming in and out of consciousness.~~

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- A person cannot consent if s/he is under the threat of violence, bodily injury or other forms of coercion force.
- A person cannot consent if s/his/her cannot understanding of the act is affected by because of a physical or mental impairment.

For the purposes of this *Policy*, the age of consent is consistent with California Penal Code Section 261.5.

Incapacitation is defined as the physical and/or mental inability to make informed, rational judgments. States of incapacitation include, but are not limited to:

- unconsciousness
- sleep
- blackouts

Alcohol, drugs or other medication can also be a factor. In such a scenario, incapacitation is defined with respect to how the alcohol or other drugs that were consumed affects a person's

- decision-making capacity
- awareness of consequences
- ability to make fully informed judgments
- ability to communicate

Being intoxicated by drugs, alcohol or other medication does not give another party permission to ignore whether consent was given.

The factors to be considered when determining whether consent was given include: whether the respondent knew that the complainant was incapacitated, or whether a reasonable person should have known.

DG.

Designated Employee: A designated employee is anyAny employee who has the obligation to report incidents of sexual harassment or sexual violence to the Title IX coordinator or other appropriate University designees. Generally this includes all employees, including academic appointees, unless s/he has been identified as an employee who can provide confidential consultations for the University community pursuant to Section V.F. of this Policy.; or a person to whom a student or employee could reasonably believe has this authority or duty. Designated employees must be informed of their own reporting responsibilities.

E.

Dating Violence: is defined as theThe committed by a person who is, or has been, in a social romantic and/or intimate relationship of a romantic or intimate nature with the victim.

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F.

Domestic Violence is defined as committed against:

- an adult or a minor who is a
 - spouse or former spouse
 - cohabitant or former cohabitant
- or against someone with whom the abuser has
 - has a child
 - an adult or a minor who is a spouse or former spouse, cohabitant or former cohabitant, or someone with whom the abuser has a child, has an existing dating or engagement relationship
 -
 - has an existing dating or engagement relationship, or has had a former dating or engagement relationship.

HG. Executive Officer: The University President, Chancellor, Lawrence Berkeley National Laboratory Director, or Vice President of Agricultural and Natural Resources.

HI. Incapacitation: The physical and/or mental inability to make informed and rational judgments. States of incapacitation include, but are not limited to
The physical and/or mental inability to make informed, rational judgments. States of incapacitation include, but are not limited to:

- unconsciousness
- sleep
- blackouts

Alcohol, drugs, or other medication can also be a factor. In such a scenario, incapacitation is defined with respect to how the alcohol or other drugs that were consumed affects a person's:

- decision-making capacity,
- awareness of consequences,
- ability to make fully informed judgments, and
- ability to communicate.

Being intoxicated by drugs, alcohol, or other medication does not give another party permission to ignore whether consent was given.

The factors to be considered when determining whether consent was given include whether the respondent knew, or whether a reasonable person should have known, that the complainant was incapacitated.

Being intoxicated by drugs, alcohol or other medication does not give another party permission to ignore whether consent was given.

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The factors to be considered when determining whether consent was given include: whether the respondent knew that the complainant was incapacitated, or whether a reasonable person should have known.

- ~~**Incapacitation** is defined as the physical and/or mental inability to make informed, rational judgments. States of incapacitation include, but are not limited to, unconsciousness, sleep, and blackouts. Where alcohol, drugs or other medication are involved, incapacitation is defined with respect to how the alcohol or other drugs consumed affects a person's decision-making capacity, awareness of consequences, ability to make fully informed judgments, and inability to communicate. Being intoxicated by drugs, alcohol or other medication does not absolve one's responsibility to obtain consent. The factors to be considered when determining whether consent was given include whether the respondent knew, or whether a reasonable person should have known, that the complainant was incapacitated.~~

Jl. Ongoing Prevention and Awareness Campaigns: Using a wide range of strategies with varying audiences throughout our institution, these are ~~Programming~~ Programming, initiatives, and strategies that are sustained over time and that focus on ~~aim to increase understanding and awareness of~~ sexual violence abuse among a variety of audiences. These campaigns further aim to develop skills that address such issues and occurrences. The campaigns will cover topics relevant to dating violence, domestic violence, sexual assault, and stalking.

- ~~increasing understanding of topics relevant to and skills addressing dating violence, domestic violence, sexual assault, and stalking, using a range of strategies with audiences throughout the institution.~~

Kj. Primary Prevention Programs: Are Programming, initiatives, and strategies that have been created based on research, and/or assessed for their value, effectiveness, and/or outcome. These programs focus on preventing dating violence, domestic violence, sexual assault, and stalking. Therefore, these programs promote behaviors that foster healthy and respectful relationships, while also encouraging a safe environment for bystanders to intervene in a potential case of dating violence, domestic violence, sexual assault, and stalking. ~~Programming~~ programming, initiatives, and strategies that have been informed ~~created based on by research, and/or assessed~~ assessed for their value, effectiveness and/or outcome. These programs that are intended to stop dating violence, domestic violence, sexual assault, and stalking before they occur aim to stop ~~focus on preventing dating violence, domestic violence, sexual assault, and stalking, before they occur. In order to~~ Therefore, do so, these programs through the promotion of ~~promote~~ positive and healthy behaviors that foster healthy, mutually respectful relationships and sexually ~~sexuality, while also encouraging a safe environment for bystanders to intervene in a potential case of abuse~~ tion, and seek to change behavior and social norms.

- ~~in health and safe directions.~~

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LK. Proceeding: ~~Means all~~ All activities involved when an institutional complaint is made requiring a non-criminal resolution. These activities include, but are not limited to:

- fact-finding investigations, and
- formal and informal meetings and hearings.

~~“Proceeding” does not include communications and meetings between officials and complainants when it concerns a complainant’s accommodations/protective measures. All activities related involved when an institutional disciplinary complaint is made, and a non-criminal resolution must be found. to a non-criminal resolution of an institutional disciplinary complaint. These activities includeing, but are not limited to,~~
:

~~fact-finding investigations, and
formal and informal meetings and hearings.
, formal and informal meetings and hearings.~~

~~“Proceeding” does not include communications and meetings between officials and complainants when it concerns a complainant’s accommodations/protective measures.~~

M. Respondent: ~~– A person against whom a report of sexual harassment or sexual violence is filed.~~

~~Proceeding does not include communications and meeting between officials and complainants concerning accommodations or protective measures to be provided to a complainant.~~

NL. Risk Reduction: ~~Are e~~ Strategies designed to decrease perpetration and bystander inaction, and create an environment where bystanders step in when abuse occurs, rather than remaining silent. These options would ultimately increase victim empowerment by reaching out to individuals and communities to: ~~Options that could designed to not only decrease acts of abuse, perpetration but and create an environment where itommunications and meeting bbystanders inactionto step in when abuse occurs, rather than remaining silent. These options would ultimately increase victim empowerment by reaching out to individuals and communities to:~~

- promote safety,
- extend help, and
- address conditions that facilitate violence. ~~, and to increase empowerment for victims in order to promote safety and to help individuals and communities address conditions that facilitate violence.~~

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O. Trauma-Informed: - Methods designed to acknowledge the impact of violence and trauma on people's lives and the importance of addressing trauma in education. Services are influenced by an understanding of the impact of interpersonal violence and victimization on an individual's life and development. To provide trauma-informed services, all staff of an organization must understand how violence impacts the lives of the people being served, so that every interaction is consistent with the recovery process and reduces the possibility of re-traumatization.

M. Sexual Assault: ~~occurs~~ Occurs when physical, sexual activity is engaged without the consent of the other person, ~~Or, or~~ when the other person is unable to consent to the activity. ~~The activity or conduct may include: the following:~~

- ~~— Pphysical force,~~
- ~~— Vviolence,~~
- ~~— Tthreat, or~~
- ~~— Iintimidation,~~
- ~~— Iignoring the objections of the other person,~~
- ~~— Ccausing the other person's intoxication or incapacitation (through the use of drugs or alcohol),~~
- ~~or Ttaking advantage of the other person's incapacitation (including voluntary intoxication).~~

N. Sexual Harassment: ~~is defined as:~~ is defined as:

- ~~—~~
- ~~1. Unwelcome sexual advances,~~
- ~~—~~
- ~~2. Requests for sexual favors,~~
- ~~— creating an environment in which a person finds the behavior intimidating, hostile or offense, and~~
- ~~— other verbal, nonverbal, or physical or sexual conduct — behavior that in any way affects or interferes with a person's employment, work, education, and/or educational performance.~~

~~3. Other verbal, nonverbal, or physical conduct of a sexual nature. This means is defined as unwelcome sexual advances, requests for sexual favors, and other verbal, nonverbal, or physical conduct of a sexual nature. Sexual harassment is conduct that explicitly or implicitly affects a person's employment or education or interferes with a person's work or educational performance or creates an environment such that a reasonable person would find the conduct intimidating, hostile, or offensive. The University will respond to reports of any such conduct in accordance with the Policy.~~

~~behavior that in any way affects or interferes with a personsuch that a reasonable person would find the conduct intimidati~~

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Sexual harassment also covers when the above conduct creates an environment in which a person finds the behavior intimidating, hostile or **offense**.

Sexual harassment may include incidents between any members of the University community, including:

- Fffaculty and and other academic appointees,
- Ssstaff,
- Ssstudent employees,
- Ssstudents,
- Cccoaches,
- Rrresidents,
- Iiinterns,
- and nNnon-student or non-employee participants in University programs (e.g., vendors, contractors, visitors, and patients).

Sexual harassment may can occur in all types of relationships: hierarchical relationships, between peers, or between individuals of the same sex or opposite sex. The University will respond to reports of any such conduct between any such members of the University community, in accordance with according to the Policy.

To determine whether the any reported conduct constitutes sexual harassment, the University will consider the ation shall be given to the record of the conduct as a whole as a whole. This refers to and to the totality of the circumstances and the, including the context in which the conduct occurred.

To determine whether any reported conduct constitutes sexual harassment, the University will consider the record of the conduct as a whole including the circumstances and context in which the conduct occurred.

Consistent with the University of California Policies Applying to Campus Activities, Organizations, and Students, Policy 100.00 on Student Conduct and Discipline, Section 102.09, hHarassment of one student by another student is defined as unwelcome conduct of a sexual nature, that effectively denies equal access to the University's resources and opportunities is because such conduct is: so severe and/or pervasive, and objectively offensive, and that so that which substantially impairs a person's access to University programs or activities. (See the University of California Policies Applying to Campus Activities, Organizations, and Students, Policy 100.00 on Student Conduct and Discipline, Section 102.09) that the person is effectively denied equal access to the University's resources and opportunities.

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O. Sexual Violence: is defined as physical, sexual acts, engaged without the consent of the other person, or when the other person is unable to consent to the activity. Sexual violence includes any of the following:

- sexual assault;
- rape;
- battery
- , and sexual coercion;
-
- domestic violence;
-
- dating violence;
- and stalking.

P.

Stalking: is behavior in which someone a person who repeatedly engages in conduct behavior directed at another, specific person, that places the targeted person in reasonable fear for his or her safety, or fear for the safety of others. It could also make or them suffers substantial emotional distress. This policy intends to address stalking that could be reasonably construed considered as sexual or based on gender based in nature. Other forms of stalking of a non-sexual nature may be addressed by other University policies.

II.III. POLICY TEXT STATEMENT

A. General Overview/Prohibited Behavior

The University prohibits sexual harassment and sexual violence. Such behavior violates both law and University policy. The University will respond promptly and effectively to reports of sexual harassment and sexual violence and will take appropriate action to prevent, to correct, and when necessary, to discipline behavior that violates this *Policy*.

The University prohibits sexual harassment and sexual violence. This behavior violates both the law and University policy. The University will respond as quickly as possible to any reports of sexual harassment and/or sexual violence. The University will take any and all appropriate action to prevent, correct, and when necessary, discipline behavior that violates this *Policy*. Any staff, student or academic employee in violation of this *Policy* may be subject to disciplinary action, up to and including dismissal.

Harassment that is not sexual in nature but is based on gender, gender identity, gender expression, sex or gender stereotyping, or sexual orientation also is prohibited by the University's nondiscrimination. The University prohibits sexual harassment and sexual violence. This behavior violates both the law and University policy. The University will respond as quickly as possible to any reports of sexual harassment and/or sexual violence. We will take any and all appropriate action to prevent, correct, and when

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~~necessary, to discipline behavior that violates this Policy. Any employee in violation of this Policy may be dismissed.~~

~~Harassment that may not be sexual, but still contributes to a hostile work or academic environment, also could violate the University's non-discrimination policies.¹ In order to determine if there has been sexual harassment or sexual violence, the University may take into account any acts of discrimination based on gender, gender identity, gender expression, sex- or gender-stereotyping, or sexual orientation.~~

~~if it denies or limits a person's ability to participate in or benefit from University educational programs, employment, or services. While discrimination based on these factors may be distinguished from sexual harassment, these types of discrimination may contribute to the creation of a hostile work or academic environment. Thus, for purposes of this policy, in determining whether a hostile environment due to sexual harassment exists, the University may take into account acts of discrimination based on gender, gender identity, gender expression, sex- or gender-stereotyping, or sexual orientation.~~

~~This Policy prohibits sexual harassment and sexual violence as defined in Section II. Conduct by an employee that is sexual harassment or sexual violence in violation of this Policy is considered to be outside the course and scope of employment.~~

B. Consensual Relationships

~~This Policy covers unwelcome conduct of a sexual nature. Consensual romantic relationships between members of the University community are subject to other University policies. For example, policies governing faculty-student relationships are detailed in The Faculty Code of Conduct. While romantic relationships between members of the University community may begin as consensual, they are not immune to instances of sexual harassment and/or sexual violence. Consensual romantic relationships between members of the University community also are subject to other University policies. For example, policies concerning that concern faculty-student relationships, which are can be found in The Faculty Code of Conduct. The Faculty Code of Conduct.² The Locations may have local policies pertaining to consensual relationships. While romantic relationships between members of the University community may begin as~~

¹ [University of California Nondiscrimination and Affirmative Action Policy Regarding Academic and Staff](#)

; [Nondiscrimination and Affirmative Action Policy Statement for University of California](#)

; [Academic Personnel Manual \(APM\) Section 035, Affirmative Action and Nondiscrimination in Employment](#); [Personnel Policies for Staff Members 12, Nondiscrimination in Employment](#); [University of California Policies Applying to Campus Activities, Organizations, and Students](#); and [Nondiscrimination Policy Statement for University of California Publications Regarding Student-Related Matters](#).

² ~~The Faculty Code of Conduct may be found in the [Academic Personnel Manual \(APM\) Section 015](#).~~

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consensual, they may evolve into situations that lead to charges of sexual harassment or sexual violence.

Various locations may have different local policies about consensual relationships.

C. Reporting Sexual Harassment or Sexual Violence

Each location will make known to the campus community, about where reports of sexual harassment and/or sexual violence can be made. Any member of the University community can report acts of sexual harassment or sexual violence to these designated employees, supervisors, managers, or Title IX Officer (Sexual Harassment Officer).

All designated employees must immediately forward the reports to the Title IX Officer (Sexual Harassment Officer). The reports will be reviewed and appropriate action will be taken in accordance with this Policy. Any manager, supervisor, or other designated employee responsible for who must report ing or responding to sexual harassment or sexual violence, who knew about an incident, and who took no action to stop it or failed to report or report it may be subject to disciplinary action.

Each location will identify staff who can provide confidential consultations to members of the University community seeking resources, information, and/or advice about making a sexual harassment and/or sexual violence report. While the University understands the desire for confidentiality and will consider such a request, the University also has a legal responsibility to the respondent. Depending on the situation, there are cases in which the University needs to inform the respondent of the source of the allegation.

(Information regarding confidentiality can be found in Section V.E and F.)

Each location will offer confidential consultations with designated staff for any member of the University community seeking resources, information, and/or advice about making a sexual harassment and/or sexual violence report, each location will offer confidential consultations with designated personnel. While we understand the desire for confidentiality, and will consider such a request, we also have a legal responsibility to the respondent. Depending on the situation, there are cases in which we need to inform him/her of the source of the allegation. (Information regarding confidentiality can be found in Section V.E and F.)

An individual may file a complaint or grievance alleging sexual harassment or sexual violence under the University complaint resolution or grievance procedure (Section V. Procedures; Appendix I: University Complaint Resolution and Grievance Procedures).

An individual may file a complaint or grievance alleging sexual harassment or sexual violence under the University complaint resolution or grievance procedure (Section V. Procedures; Appendix I: University Complaint Resolution and Grievance Procedures).

D. Response to Reports of Sexual Harassment or Sexual Violence

All locations will provide a prompt, fair, and neutral response to reports of sexual harassment or sexual violence, which may include Early Resolution, Formal

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Investigation, and/or targeted prevention training or educational programs. (See Section V, Procedures for more information.)

If an individual reports to the University that s/he has been a victim of domestic violence, dating violence, sexual assault, or stalking, s/he will be provided with a written explanation of his/her rights, as well as options, ~~considering~~ regardless of whether the offense occurred on- or off-campus, or on any University location.

If the University confirms an occurrence/occurrences of sexual harassment or sexual violence, the University may offer remedies to the individual or individuals harmed by the harassment and/or violence. These remedies will be consistent with “applicable complaint resolution” and “grievance procedures” (Appendix I: University Complaint Resolution and Grievance Procedures). Such remedies may include:

~~In the case where the University confirms an occurrence/occurrences of sexual harassment or sexual violence, the University will offer remedies to the individual or individuals harmed by the harassment and/or violence, which will. These remedies must be consistent with “applicable complaint resolution” and “grievance” procedures (Appendix I: University Complaint Resolution and Grievance Procedures). Such remedies may include:~~

- ~~• Counseling,~~
- ~~• A repeating opportunity to repeat course work without penalty,~~
- ~~• Changes to student housing assignments, and~~
- ~~• Or other appropriate interventions, such as changes in academic, living, transportation, or working situations.~~

~~Any member of the University community who engaged in sexual harassment or sexual violence is subject to disciplinary action including dismissal, in accordance with the applicable University disciplinary procedure. (Appendix II: University Disciplinary Procedures).~~

~~Any member of the University community who is found to have engaged in sexual harassment or sexual violence is subject to disciplinary action including dismissal, which is in accordance with the applicable University disciplinary procedure (Appendix II: University Disciplinary Procedures). or other University policy.~~

~~Generally, disciplinary action will be taken when the conduct is sufficiently severe, persistent, or pervasive that it alters the conditions of employment or limits the complainant’s opportunity to participate in or benefit from educational programs.~~

~~Generally, disciplinary action will be recommended when the conduct is sufficiently severe, persistent, or pervasive. More specifically, the conduct would alter the conditions of a person’s employment, or limit the harmed individual’s opportunity to participate in or benefit from educational programs.~~

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E. Protection for Complainants and Witnesses

To encourage reporting of sexual violence incidents, complainants and witnesses who participate in an investigation of sexual violence will not be subject to disciplinary sanctions or corrective actions for policy violations at or near the time of the incident, unless the University determines that the violation was egregious, including, but not limited, to an action that places the health or safety of any person at risk.

~~Complainants and/or witnesses who participate in an investigation of sexual violence will not be subject to any disciplinary sanctions or corrective actions for violating policy at or near the time of the incident.~~

~~If, however, the University determines that a violation made was egregious/blatant, including, but not limited to, an action that places the health or safety of any person at risk, then disciplinary/corrective action can be made.~~

FC. Retaliation

~~This Policy prohibits retaliation against a person who reports sexual harassment or sexual violence, assists someone with a report of sexual harassment or sexual violence, or participates in any manner in an investigation or resolution of a sexual harassment or sexual violence report. Retaliation includes threats, intimidation, reprisals, and/or adverse actions related to employment or education.~~

This Policy prohibits retaliation against a person who reports sexual harassment or sexual violence. This protection also extends to anyone who assists someone with a report and anyone involved in an investigation or resolution of a sexual harassment or sexual violence report. Retaliation includes, but is not limited to:

~~Any member of the University community who is found to have engaged in retaliation is subject to disciplinary action including dismissal in accordance with the applicable University disciplinary procedure (*Appendix II: University Disciplinary Procedures*) or other University policy. Just as we have a zero tolerance policy regarding sexual harassment and/or sexual violence, this Policy prohibits any form of retaliation against a person who reports sexual harassment or sexual violence. This protection also extends to anyone who assists someone with a report, and anyone involved in an investigation or resolution of a sexual harassment or sexual violence report. Retaliation includes, but is not limited to~~

the following:

- threats,
- intimidation, or
- paybacks/reprisals, and/or
- harmful (adverse) actions related to employment or education.

~~Any member of the University community who participates in retaliation may be subject to disciplinary action, including dismissal. This is in accordance with, according to the University disciplinary procedures (*Appendix II: University Disciplinary Procedures*).~~

D. Amnesty

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~~Complainants and witnesses who participate in an investigation of sexual violence will not be subject to disciplinary sanctions or corrective actions for policy violations at or near the time of the incident, unless the University determines that the violation was egregious, including, but not limited, to an action that places the health or safety of any person at risk.~~

EGD. Dissemination of the Policy, Educational Programs, and Employee Training **Provision of Educational Programs/Employee Training and** **Dissemination of** **the Policy**

~~As part of the University's commitment to providing a working and learning environment free from sexual harassment and sexual violence, this *Policy* shall be disseminated widely to the University community through publications, websites, new employee orientations, student orientations, and other appropriate channels of communication. The locations shall make preventive educational materials and prevention training available to all members of the University community to promote compliance with this *Policy* and familiarity with local procedures. The locations will also make available prevention training to designated individuals. In addition, the University will provide annual training to investigators and hearing officers. Each location shall post a copy of this *Policy* in a prominent place on its website (See Section V. Procedures).~~

To promote compliance with this *Policy* and familiarity with the procedures, each location must provide training and make preventive educational materials available to all members of the University community. In addition, the University will provide annual training to investigators and hearing officers. Each location must post a copy of this *Policy* in a prominent place on its website (See Section V. Procedures).

As part of the University's commitment to provide a working and learning environment free from sexual harassment and sexual violence, this *Policy* must be distributed to the entire University community through:

- publications,
- websites,
- new employee orientations,
- student orientations, and
- other appropriate channels of communication.

As part of the University's commitment to provide a working and learning environment free from sexual harassment and sexual violence, this *Policy* must be distributed to the entire University community through

- Publications,
- Websites,
- New employee orientations,
- Student orientations, and
- Other appropriate channels of communication.

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~~To promote compliance with this *Policy* and familiarity with the procedures, each location must make preventive educational materials available to all members of the University community. In addition, the University will provide annual training to investigators and hearing officers. Each location must post a copy of this *Policy* in a prominent place on its website (See Section V. Procedures).~~

~~**E.F. Reporting Sexual Harassment or Sexual Violence**~~

~~Any member of the University community may report conduct that may constitute sexual harassment or sexual violence to any supervisor, manager, or Title IX Officer (Sexual Harassment Officer). Each location shall designate University employees responsible for reporting sexual harassment and sexual violence, and notify the campus community as to whom has been designated to carry out this function. Supervisors, managers, and other designated employees are responsible for promptly forwarding such reports to the Title IX Officer (Sexual Harassment Officer) or other local official designated to review and investigate sexual harassment and sexual violence complaints. Any manager, supervisor, or designated employee responsible for reporting or responding to sexual harassment or sexual violence who knew about the incident and took no action to stop it or failed to report the prohibited act may be subject to disciplinary action.~~

~~Consulting with a confidential resource is not considered a report of sexual harassment or sexual violence. Requests regarding the confidentiality of reports of sexual harassment or sexual violence will be considered in determining an appropriate response; however, such requests will be considered in the dual contexts of the University's obligation to ensure a working and learning environment free from sexual harassment and sexual violence and the due process rights of the respondent to be informed of the allegations and their source. See Section V.E and F for more information regarding confidentiality and privacy. Also, an individual may file a complaint or grievance alleging sexual harassment or sexual violence under the applicable University complaint resolution or grievance procedure (*Section V. Procedures; Appendix I: University Complaint Resolution and Grievance Procedures*).~~

~~**GF. Response to Reports of Sexual Harassment or Sexual Violence**~~

~~The locations shall provide a prompt, fair and impartial response to reports of sexual harassment or sexual violence, which may include Early Resolution, Formal Investigation, and/or targeted prevention training or educational programs. See Section V, Procedures for more information.~~

~~If an individual reports to the University that the individual has been a victim of domestic violence, dating violence, sexual assault, or stalking, s/he shall be provided with a written explanation of the individual's rights and options whether the offense occurred on- or off-campus or on any University location.~~

~~Upon a finding of sexual harassment or sexual violence, the University may offer remedies to the individual or individuals harmed by the harassment and/or violence consistent with applicable complaint resolution and grievance procedures (*Appendix I: University Complaint Resolution and Grievance Procedures*). Such remedies may~~

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~~include counseling, an opportunity to repeat course work without penalty, changes to student housing assignments, or other appropriate interventions, such as changes in academic, living, transportation, or working situations.~~

~~Any member of the University community who is found to have engaged in sexual harassment or sexual violence is subject to disciplinary action including dismissal in accordance with the applicable University disciplinary procedure (*Appendix II: University Disciplinary Procedures*) or other University policy. Generally, disciplinary action will be recommended when the conduct is sufficiently severe, persistent, or pervasive that it alters the conditions of employment or limits the opportunity to participate in or benefit from educational programs.~~

GH. Free Speech and Academic Freedom

The faculty and other academic appointees, staff, and students of the University of California enjoy significant free speech protections guaranteed by the First Amendment of the United States Constitution and Article I, Section I of the California Constitution. This *Policy* is intended to protect members of the University community from discrimination, not to regulate protected speech. This *Policy* shall be implemented in a manner that recognizes the importance of rights to freedom of speech and expression.

The University also has a compelling interest in free inquiry and the collective search for knowledge and thus recognizes principles of academic freedom as a special area of protected speech. Consistent with these principles, no provision of this *Policy* shall be interpreted to prohibit conduct that is legitimately related to the course content, teaching methods, scholarship, or public commentary of an individual faculty member or the educational, political, artistic, or literary expression of students in classrooms and public forums. However, freedom of speech and academic freedom are not limitless and do not protect speech or expressive conduct that violates federal or state anti-discrimination laws.

~~As participants in a public university, the faculty and other academic appointees, staff, and students of the University of California enjoy significant free speech protections guaranteed by the First Amendment of the United States Constitution and Article I, Section I of the California Constitution. This *Policy* is intended to protect members of the University community from discrimination, not to regulate protected speech. This *Policy* shall will be implemented in a manner that recognizes the importance of rights to freedom of speech and expression.~~

The University also has a compelling interest believes in and supports free inquiry, and as well as the collective search for knowledge. T and thusherefore, we recognizes the principles of academic freedom as a special area of protected speech. Consistent with these principles, no provision of this *Policy* shallshould be interpreted to prohibitprohibits

—conduct that is legitimately related to the course content, teaching methods, and scholarship.; Nor should it be interpreted to prohibit

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~~—, or an individual faculty member's public commentary, of an individual faculty member or the educational, political, artistic, or and literary expression of students in classrooms and public forums.~~

~~However, freedom of speech and academic freedom are not limitless have limits, and do not protect speech or expressive conduct that violates federal or state anti-discrimination laws.~~

I. Additional Enforcement Information

The federal Equal Employment Opportunity Commission (EEOC) and the California Department of Fair Employment and Housing (DFEH) investigate complaints of unlawful harassment, including sexual violence, in employment. The U.S. Department of Education Office for Civil Rights (OCR) investigates complaints of unlawful harassment and sexual violence by students in educational programs or activities. These agencies may serve as neutral fact finders and attempt to facilitate the voluntary resolution of disputes with the parties. For more information, contact the nearest office of the EEOC, DFEH or OCR.

III.IV. COMPLIANCE / RESPONSIBILITIES

A. Implementation of the Policy

Responsible Officers have the authority to develop procedures or other supplementary information to support the implementation of this Policy. Responsible Officers may apply appropriate and consistent interpretations to clarify the Policy provided that the interpretations do not result in substantive changes to the Policy.

The Executive Officer at each location is authorized to establish and is responsible for local procedures to implement the Policy. Local procedures must be consistent with the Policy. Exceptions to procedures required by the Policy must be approved by the Executive Officer.

Executive Officers and Responsible Officers are authorized to delegate responsibility for establishing local procedures necessary to implement the Policy.

Each location is responsible for describing each type of disciplinary proceeding used by the location. This includes the steps, anticipated timelines, and decision-making process for each type of disciplinary proceedings. The procedures must also describe how the campus determines which type of proceeding to use based on the circumstances of an allegation.

~~R~~The Executive Officer, as well as designated, Responsible Officers at each location, hare responsible for, and authorized to, establish local procedures that implement the Policy. These designated officers ave the authority to develop procedures or other supplementary information to support the implementation of this Policy. Responsible Officers may apply appropriate and consistent interpretations can interpret the Policy, but only when appropriate and for the sake of clarification. to clarify the Policy provided

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~~that the interpretations do should not result in substantive changes to the *Policy's* actual substance.~~

~~The Executive Officer at each location is authorized to establish and is responsible for local procedures to implement the *Policy*. Local procedures must be consistent with the *Policy*. The Executive Officer and Responsible Officers are also authorized to determine the responsibilities and authority at a secondary administrative level. Exceptions to procedures required by the *Policy* must be approved by the Executive Officer.~~

~~Executive Officers and Responsible Officers are authorized to determine responsibilities and authorities at secondary administrative levels to establish local procedures necessary to implement the *Policy*.~~

~~Each campus is responsible for dEach campus is responsible for creating a detailed description for each type of disciplinary proceeding describing each type of disciplinary proceeding used by the campus. This includes Descriptions include the steps, anticipated timelines, and decision-making processes for each type of disciplinary proceedings. The procedures must also describe how the campus determines which type of proceeding to use, based on the circumstances of an allegation.~~

B. Revisions to the Policy

~~The President approves the *Policy* and has the authority to approve revisions upon recommendation by the Responsible Officers.~~

~~The Responsible Officers have the authority to initiate revisions to the *Policy* consistent with approval authorities and applicable Bylaws, Standing Orders, and Policies of The Regents.~~

~~The UC Provost and Executive Vice President of Academic Affairs, and the UC Executive Vice President – Chief Operating Officer have the authority to ensure that the *Policy* is reviewed regularly and updated in a manner that is consistent with other University policies.~~

~~The President approves the *Policy* and has the authority to approve revisions upon Responsible Officers' recommendation by the Responsible Officers.~~

~~The Responsible Officers have the authority to initiate revisions to the *Policy*, consistent with:~~

- ~~— Approval authorities~~
- ~~— Applicable Bylaws~~
- ~~— Standing Orders~~
- ~~— Policies of The Regents.~~

~~approval authorities and applicable Bylaws, Standing Orders, and Policies of The Regents.~~

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~~The UC Provost and Executive Vice President, and the Executive Vice President – Business Operations, have the authority to ensure that the Policy is reviewed regularly and that it is updated in a manner that is consistent with other University policies.~~

C. Approval of Actions

Actions within the Policy must be approved ~~in accordance~~according to ~~with~~ local procedures.

D. Compliance with the Policy

The Executive Officer at each location will designate the local management office that is responsible for monitoring, enforcing, and reporting Policy compliance.

The Senior Vice President – Chief Compliance and Audit Officer will periodically audit and monitor compliance with the Policy.

E. Noncompliance with the Policy

~~Noncompliance with the Policy is managed according to the Policy on Student Conduct and Discipline, Personnel Policies for Staff Members 61, 62, 63, 64, 65, and <http://policy.ucop.edu/doc/401041667> pertaining to disciplinary and separation matters, and according to other University policies, including but not limited to, The Faculty Code of Conduct (APM - 015) and University Policy on Faculty Conduct and the Administration of Discipline (APM - 016), Non-Senate Academic Appointees/Corrective Action and Dismissal (APM-150) or, as applicable, collective bargaining agreements. Reference Section VI and Appendices I and II.~~

~~required~~ Noncompliance with the Policy is managed in accordance with~~according to the Policy on Student Conduct and Discipline, Personnel Policies for Staff Members 61, 62, 63, 64, 65, and 67 pertaining to disciplinary and separation matters, and in accordance with~~according to other University policies, including but not limited to, The Faculty Code of Conduct (APM - 015) and University Policy on Faculty Conduct and the Administration of Discipline (APM - 016), Non-Senate Academic Appointees/Corrective Action and Dismissal

~~or, as applicable, collective bargaining agreements. Reference Section VI and Appendices I and II.~~

IV.V. PROCEDURES

A. Location Responsibilities

~~In accordance with state and federal law, t~~The~~Each~~ locations shall ~~must:-~~ do the following:

1. Establish an independent, confidential Advocacy Office for sexual violence, dating violence, domestic violence, stalking, and sexual assault called CARE: Advocacy Office for Sexual and Gender-Based Violence and Misconduct.

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~~— Establish an independent, confidential Advocacy Office for sexual misconduct (sexual violence, dating violence, domestic violence, stalking, and sexual assault) called CARE: Advocacy Office for Sexual and Gender-Based Violence and Misconduct.~~

2. Establish a consistent response team model consisting of two teams:

a. A Case Management Team (CMT) which maintains consistent coordination of reported sexual violence cases, ensures all cases are addressed efficiently and effectively, and ensures the response is trauma-informed; and

b. A Coordinated Community Review Team (CCRT) responsible for a campus collaborative approach to preventing and addressing sexual misconduct. The CCRT serves in an advisory capacity to campus leadership and community members about best practices in policies, education, prevention and response to sexual misconduct.

3. Provide mandatory training and education about sexual harassment and sexual violence prevention to all students, faculty, other academic staff, and staff.

~~1. Offer training and education to the University community surrounding sexual harassment prevention and abusive conduct. training and education to the University community, and, consistent with California Government Code 12950.1, provide sexual harassment prevention training and education to each supervisory employee;~~

~~— Offer prevention education programs to all incoming students and new employees.~~

4. Offer and ongoing primary prevention programs and awareness campaigns to the University community, in order, to promote ongoing awareness of:

- Rape and acquaintance rape,
- Domestic violence,
- Dating violence,
- Sexual assault, and
- Stalking

stalking, These campaigns will include, but are not limited to, education surrounding about:

- the definition of consent,
- consensual relationships,
- options for bystander intervention, and
- risk reduction awareness information.

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- 2-5. Offer comprehensive, annual training, for individuals conducting formal investigations of reports or conducting hearings on issues related to responding to sexual violence, including trauma-informed approaches as defined in this *Policy*, ~~for individuals conducting formal investigations of reports or conducting hearings~~.
- 3-6. Provide all members of the University community with a process for reporting sexual harassment or sexual violence ~~in accordance with~~ according to the *Policy*.
- 4-7. Identify on- and off-campus resources for reporting sexual harassment or sexual violence, including law enforcement, medical, and victim support services;
- 5-8. Provide prompt and effective response to reports of sexual harassment, sexual violence, or reports of retaliation related to reports of sexual harassment or sexual violence, ~~in accordance with~~ according to the *Policy*.
- 6-9. Provide written notification as outlined in Section V.B.1 of the *Policy*; ~~and~~.
- 7-10. ~~DDesignate~~ UU designate trained individuals, ~~including, or other than, the Title IX Officer (Sexual Harassment Officer)~~ to serve as resources for members of the University community who have questions or concerns regarding behavior that may be sexual harassment or sexual violence.
11. Conduct proceedings that incorporate these additional elements:
- Timely notice of meetings, at which the respondent or complainant, or both, may be present.
 - Timely access to any information that will be used after the fact-finding investigation, but during informal and formal disciplinary meetings and hearings, to the complainant, the respondent, and appropriate officials.
 - Timely proceedings conducted by officials who do not have a conflict of interest, or bias for or against the complainant or the respondent.
12. Establish and designate a Title IX Officer (Sexual Harassment Officer). The names and contact information for the Title IX Officer (Sexual Harassment Officer) as well as any designated, trained, sexual harassment or sexual violence advisors, will be posted with the *Policy* and local procedures on the location's website and will be readily accessible to the University community. The responsibilities of the Title IX Officer (Sexual Harassment Officer) include, but may not be limited to, the duties listed below:

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- Coordinate with other responsible units to ensure that local sexual harassment and sexual violence prevention education and training programs are offered and provided, as required by the *Policy*.
- Disseminate the *Policy* to the University community.
- Provide educational materials to promote compliance with the *Policy* and familiarity with local reporting procedures.
- Train University employees who are responsible for reporting or responding to reports of sexual harassment.
- Provide prompt and effective response to reports of sexual harassment or sexual violence according to the *Policy*.
- Maintain records of reports of sexual harassment and sexual violence at the location, as well as any actions taken in response to reports, including records of investigations, voluntary resolutions, and disciplinary action, as appropriate.
- Identify and address any patterns or systemic problems that arise during the review of sexual harassment and sexual violence complaints.

13. Distribute and post this Policy. Each location is required to distribute this policy to students, faculty, other academic staff and staff. Examples include, websites, student information boards, student handbook, faculty handbook and staff websites and information boards and during training and student orientation.

Proceedings will incorporate these additional elements:

- ~~Includes t~~Timely notice of meetings, at which the respondent or complainant, or both, may be present.
- ~~Provides t~~Timely access to any information that will be used after the fact-finding investigation, but during informal and formal disciplinary meetings and hearings, to the complainant, the respondent, and appropriate officials to any information that will be used after the fact-finding investigation but during informal and formal disciplinary meetings and hearings.
- ~~Is~~Are cTimely proceedings conducted by officials who do not have a conflict of interest, or bias for or against the complainant or the respondent.

Title IX Officer (Sexual Harassment Officer)

~~Each location shall~~will designate a single Title IX Officer (Sexual Harassment Officer). ~~The names and contact information for the Title IX Officer (Sexual Harassment Officer) and~~as well as any designated, trained, sexual harassment or sexual violence advisors, ~~shall~~will be posted with the *Policy* and local procedures on the location's website and ~~will~~be readily accessible to the University community. ~~The responsibilities of the Title~~

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IX Officer (Sexual Harassment Officer) include, but may not be limited to, the duties listed below:

- ~~Coordinate with other responsible units in order to ensure that local sexual harassment and sexual violence prevention education and training programs are offered and provided, as required by the Policy;~~
- ~~Disseminate the *Policy* widely to the University community;~~
- ~~Provide educational materials to promote compliance with the *Policy* and familiarity with local reporting procedures;~~
- ~~Train University employees who are responsible for reporting or responding to reports of sexual harassment;~~
- ~~Provide prompt and effective response to reports of sexual harassment or sexual violence in accordance with according to the *Policy*;~~
- ~~Maintain records of reports of sexual harassment and sexual violence at the location, as well as any and actions taken in response to reports, including records of investigations, voluntary resolutions, and disciplinary action, as appropriate; and~~
- ~~Identify and address any patterns or systemic problems that arise during the review of sexual harassment and sexual violence complaints.~~

B. Procedures for Reporting and Responding to Reports of Sexual Harassment -or Sexual Violence

All members of the University community are encouraged to contact the Title IX Officer (Sexual Harassment Officer) if they observe or encounter conduct that may ~~be subject to the~~ violate the *Policy*. This includes conduct by employees, students, or third parties.

Reports of sexual harassment or sexual violence may be brought to the Title IX Officer (Sexual Harassment Officer). They may also be brought, ~~or~~ to any manager, supervisor, or other designated employee who is responsible for responding to reports of sexual harassment or sexual violence.

If the person to whom harassment normally would be reported is actually the individual being accused of harassment, reports may be made to another manager, supervisor, ~~or~~ other designated employee.

When a report is received, managers, supervisors, and all designated employees are required to notify the Title IX Officer (Sexual Harassment Officer) or another appropriate official designated by the location, who will then review the sexual harassment and sexual violence complaints and take appropriate action in accordance with this Policy.

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~~When a report is received, mManagers, supervisors, and designated employees are required to notify the Title IX Officer (Sexual Harassment Officer) or another appropriate official designated, who will then to review and investigate sexual harassment complaints when a report is received.~~

Reports of sexual harassment or sexual violence should be brought forward as soon as possible after the alleged conduct occurs. While there is no stated timeframe for reporting, prompt reporting will ~~make it easier for~~^{better enable} the University to respond to the report, determine the issues, and provide an appropriate remedy and/or action. All incidents should be reported, even if a significant amount of time has passed. However, delaying a report may ~~impede~~^{make it difficult for} the University's ~~ability~~ to conduct an investigation and/or to take appropriate remedial actions.

1. Required Notifications For Reports of Sexual Violence

~~When the University receives a report that a student or employee has been a victim of sexual violence, the University will provide a written explanation of rights and available options to the complainant, including procedures to follow. This will be provided regardless of whether the offense occurred on campus or in connection with any University program. The written information shall include:~~

~~When the University receives a report that a student or employee has been a victim of domestic violence, dating violence, sexual assault, or stalking, tThe University will provide a written explanation of available rights and options available to the complainant, including procedures to follow. This will be provided, when the University receives a report that the student or employee has been a victim of domestic violence, dating violence, sexual assault, or stalking, regardless of whether the offense occurred on or off campus or in connection with any University program. The written information shall include:~~

- ~~•~~
- How and to whom the alleged offense should be reported.
- Options for reporting to and/or notifying law enforcement and campus authorities; the right to be assisted by campus authorities in notifying law enforcement authorities, if the complainant so chooses; and the right to decline to notify such authorities.
- The rights of complainants regarding orders of protection, no contact orders, restraining orders, or similar lawful orders issued by criminal or civil courts, as well as the University's responsibilities regarding such orders.
- The importance of preserving evidence that may assist in proving that the alleged criminal offense occurred or may be helpful in obtaining a protection order.

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- Existing counseling, health, mental health, victim advocacy, legal assistance, visa and immigration assistance, and other services available both within the institution and the community.
 - Options for, and available assistance to, change academic, living, transportation, and working situations, if the complainant requests, and if such options are reasonably available—regardless of whether the victim chooses to report the crime to campus police or local law enforcement;
 - Any applicable procedures for institutional disciplinary action.
-
- ~~How and to whom the alleged offense should be reported;~~
 - ~~options Options for reporting to and/or notifying law enforcement and campus authorities, including the option to notify local or on-campus law enforcement authorities; the right to be assisted by campus authorities in notifying law enforcement authorities, if the complainant so chooses; and the right to decline to notify such authorities;~~
 - ~~the The rights of complainants regarding orders of protection, no contact orders, restraining orders, or similar lawful orders issued by criminal or civil courts, as well as and the University's responsibilities regarding such orders;~~
 - ~~the The importance of preserving evidence, as when may be necessary, in order to prove criminal domestic violence, dating violence, sexual assault, or stalking, or to obtain a protection order;~~
 - ~~existing Existing counseling, health, mental health, victim advocacy, legal assistance, visa and immigration assistance, and other services available both within the institution and the community;~~
 - ~~options Options for, and available assistance to, change academic, living, transportation, and working situations, if the complainant requests, and if such options are requested by the complainant and if reasonably available—, regardless of whether the victim chooses to report the crime to campus police or local law enforcement;~~
 - ~~Any applicable procedures for institutional disciplinary action.~~

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2. Options for Resolution

Individuals reporting sexual harassment or sexual violence must be informed about their options. These options include but are not limited to:

- Early Resolution,
- Formal Investigation, and
- Filing complaints or grievances under the applicable University complaint resolution or grievance procedures.

Individuals making reports must also be informed about the confidentiality of reporting under this Policy (see Section V.G below).

Locations must respond promptly and effectively to reports of sexual harassment and sexual violence regardless of whether the reports are brought forth anonymously or by third parties who are not directly involved in the asserted offenses. However, the response to such reports may be limited if the information in the report cannot be verified by independent facts.

Individuals reporting sexual harassment and sexual violence must be informed about the range of possible outcomes of the report including:

- temporary protections,
- remedies for the individual harmed by the incident,
- disciplinary actions that might be taken as a result of the report, and
- information about the procedures leading to such outcomes.

An individual who experiences retaliation (e.g., threats, intimidation, reprisals, or adverse employment or educational actions) may report it. Retaliation could be experienced by those who:

- reported sexual harassment or sexual violence, in good faith;
- assisted someone with a report of sexual harassment or sexual violence; or
- participated in any manner in an investigation or resolution of a report of sexual harassment or sexual violence

(The report of retaliation shall be subject to the procedures in Section V.B.3 and Section V.B.4 below.)

~~Individuals reporting sexual harassment or sexual violence shall~~must ~~be informed about their options for resolving potential violations of the Policy. These options shall~~will ~~include:~~

~~procedures for E~~early Resolution,
~~procedures for F~~ormal Investigation, and

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~~Individuals filing complaints or grievances under the applicable University complaint resolution or grievance procedures.~~

~~Individuals making reports also shall must also be informed about the confidentiality of reporting policies applying to confidentiality of reports under this Policy (see Section V.G below).~~

~~Locations must shall respond extensively to to reports of sexual harassment and sexual violence to the the greatest extent possible to reports of sexual harassment and sexual violence. This applies regardless of whether the reports are brought forth anonymously or brought by third parties who are not directly involved in the asserted offenses. However, the response to such reports may be limited if the information contained in the report cannot be thoroughly verified by independent facts.~~

~~Individuals reporting sexual harassment and sexual violence shall must be informed about the range of possible outcomes of the report. This, includes:ing including~~

~~li temporary interim protections;~~

~~li remedies for the individual harmed by the incident;~~

~~li disciplinary actions that might be taken against the respondent as a result of the report; and;~~

~~li including information about the procedures leading to such outcomes.~~

~~An individual who experiences is subjected to retaliation (e.g., threats, intimidation, reprisals, or adverse employment or educational actions) may report it. Retaliation could be experienced by those who~~

~~(e.g., threats, intimidation, reprisals, or adverse employment or educational actions) for~~

~~h having made a report reported of sexual harassment or sexual violence, in good faith;~~

~~who assisted someone with a report of sexual harassment or sexual violence; or~~

~~or who participated in any manner in an investigation or resolution of a report of sexual harassment or sexual violence;~~

~~(The report of retaliation shall be subject to the procedures in Section V.B.3 and Section V.B.4 below.)~~

~~may make a report of retaliation under these procedures. The report of retaliation shall be subject to the procedures in Section V.B.3 and Section V.B.4 below.~~

3. Procedures for Early Resolution

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The goal of Early Resolution is to resolve concerns with the cooperation of all parties involved, at the earliest stage possible. Locations are encouraged to use Early Resolution options only when the people involved desire to do so, or when a Formal Investigation is not likely to lead to a satisfactory outcome. Participation in the Early Resolution process is voluntary. Therefore, the University does not require that parties attempt to participate in Early Resolution before a Formal Investigation. Mediation, even if voluntary, may not be used in cases involving sexual violence. Some reports of sexual harassment may not be appropriate for mediation, and may first and foremost require a Formal Investigation. The University will not compel a complainant to engage in mediation.

Early Resolution may include an inquiry into the facts, but typically does not include a formal investigation. Means for Early Resolution should be flexible and include a full range of possible and appropriate outcomes.

Early Resolution includes, but is not limited to, the following options:

- mediating an agreement between the parties (not for incidents of sexual violence),
- separating the parties,
- referring the parties to counseling programs,
- negotiating an agreement for disciplinary action,
- conducting targeted preventive educational and training programs,
- providing remedies for the individual harmed by the offense,
- discussions with the parties,
- making recommendations for resolution, and
- conducting a follow-up review after a period of time to assure that the resolution has been implemented effectively.

Early Resolution might be appropriate for responding to anonymous reports and/or third party reports. All of the steps taken to encourage Early Resolution, and any agreements reached through Early Resolution, should be documented.

~~The goal of Early Resolution is to resolve concerns with the cooperation of all parties involved, at the earliest stage possible. Locations are encouraged to utilize use Early Resolution options only when the parties people involved desire to do so resolve the situation cooperatively, and/or when a Formal Investigation is not likely to lead to a satisfactory outcome. Participation in the Early Resolution process is voluntary.~~

~~Early Resolution may include an inquiry into the facts, but typically does not include a formal investigation. Means for Early Resolution shallshould be flexible and encompassinclude a full range of possible possible, and appropriate, outcomes.~~

~~Early Resolution includes options such as: the following options:~~

- ~~— Mmediating an agreement between the parties,~~
- ~~— Sseparating the parties,~~
- ~~— Rreferring the parties to counseling programs,~~

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- ~~N~~negotiating an agreement for disciplinary action,
- ~~C~~conducting targeted preventive educational and training programs,
- ~~o~~r ~~p~~roviding remedies for the individual harmed by the offense,
- ~~d~~iscussions with the parties,
- ~~m~~aking recommendations for resolution, and
- ~~c~~conducting a follow-up review after a period of time to assure that the resolution has been implemented effectively.

~~Early Resolution also includes options such as~~ ~~D~~discussions with the parties,
~~M~~making recommendations for resolution,
~~a~~nd ~~C~~conducting a follow-up review after a period of time to assure ~~e~~nsure that the resolution has been implemented effectively.

~~Early Resolution might~~ be appropriate for responding to anonymous reports and/or third party reports. ~~All of the~~ ~~s~~Steps taken to encourage Early Resolution, and any agreements reached through Early Resolution efforts, should be documented.

~~While the University encourages Early Resolution of a complaint, again, it~~ ~~this option is~~ ~~voluntary. Thus~~ ~~herefore, t~~he University does not require that parties ~~attempt to~~ participate in Early Resolution ~~prior~~ ~~before~~ a to the University's decision to initiate a Formal Investigation is made. Some reports of sexual harassment or sexual violence may not be appropriate for mediation, but ~~and~~ may ~~first and foremost~~ require a Formal Investigation, at the discretion of the Title IX Officer (Sexual Harassment Officer) or other appropriate official designated to review and investigate sexual harassment complaints. ~~T~~he University will not compel a complainant to engage in mediation. Mediation, even if voluntary, may not be used in cases involving sexual violence.

4. Procedures for Formal Investigation

In cases where Early Resolution is inappropriate or ~~in cases where Early Resolution~~ is unsuccessful, ~~the~~ location may conduct a Formal Investigation.

~~In such cases, the individual making the report may be asked to file a written request for Formal Investigation. The wishes of the individual making the request will be considered, but will not solely determine whether a Formal Investigation into the report of sexual harassment or sexual violence is conducted.~~

~~In such cases, the individual making the report may be asked~~ encouraged to file a written request for Formal Investigation. The wishes of the individual making the request shall ~~will~~ be considered, but are not determinative, ~~in~~ ~~will not solely determine~~ the decision to ~~whether~~ initiate a Formal Investigation ~~of~~ ~~into~~ ~~at~~ the report of sexual harassment or sexual violence is made.

In cases where there is no written request, the Title IX Officer (Sexual Harassment Officer) or other appropriate, ~~designated~~ officials ~~designated to review and investigate sexual harassment complaints, will make a preliminary inquiry into the facts. potentially in consultation with the administration, Such officials could then~~ may initiate a Formal Investigation ~~after making a preliminary inquiry into the facts.~~

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In cases where a complainant states that he or she does not want to pursue a Formal Investigation, the Title IX Officer (Sexual Harassment Officer) should inform the complainant that the ability to investigate may be limited. When determining whether to go forward with a Formal Investigation, the Title IX Officer (Sexual Harassment Officer) may consider:

~~In cases where a complainant states that he or she does not want to pursue a Formal Investigation, the Title IX Officer (Sexual Harassment Officer) should inform the complainant that the ability to investigate may be limited. When determining whether to go forward with a Formal Investigation, the Title IX Officer (Sexual Harassment Officer) may consider~~

⋮

- ~~• 1) The seriousness of the allegation.~~
- ~~• 2) In the case of a student complainant, the age of the student, in the case of a student complainant,~~
- ~~• 3) Whether if there have been other complaints or reports against the the respondent, and~~
- ~~• 4) If there will be a formal proceedings with sanctions, and whether if the accused individual has the right to receive information about the complainant and/or the allegations. the rights of the accused individual to receive information about the complainant and the allegations if formal proceedings with sanctions may result from the investigation.~~

Even if a complainant does not want to pursue an investigation, under some circumstances, the Title IX Officer (Sexual Harassment Officer) may have an obligation to investigate a complaint. For example, such as when there is could be a risk to the campus community if the respondent remains on campus. The complainant should be made aware of that there could be this independent obligation to investigate the complaint.

(a) To provide a prompt, fair, and impartial investigation and resolution, any Formal Investigation of reports of sexual harassment and/or sexual violence must incorporate the following standards:

The individual(s) accused of conduct violating the *Policy* must be provided with a copy of the written request for Formal Investigation or otherwise given a full and complete written statement of the allegations, and a copy of the *Policy*; and

The individual(s) conducting the investigation must:

- Be familiar with the *Policy*;
- Have training or experience in conducting investigations;

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- iii) Be familiar with the relevant policies and procedures specific to students, staff, faculty, academic appointees, and visitors; and,
- iv) For cases involving allegations of sexual violence, the individual(s) conducting the investigation must receive annual training on issues related to sexual violence. Such training includes how to conduct an investigation that protects the safety of the complainants and promotes accountability.

(a) In order to provide a prompt, fair, and impartial investigation and resolution, any Formal Investigation of reports of sexual harassment and/or sexual violence shall must incorporate the following standards:

- i. The individual(s) accused of conduct violating the *Policy* shall must be provided
 - with a copy of the written request for Formal Investigation or otherwise given a
 - full and complete written statement of the allegations, and a copy of the *Policy*; and
- ii. The individual(s) conducting the investigation shall must be
 - familiar with the *Policy*;
 - have training or experience in conducting investigations, and (if relevant);
 - and as relevant to the investigation, (if relevant) be familiar with policies and procedures specific to students, staff, faculty, academic appointees, and visitors.

For cases involving allegations of sexual violence, the individual(s) conducting the investigation must receive annual training on issues related to sexual violence. Such training includes how to conduct an investigation that protects the safety of the complainants and promotes accountability.

(b) If the alleged conduct is also the subject of a criminal investigation, the campus may not wait for the end of the criminal investigation to begin an investigation under to this *Policy*. However, a campus may need to coordinate its fact-finding efforts with the police investigation. Once notified that the police department has completed its gathering of evidence (not the ultimate outcome of the investigation or the filing of any criminal charges), the campus must promptly resume and complete its fact-finding for the sexual harassment or sexual violence investigation. (b) If the alleged conduct is also the subject of a criminal investigation, the campus may does not have to wait for the conclusion end of of the criminal investigation in order to begin an investigation

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~~pursuant to this Policy. However, a campus may need to coordinate its fact-finding efforts with the police investigation. Once notified that the police department has completed its gathering of evidence (not the ultimate outcome of the investigation or the filing of any criminal charges), the campus must promptly resume and complete its fact-finding for the sexual harassment or sexual violence investigation.~~

~~(c) In order to conduct a fair and thorough investigation, disclosing facts to parties and witnesses should be limited to what is reasonably necessary. Participants in an investigation should be advised to maintain that maintaining the confidentiality of an investigation if it is essential in order to protect the investigation's integrity of the investigation. The investigation generally shall include:~~

~~(c)~~

- ~~• interviews with the parties, if available,~~
- ~~• interviews with other witnesses as needed, and~~
- ~~• a review of relevant documents as appropriate. interviews with the parties if available, interviews with other witnesses as needed, and a review of relevant documents as appropriate. Disclosure of facts to parties and witnesses shall be limited to what is reasonably necessary to conduct a fair and thorough investigation. Participants in an investigation shall be advised that maintaining confidentiality is essential to protect the integrity of the investigation.~~

~~(d) The investigator shall apply a preponderance of the evidence standard to determine shall should use apply a preponderance of evidence standard as much evidence as possible in order to determine whether there has been a violation of this Policy.~~

~~(e) Upon request, The complainant and the respondent may each request to have a representative present when he or she is interviewed, and at any other proceeding or related meeting. Other witnesses may also have a representative present if approved by the investigator, or if required by University policy or a collective bargaining agreement. The complainant and the respondent may each request to have a representative present when he or she is interviewed, and at any subsequent other proceeding or related meeting. Other witnesses may also have a representative present at the discretion of if approved by the investigator, or as if it is required by applicable certain University policies or collective bargaining agreement, or a collective bargaining agreement.~~

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(f) At any time during the investigation, the investigator can recommend that certain temporary protections or solutions be provided by appropriate University officials for the parties or witnesses. These protections or remedies may include:

~~— At any time during the investigation, the investigator may can recommend that interim certain temporary protections or remedies solutions for the parties or witnesses be provided by appropriate University officials for the parties or witnesses. These protections or remedies may include:~~

- separating the parties.
- placing limitations on the contact between the parties, or
- making alternative working or student housing arrangements.

Failure to comply with the terms of interim temporary protections may be considered a separate violation of this *Policy*.

(g) The investigation shall should be completed as promptly quickly as possible and in most cases within 60 working days offrom the date that the formal investigation was initiated started. This deadline may can be extended if the designated on approval by a designated University official approves. Extensions of timeframes Timeframe extensions will only be made for good cause, with written notification see to the complainant and the respondent of the delay, and including the reason for the delay.

(h) Generally, an investigation results in a written report. The report is submitted to a designated University official with the authority to implement the necessary actions that aim to resolve the complaint. The report can be used as evidence in other related procedures, for example: future complaints, grievances and/or disciplinary actions.

In accordance According to University policy (that governs privacy and access to personal information, ³), 1) the complainant and the respondent may request a copy of the investigative report. However, and 2) also in accordance with University policy, the report must be redacted to protect the privacy of any personal and confidential information regarding all individuals other than the individual requesting the report.

that at a minimum includes a statement of the allegations and issues, the positions of the parties, a summary of the evidence, findings of fact, and a determination by the investigator whether this Policy has been violated. The report also may contain a recommendation for actions to resolve the complaint, including preventive educational programs, remedies for the complainant, and a referral to disciplinary procedures as appropriate. The report is submitted to a

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~~designated University official with authority to implement the actions necessary to resolve the complaint. The report may be used as evidence in other related procedures, such as subsequent complaints, grievances and/or disciplinary actions.~~

~~(h)–~~

~~(i) The complainant shall be informed if there were findings made that the Policy was or was not violated and of actions taken to resolve the complaint, if any. At the conclusion of any University disciplinary proceeding, the complainant and the respondent will be informed of the outcome of that proceeding, including the final determination with respect to the alleged offense, any sanction that is imposed against the respondent, and the rationale for the result and sanctions, consistent with Section V.E.~~

~~(j)–~~

~~(k) The complainant and the respondent may request a copy of the investigative report pursuant to University policy governing privacy and access to personal information.⁴ However, in accordance with University policy, the report shall be redacted to protect the privacy of personal and confidential information regarding all individuals other than the individual requesting the report.~~

~~(l)–~~

~~(i) At the conclusion of any disciplinary proceeding~~

(i) At the conclusion of any proceeding, the complainant and the respondent will simultaneously be informed of the following in writing:

i. The outcome of any University proceeding, including:

1. the final determination with respect to the alleged offense;
2. any sanction that is imposed against the respondent; and
3. the rationale for the result and the sanction;

ii. The right and the procedures for both the complainant and respondent to appeal the outcome of any University disciplinary proceeding;

iii. Any change to the results that occurs prior to the time that such results become final; and

iv. When results become final.

At the conclusion of any disciplinary hearing, the complainant and the respondent will be simultaneously be informed of the following, in writing or in the report:

(such information can also be found in the above mentioned report, available upon request):

of:

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- The statement of the allegations and issues;
-
- The positions of the parties;
-
- A summary of evidence;
-
- A discovery of facts;
-
- A determination, by the investigator, whether this Policy has been violated;
-
- The outcome of any University disciplinary proceeding, including the final determination with respect to the alleged offense;
-
- A any actions taken to resolve the complaint. This can include including preventive educational programs, remedies for the complainant, and a referral to disciplinary procedures, as appropriate. i.e. any sanction that is imposed against the respondent; and
-
- The rationale for the result and the sanction, consistent with Section V.E.;
-
- The rights and the procedures for both the complainant and respondent to appeal the outcome of any University disciplinary proceeding; including 1) any change to the results that occur, and 2) when results become final.
-
- The University's procedures for appealing the results of the proceeding;
-
- Any change to the results that occur prior to the time that such results become final; and
-
- When results become final.

C. Complaints or Grievances Involving Allegations of Sexual Harassment or Sexual Violence

Instead of, or in addition to, reporting to a Title IX Officer (Sexual Harassment Officer) or other appropriate designated officials, an individual who believes he or she has been subjected to sexual harassment or sexual violence can file a complaint or grievance. A complaint or grievance alleging sexual harassment or sexual violence must meet all of the requirements under the applicable complaint resolution or grievance procedure, including time limits for filing, listed in Appendix I: University Complaint Resolution and Grievance Procedures.

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If a complaint or grievance is filed in addition to a report made to the Title IX Officer (Sexual Harassment Officer), the complaint or grievance must be put on temporary hold, subject to the requirements of any applicable complaint resolution or grievance procedure. It will remain suspended until there is an outcome reached from the Early Resolution or Formal Investigation procedures. If the individual wishes to proceed with the complaint or grievance, the Early Resolution or Formal Investigation will then become the first step or steps of the applicable complaint resolution or grievance procedure.

A complainant or respondent can also file a complaint or grievance stating that the actions taken in response to the report of sexual harassment or sexual violence did not follow *Policy*. Such a complaint or grievance cannot be used to address the disciplinary sanction, if any, that was imposed upon the respondent. Any complaint or grievance regarding the resolution of a report of sexual harassment or sexual violence must be filed in a timely manner. The time period for filing begins on the latest of the dates on which the individual was notified of:

An ~~Instead of, or in addition to, reporting to a Title IX Officer (Sexual Harassment Officer) or other appropriate designated officials, an individual who believes he or she has been subjected to sexual harassment or sexual violence can file a complaint or grievance.~~ may file a complaint or grievance pursuant to the applicable complaint resolution or grievance procedure. ~~A complaint or grievance alleging sexual harassment or sexual violence must meet all of the requirements under the applicable complaint resolution or grievance procedure, including time limits for filing, listed in Appendix I: University Complaint Resolution and Grievance Procedures.~~ Such complaint or grievance may be filed either instead of or in addition to making a report of sexual harassment to the Title IX Officer (Sexual Harassment Officer) or other appropriate official designated to review and investigate sexual harassment and sexual violence complaints under this *Policy*. ~~A complaint or grievance alleging sexual harassment or sexual violence must meet all the requirements under the applicable complaint resolution or grievance procedure, including time limits for filing.~~

~~If a complaint or grievance alleging sexual harassment or sexual violence is filed in addition to a report made to the Title IX Officer (Sexual Harassment Officer), or other appropriate official designated to review and investigate sexual harassment complaints under this *Policy*, the complaint or grievance shall must be put on temporary hold, held in abeyance subject to the requirements of any applicable complaint resolution or grievance procedure. It will remain suspended until, pending there is an outcome reached the outcome of the from the Early Resolution or Formal Investigation procedures. If the individual wishes to proceed with the complaint or grievance, the Early Resolution or Formal Investigation shall will then become constitute the first step or steps of the applicable complaint resolution or grievance procedure.~~

~~An individual who has made a report of sexual harassment or sexual violence also can also may file a complaint or grievance alleging stating that the actions taken in response to the report of sexual harassment or sexual violence did not follow *Policy*. Such a~~

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~~complaint or grievance may~~ can not be ~~used~~ filed to address ~~at the~~ a disciplinary sanction, ~~if any, that was~~ imposed upon the respondent. Any complaint or grievance regarding the resolution of a report of sexual harassment or sexual violence must be filed in a timely manner. The time period for filing begins on the date that the individual was notified of:

- ~~It~~ the outcome of the ~~sexual harassment or sexual violence~~ investigation,
- ~~or~~ Any other resolution process ~~pursuant in accordance with~~ according to ~~to~~ this Policy, and/or
- the actions that the administration took in response to the report of sexual harassment or sexual violence
~~of~~ the actions that the taken by the administration took in response to the report of sexual harassment or sexual violence; ~~whichever is later.~~

D. Remedies and Referral to Disciplinary Procedures

~~If it has been determined that the there were Policy violations~~ was violated, and a report of sexual harassment or sexual violence results in a recommendation for disciplinary action, ~~Findings of Policy violation~~ there are applicable, disciplinary action procedures that should be followed (*Appendix II*). In addition, these procedures should ~~be referred to when determining any~~ guide any remedies for the complainant. ~~may be considered to determine remedies for individuals harmed by the sexual harassment or sexual violence and shall be referred to applicable local disciplinary procedures (Appendix II).~~

Procedures under this Policy ~~shall~~ will be coordinated with all applicable local complaint resolution, grievance, and disciplinary procedures, ~~in order~~ to avoid any duplication in the fact-finding process whenever possible. ~~Violations of the Policy may include:~~

- ~~Ee~~ Engaging in sexual harassment or sexual violence,
- ~~Rr~~ Retaliating against a complainant ~~reporting who reports~~ sexual harassment or sexual violence, and,
- ~~or~~ Violating interim protections.

Investigative reports made ~~pursuant in accordance~~ according to this Policy ~~may~~ can be used as evidence in ~~subsequent any future~~ complaint resolution, grievance, and disciplinary proceedings as permitted by the applicable procedures.

E. Privacy

The University ~~shall~~ will protect the privacy of individuals involved in a report of sexual harassment or sexual violence to the extent permitted by law and by University Policy. A report of sexual harassment or sexual violence ~~may~~ can result in ~~the~~ gathering of extremely sensitive information about individuals in the University community.

While such information is considered confidential, University policy may also require the disclosure of certain information during an investigation. In such cases, every effort will be made to redact the records to protect the privacy of individuals.

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~~While such information is considered confidential, University policy regarding access to public records and disclosure of personal information may also require the disclosure of this personal information, or public records, certain information concerning during an investigation a report of sexual harassment or sexual violence. In such cases, every effort shall will be made to redact the records in order to protect the privacy of individuals.~~

~~The complainant will be informed of the results of a disciplinary proceeding against the respondent, in accordance with Section V.B.4.j., including information regarding disciplinary action taken against the respondent.~~

~~The complainant shall will be informed of the final results of a disciplinary proceeding against the respondent, including information regarding disciplinary action taken against the respondent.~~

F. Resources, Confidentiality of Reports Consultation and Reporting of Sexual Harassment and/or and Sexual Violence

~~For any member of the University community seeking resources, information, and/or advice about making a sexual harassment and/or sexual violence report, each location will offer confidential consultations with designated personnel. Each location shall identify confidential resources with whom members of the University community can consult for advice and information regarding making a report of sexual harassment or sexual violence. These resources~~

- ~~• provide individuals who may be interested in bringing a report of sexual harassment or sexual violence with a such individuals with a safe place to discuss their concerns and learn about the procedures and potential outcomes involved, and~~
- ~~• These resources shall will be posted on the each location's website.~~

~~Such cConfidential resources could include:~~

- ~~• thea survivor advocacy office,~~
- ~~• and/or licensed counselors in employee assistance programs, and~~
- ~~• licensed counselors in or student counseling centers.~~

Individuals who consult with confidential resources ~~shall will~~ be advised that their discussions in these settings are *not* considered actual reports of sexual harassment or sexual violence, ~~and that V~~ without additional action by the individual, ~~these~~ discussions will not result in any formal action by the University to resolve their concerns.

The locations ~~shall will~~ notify the University community that certain University employees, such as the Title IX Officer (Sexual Harassment Officer), managers, supervisors, and other designated employees, ~~have~~ an obligation to respond to reports of sexual harassment or sexual violence, even if the individual making the report requests that no action be taken.

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~~While wethe University understands the desire for confidentiality, and the University will do its best to fulfill these requests when determining an appropriate response, wethe University also havehas a legal responsibility to the respondent. Depending on the situation, there are cases in which wethe University will need to inform him/herthe respondent of the source of the allegation. An individual's requests regarding the confidentiality of reports of sexual harassment or sexual violence will be considered in determining an appropriate response; however, such requests will be considered in the dual contexts of the University's legal obligation to ensure a working and learning environment free from sexual harassment and sexual violence and the due process rights of the respondent to be informed of the allegations and their source. SomeThis level of disclosure may be necessary to ensure a complete and fair investigation, although the University will comply with requests for confidentiality to the extent possible.~~

G. Retention of Records Regarding Reports of Sexual Harassment and Sexual Violence

The office of the Title IX Officer (Sexual Harassment Officer) is responsible for maintaining records relating to sexual harassment and sexual violence reports, investigations, and resolutions. Records ~~shall~~will be maintained ~~in accordance~~according to ~~with~~ University records policies. Records that fall under the ~~purview~~scope of the Clery Act will be retained for 7 years, ~~in accordance with~~according to federal law. All records pertaining to pending litigation, or a request for records, will ~~shall~~ be maintained ~~in accordance with~~according to instructions from legal counsel.

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V.VI. RELATED INFORMATION

- A. [Violence Against Women Reauthorization Act \(VAWA\) of 2013](#)
- B. [University of California Statement of Ethical Values](#)
- C. [Standards of Ethical Conduct](#)
- D. [Academic Personnel Manual \(APM\) Section 015](#), The Faculty Code of Conduct (referenced in Section III.D, footnote 1)
- E. [Academic Personnel Manual \(APM\) Section 016, University Policy on Faculty Conduct and the Administration of Discipline](#) (referenced in Section III.D, footnote 1)
- F. [Academic Personnel Manual \(APM\) Section 035, Affirmative Action and Nondiscrimination in Employment](#) (referenced in Section III.D, footnote 2)
- G. [Academic Personnel Manual \(APM\) Section 150, Non-Senate Academic Appointees/Corrective Action and Dismissal](#)
- H. [Nondiscrimination and Affirmative Action Policy Statement for University of California Publications Regarding Employment Practices](#) (referenced in Section III.D, footnote 2)
- I. [Nondiscrimination Policy Statement for University of California Publications Regarding Student-Related Matters](#) (referenced in Section III.D, footnote 2)
- J. [Personnel Policies for Staff Members 12 \(Nondiscrimination in Employment\)](#) (referenced in Section III.D, footnote 2)
- K. [Policy on Student Conduct and Discipline](#)
- L. [Student-Related Policy Applying to Nondiscrimination on the Basis of Sex](#)
- M. [University of California Nondiscrimination and Affirmative Action Policy Regarding Academic and Staff Employment](#) (referenced in Section III.D, footnote 2)
- N. [UC Business and Finance Bulletin RMP-8, Legal Requirements on Privacy of and Access to Information](#)
- O. [University of California Policies Applying to Campus Activities, Organizations, and Students](#) (referenced in Section III.D, footnote 2)
- P. [Business and Finance Bulletin RMP-2: Records Retention and Disposition: Principles, Processes, and Guidelines](#)
- Q. [University of California Non-Discrimination Policy](#)
- R. [Guidelines on Sexual Harassment and Sexual Violence Outcome Reporting](#)
- ~~A. [Guidelines on Sexual Harassment and Sexual Violence Outcome Reporting](#)~~
- S. [Government Code 12950.1](#)

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VII. FREQUENTLY ASKED QUESTIONS

1. Who can be considered a Representative as described in Section V (B)(4)(e)?

A representative includes any individual who provides the complainant or respondent support, guidance, or advice (including attorneys). The institution ~~may not~~ cannot limit the choice of an advisor, ~~but by~~ may establish certain restrictions regarding the extent to which the advisor ~~may~~ can participate in the proceedings, ~~as long as the restrictions apply equally to both parties.~~⁵

2. What is a “result” or “outcome” of a disciplinary proceeding?

A result or outcome includes any initial, ~~interim~~ temporary, and final decision made by any official, or ~~entity~~ authorized ~~person, that~~ aims to resolve a disciplinary matters within the institution. The result must include any **sanctions** imposed by the institution. The result must also include ~~-the rationale for the~~ **result and the sanctions**. For more information, please see the “Guidelines on Sexual Harassment and Sexual Violence outcome reporting”.

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⁵ Proposed regulation 34 C.F.R. 668.46(k)(2)(iii)-(iv) provides: (k) *Procedures for institutional disciplinary action in cases of alleged dating violence, domestic violence, sexual assault, or stalking*. As required by paragraph (b)(11)(vi) of this section, an institution must include in its annual security report a clear statement of policy that addresses the procedures for institutional disciplinary action in cases of alleged dating violence, domestic violence, sexual assault, or stalking and that - ... (2) Provides that the proceedings will....

(iv) ***Not limit the choice of advisor*** or presence for either the accuser or the accused in any meeting or institutional disciplinary proceeding; however, the ***institution may establish restrictions regarding the extent to which the advisory any participate in the proceedings, as long as the restrictions apply equally to both parties.***

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II. REVISION HISTORY

XX/XX/2015 –

02/25/104 - This policy was reformatted into the standard University of California policy template effective .

Future revisions to this policy will be circulated under standard procedures for Presidential Policies; in the case of this policy, the review will include circulation under the standard Academic Personnel Manual (APM) process, with final authority resting with the President.

As a result of the issuance of this policy, the following documents are rescinded as of the effective date of this policy and are no longer applicable:

- University of California Policy on Sexual Harassment, dated February 10, 2006
- University of California Procedures for Responding to Reports of Sexual Harassment, dated December 14, 2004
 - University of California Policy on Sexual Harassment and Complaint Resolution Procedures, dated April 23, 1992
 - University of California Policy on Sexual Harassment and complaint Resolution Procedures, dated March 10, 1986

~~This policy was reformatted into the standard University of California policy template effective 02/25/2014.~~

~~Future revisions to this policy will be circulated under standard procedures for Presidential Policies; in the case of this policy, the review will include circulation under the standard Academic Personnel Manual (APM) process, with final authority resting with the President.~~

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APPENDIX I: University Complaint Resolution and Grievance Procedures

~~Applicable complaint~~ The following are the resolution and grievance procedures for members of the University community:

Academic Personnel:

Members of the Academic Senate

[Senate Bylaw 335](#)

Non-Senate Academic Appointees

[APM - 140](#)

Exclusively Represented Academic Appointees

Applicable collective bargaining agreement

Students:

[Policies Applying to Campus Activities, Organizations and Students, Section 110.00](#)

Staff Personnel:

Senior Managers

[PPSM II-70](#)

Managers and Senior Professionals,
Salary Grades VIII and IX

[PPSM 71](#)

Managers and Senior Professionals,
Salary Grades I – VII; and
Professional and Support Staff

[PPSM 70](#)

Exclusively Represented Staff Personnel

Applicable collective bargaining agreement

Lawrence Berkeley National Laboratory Employees

[Applicable Laboratory policy](#)

All:

The [University of California Policy on Reporting and Investigating Allegations of Suspected Improper Governmental Activities \(Whistleblower Policy\)](#) and the [University of California Policy for Protection of Whistleblowers from Retaliation and Guidelines for Reviewing Retaliation Complaints \(Whistleblower Protection Policy\)](#), which govern the reporting and investigation of violations of state or federal laws or regulations and University policy, including sexual harassment.

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APPENDIX II: University Disciplinary Procedures

The following are the disciplinary procedures and policies ~~Applicable disciplinary action procedures~~ if a report of sexual harassment or sexual violence results in a recommendation for disciplinary action:

- A. [The Faculty Code of Conduct \(APM - 015\)](#) (as approved by the Assembly of the Academic Senate and by The Regents)
- outlines the ethical and professional standards which University faculty are expected to observe, ~~and it also~~
 - identifies various forms of unacceptable behavior which are applicable ~~apply~~ in cases of sexual harassment or sexual violence.

Because the forms of unacceptable behavior listed in *The Faculty Code of Conduct* ~~are interpreted to also~~ apply to sexual harassment or sexual violence, a violation of the University's *Policy on Sexual Harassment and Sexual Violence* ~~also~~ constitutes a violation of the *Faculty Code of Conduct*. The [University Policy on Faculty Conduct and the Administration of Discipline \(APM - 016\)](#), as approved by the Assembly of the Academic Senate and by The Regents, outlines sanctions and disciplinary procedures for faculty.

- B. Provisions of the policy on [Non-Senate Academic Appointees/Corrective Action and Dismissal \(APM - 150\)](#) (~~which are~~ applicable to non-exclusively represented academic appointees) and collective bargaining agreements ~~that (which are~~ applicable to exclusively represented academic appointees) ~~provide~~ allow for corrective action or dismissal for conduct which violates University policy.
- C. The [Policies Applying to Campus Activities, Organizations, and Students](#) sets forth in Section 100.00 the types of student misconduct that are subject to discipline and the types of disciplinary actions that ~~may~~ can be imposed for each of those ~~violations~~ of University policies or campus procedures.
- D. Provisions of the [Personnel Policies for Staff Members](#), and the Lawrence Berkeley National Laboratory personnel policies (applicable to non-exclusively represented staff employees), and collective bargaining agreements (applicable to exclusively represented staff employees) prohibit conduct ~~which that~~ violates University policy ~~with respect to~~ for sexual harassment or sexual violence and provide for disciplinary action for ~~violation of~~ violating University policy.
- [PPSM-62: Corrective Action](#)
 - [PPSM-63: Investigatory Leave](#)
 - [PPSM-64: Termination of Career Employees – Professional and Support Staff](#)
 - [PPSM-65: Termination of Career Employees - Managers & Senior Professionals, Salary Grades I through VII](#)

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- PPSM-67: Termination of Career Employees – Managers & Senior Professionals, Salary Grades VIII and IX

DR



UNIVERSITY COMMITTEE ON RULES AND JURISDICTION (UCR&J)
Anne Slavotinek, Chair
slavotia@peds.ucsf.edu

Assembly of the Academic Senate
1111 Franklin Street, 12th Floor
Oakland, CA 94607-5200
Phone: (510) 987-9466
Fax: (510) 763-0309

January 26, 2015

EDWINA BARVOSA, CHAIR
UNIVERSITY COMMITTEE ON COMMITTEES

RE: Proposed Revisions to SBL 128.D.2 (Vice Chairs)

Dear Edwina,

The University Committee on Rules and Jurisdiction has evaluated the proposed revisions to SBL 128.D.2 (Vice Chairs), which would make the vice chairs of all standing systemwide committees at-large members. UCR&J finds the proposal consistent with the Code of the Academic Senate.

Please let us know if you have any questions or concerns.

Sincerely,

A handwritten signature in cursive script, appearing to read "Anne Slavotinek".

Anne Slavotinek, UCR&J Chair

Copy: UCR&J
Mary Gilly, Chair, Academic Council
Hilary Baxter, Executive Director, Academic Senate

Justification for Revisions to Bylaw 128.D.2: Vice Chairs

The proposed revision to bylaw 128D.2 regularizes the standing committee Vice Chairs such that non-Council committees will now have Vice Chairs that serve at large in the same manner as the Council represented committees. This revision will directly affect six committees: UCAF, UCIE, UCOLASC, UCOPE, UCP&T, and UCACC.

In recent years, the University Committee on Committees (UCOC) has run into difficulty appointing non-Council vice chairs who are also members of their local corresponding Divisional committees. Bylaw 128.D.2 currently reads “for committees not represented on the Academic Council, with the exception of the University Committee on Committees, the Vice Chair shall be appointed from among the Divisional appointees.” This bylaw has proved problematic for both reasons of timing and principle. With respect to timing, UCOC’s chair and vice chair appointments are made synchronously with local appointments to standing committees. Therefore, it is sometimes difficult to know if a UCOC-appointed vice chair will indeed be a divisional representative for the following year. In recent memory, there have been at least three cases in which this bylaw has caused problems.

With respect to principle, it is in the best interest of the Divisions to have a regular rotation of Senate members through their divisional committees to bring in new talent and fresh perspectives. On the other hand, one of UCOC’s principal interests is to develop and maintain effective faculty leaders. As currently written, bylaw 128.D.2 restricts this, given that UCOC is limited to current divisional committee members in selecting vice chairs for the non-Council committees. A tangential issue involves the possible conflict when the vice chair must substitute for the chair at a committee meeting while still representing his or her division. Therefore, it is useful and desired to allow for a vice chair to serve as an at-large member.

UCOC therefore proposes to make all vice chairs at-large members, regardless of whether the committee sits on Academic Council or not.

Proposed Revised Bylaw 128.D.2: Vice Chairs (red-line)

128. Membership of Standing Committees of the Assembly (En 28 May 2003)

Unless otherwise specified in the establishing bylaws for a committee, the following shall govern the membership of all Assembly committees except the Academic Council.

- A. The Chair and Vice Chair of the Assembly shall serve as *ex officio* members of the University Committee on Committees and as non-voting *ex officio* members of all committees except for the Committee on Rules and Jurisdiction.

- B. Each Division of the Academic Senate shall nominate to UCOC one Division member to be appointed to the following committees to serve a two-year term. [See Bylaw 150]. This member shall normally be the chair or a member of the corresponding Divisional committee; otherwise, the Assembly committee member shall serve as an *ex officio* non-voting member of the corresponding Divisional committee.
 - Academic Freedom
 - Academic Personnel
 - Affirmative Action and Diversity
 - Board of Admissions and Relations with Schools
 - Committees
 - Educational Policy
 - Information Technology and Telecommunication Policy
 - International Education
 - Faculty Welfare
 - Graduate Affairs, Coordinating Committee on
 - Library and Scholarly Communication
 - Planning and Budget
 - Privilege and Tenure
 - Research Policy
 - Preparatory Education

- C. The Chair of each of the above committees shall be an at-large member, who is a former, but not a present member of the corresponding committee of any division. The Chair shall normally serve a one-year term. (Am 10 Apr 2013)

- D. Vice Chairs
 1. ~~For the University Committee on Committees and for committees represented on the Academic Council,~~ The Vice Chair shall be an at-large member who has experience as a member of the corresponding Divisional committee. The Vice Chair shall normally succeed the Chair subject to the approval of UCOC. [See Table 1]
 2. ~~For committees not represented on the Academic Council, with the exception of the University Committee on Committees, the Vice Chair shall be appointed from among the Divisional appointees. The Vice Chair shall normally succeed the Chair subject to the approval of UCOC. [See Table 2]~~
 3. The Vice Chair must be a Senate member from a Division other than that of the Chair.

- E. Students who sit with standing committees, as provided in these bylaws, are non-voting representatives and shall be nominated by the student organization recognized by the Academic Council for that purpose and appointed by the University Committee on Committees.

- F. Term: In no case shall members serve for more than four consecutive years with the exception of the Chair and Vice Chair who may serve no more than six years. A member is again eligible one year after leaving the committee. A partial term is counted as a full term.
- G. Quorum. Fifty percent of the voting members of the Committee shall constitute a quorum.
- H. Members holding an administrative position higher than department chair may not serve as members of Assembly committees. However, Department Chairs may serve on Assembly Committees, with the exception of the Committee on Academic Personnel, the Committee on Academic Freedom and the University Committee on Privilege and Tenure.
- I. A standing committee of the Assembly may appoint one or more subcommittees or task forces, which must always report back to the main committee, but the University Committee on Committees must appoint all subcommittee or task force members who are not already members of any standing committee of the Assembly. (En 11 May 2005)

Proposed Revised Bylaw 128.D.2: Vice Chairs (clean)

128. Membership of Standing Committees of the Assembly (En 28 May 2003)

Unless otherwise specified in the establishing bylaws for a committee, the following shall govern the membership of all Assembly committees except the Academic Council.

- C. The Chair and Vice Chair of the Assembly shall serve as *ex officio* members of the University Committee on Committees and as non-voting *ex officio* members of all committees except for the Committee on Rules and Jurisdiction.

- D. Each Division of the Academic Senate shall nominate to UCOC one Division member to be appointed to the following committees to serve a two-year term. [See Bylaw 150]. This member shall normally be the chair or a member of the corresponding Divisional committee; otherwise, the Assembly committee member shall serve as an *ex officio* non-voting member of the corresponding Divisional committee.
 - Academic Freedom
 - Academic Personnel
 - Affirmative Action and Diversity
 - Board of Admissions and Relations with Schools
 - Committees
 - Educational Policy
 - Information Technology and Telecommunication Policy
 - International Education
 - Faculty Welfare
 - Graduate Affairs, Coordinating Committee on
 - Library and Scholarly Communication
 - Planning and Budget
 - Privilege and Tenure
 - Research Policy
 - Preparatory Education

- E. The Chair of each of the above committees shall be an at-large member, who is a former, but not a present member of the corresponding committee of any division. The Chair shall normally serve a one-year term. (Am 10 Apr 2013)

- F. Vice Chairs
 - 1. The Vice Chair shall be an at-large member who has experience as a member of the corresponding Divisional committee. The Vice Chair shall normally succeed the Chair subject to the approval of UCOC. [See Table 1]
 - 2. The Vice Chair must be a Senate member from a Division other than that of the Chair.

- J. Students who sit with standing committees, as provided in these bylaws, are non-voting representatives and shall be nominated by the student organization recognized by the Academic Council for that purpose and appointed by the University Committee on Committees.

- K. Term: In no case shall members serve for more than four consecutive years with the exception of the Chair and Vice Chair who may serve no more than six years. A member is again eligible one year after leaving the committee. A partial term is counted as a full term.

- L. Quorum. Fifty percent of the voting members of the Committee shall constitute a quorum.
- M. Members holding an administrative position higher than department chair may not serve as members of Assembly committees. However, Department Chairs may serve on Assembly Committees, with the exception of the Committee on Academic Personnel, the Committee on Academic Freedom and the University Committee on Privilege and Tenure.
- N. A standing committee of the Assembly may appoint one or more subcommittees or task forces, which must always report back to the main committee, but the University Committee on Committees must appoint all subcommittee or task force members who are not already members of any standing committee of the Assembly. (En 11 May 2005)



Academic Senate Faculty Research Grants Call For Proposals

Deadline For Submission: April 15, 2015

PURPOSE

Faculty research grants are designed to support the research activities of UC Merced faculty and provide seed funds to assist in the development of extramural proposals to support research at UC Merced.

ELIGIBILITY CRITERIA

1. Each full-time member of the UC Merced Division of the Academic Senate, including emeritus members, is eligible to submit one grant proposal in response to this call.
2. Each faculty member may request up to \$5000 in research funding. Funds may be requested for most research costs, with some exceptions. (See Allowable and Unallowable Expenses, below.)
3. Faculty members may collaborate to submit a joint proposal, in which case the collaborators may not also submit individual proposals. Each faculty member may participate in only one proposal. Joint proposals may request funding up to an amount which is a multiple of \$5000, with the multiple being the number of collaborators contributing to the proposal. Regardless of the number of participating faculty, awards may not exceed \$20000, however.
4. Faculty on sabbatical leave or leave of absence (in residence or elsewhere) may apply for research funds. Grants will not be awarded, however, without assurance that the awardee will return to UC Merced after the absence.
5. Undergraduate students, graduate students, and postdoctoral researchers are not eligible to submit proposals, but faculty members may request funds to support student research activities under the supervision of the faculty member, provided that such activities are integral to a program of research being pursued by the

faculty member. Funds may not be applied to the support of postdoctoral researchers or of other research staff, however.

6. Non-tenured faculty members without extramural support are particularly encouraged to apply.

PROPOSAL CONTENT AND FORMAT

Each proposal must include all of the following:

1. **Completed Application Form:** The application form requests some basic information about the proposal and its authors, including: a proposal title, the name(s) of the participating faculty member(s), academic title(s), school affiliation(s), graduate group affiliation(s), electronic mail address(es), the identification of one school (SNS, SOE, or SSHA) to act as the proposal's originating school, and the award date(s) of the most recently received Academic Senate research grant(s) for each faculty participant.
2. **Proposal Abstract:** The abstract must not exceed 350 words.
3. **Description of Proposed Research:** This section should explain the research to be conducted with the requested funds, providing adequate background information and context to allow for a clear understanding of the proposal by an academic but non-expert reader. This description should be as specific and detailed as possible, given space limitations and the need to remain accessible to non-experts. This section should explain the potential impact that funding will have on the research program(s) of the proposing faculty member(s), as well as how this funding could assist in the development of research group(s) and faculty career trajectories. All requests for equipment, or other forms of infrastructure, must include an equipment management plan in this section. *The contents of this section may not exceed 3 single-spaced pages, with margins no smaller than 1 inch and fonts no smaller than 11 point.*
4. **Reference List:** This section should provide a bibliography of work referenced elsewhere in the proposal document. *This section may not exceed 1 single-spaced page, with margins no smaller than 1 inch and fonts no smaller than 11 point.*
5. **Budget:** How provided funds are to be used should be presented in a tabular format, listing the amount required for each line item.
6. **Budget Justification:** Each line item in the budget should be explained and justified, particularly with regard to constraints on allowable expenses (see below).
7. **Extramural Funding:** This section must list all pending and awarded extramural grants and contracts received by the proposing faculty member(s) for at least the last five years. For each award, the project title, funding amount, start date, and duration should be specified.

8. **Internal Funding:** This section must list all pending and awarded funds received by the proposing faculty member(s) from UC Merced sources, including Academic Senate funding programs, covering at least the last five years. For each award, the project title, funding amount, start date, and duration should be specified. For each award granted by an Academic Senate program, a single-paragraph report on the results of the award should be included.
9. **Alternative Funding:** A brief justification of the proposed request for funding when alternative sources of extramural funding for the budgeted items are currently available to the proposing faculty member(s) should be provided in this section. If no such alternative sources of extramural funding are available, that fact should be clearly stated and justified. *This section may not exceed 1 single-spaced page, with margins no smaller than 1 inch and fonts no smaller than 11 point.*
10. **Seed Funding:** If the requested funds will support the preparation of one or more proposals for extramural funding, details concerning the extramural funding programs to which such proposals are to be submitted should be provided in this section. If recent attempts to secure extramural funding for the proposed budget items have been made, details concerning those submissions should be itemized, with a special emphasis on any feedback received as a result of those attempts. If the requested funds are not to be used as seed funding to assist in the preparation of extramural funding proposals, then that fact should be clearly stated. If extramural funds have not and will not be pursued for the proposed work due to the lack of an appropriate existing extramural funding program, this section should provide evidence that no such programs exist, describing efforts that have been made to identify possible funding sources.
11. **Human Subjects Approval:** If the proposal involves research on human subjects, information concerning institutional ethical review and approval of the proposed work should be presented in this section.
12. **Animal Subjects Approval:** If the proposal involves research on non-human animals, information concerning institutional ethical review and approval of the proposed work should be presented in this section.
13. **Curriculum Vitae:** This section must contain a CV for each faculty member participating in the proposal.

These sections should be assembled into a single document file in Adobe's *Portable Document Format* (PDF). While sections should appear in the order shown above, each section does *not* need to begin on a fresh page, but each section must be clearly labeled. The proposal file should have a name that begins with "COR_2015", followed by the last names of all participating faculty, separated by underscore characters. For example, a proposal submitted by faculty members Smith and Jones should be named "COR_2015_Smith_Jones.pdf".

ALLOWABLE EXPENSES

Categories of allowable expenses include the following:

- **Research Assistance:** Proposals requesting support for assistants must include a statement of each assistant's exact duties, budgeted hours of labor, and rate of pay. For graduate student support, the student to be supported must be identified. This information is to be included in the Budget Justification section of the proposal document.
- **Supplies and Equipment:** Awarded funds may be used to purchase research equipment and supplies. The purchase of such items is subject to the policies outlined in *UC Business and Finance Bulletin BUS 29*. Equipment purchased with awarded funds will be the property of the University of California. Books, reports, journals, video or audio recordings, and similar research materials may be purchased with awarded funds, but these should be itemized and their purchase justified in the Budget Justification section of the proposal. Similarly, budget line items for computer equipment or computer software are allowed, but they should be explicitly justified as essential for the research activities proposed, providing capabilities not present in the computer equipment currently available to the proposing faculty member(s). Miscellaneous supply and service costs (e.g., telephone, fax, copying, postage) must be justified as essential for the proposed work.
- **Recharge Fees:** Awarded funds may be applied to recharge fees associated with the use of core research facilities or other shared or institutional research resources. The Budget Justification section should explain how each requested recharge payment is required by the proposed work.
- **Travel for Research Purposes:** Expenses incurred for investigative travel and field work may be allowed if such travel is important for the proposed research. For example, such travel may be necessary to collect data or to inspect materials that cannot be procured by other means. Travel expenses for both the participating faculty member(s) and supervised graduate students may be budgeted. The Budget Justification section should explain the need for the proposed travel, and the Budget should break down such expenses into standard travel categories (e.g., flight costs, ground travel costs, housing costs, food costs, etc.).
- **Dissemination of Research Findings:** Expenses incurred for travel to academic conferences or other meetings to present research results arising from the proposed work are allowed. Travel expenses for both the participating faculty member(s) and supervised graduate students may be budgeted. The Budget Justification section should specify and describe intended forums for presenting research findings, and the Budget should break down such expenses into standard travel categories (e.g., flight costs, ground travel costs, housing costs, food costs, etc.). Research findings may also be disseminated through publication, and reasonable required publication fees may also be included in the Budget section.

Other kinds of expenses may be considered, but they will require special justification in the proposal document.

UNALLOWABLE EXPENSES

Categories of expenses that are *not* allowed to be covered by awarded funds include:

- **Research Assistance:** Awarded funds may *not* be used for faculty salary support, salary support for postdoctoral fellows, or salary support for other research staff. These funds may *not* be used to support curricular, administrative, or teaching aids.
- **Supplies and Equipment:** In general, awarded funds may *not* be used to purchase equipment that serves routine productivity purposes (e.g., printers, scanners, mobile telephones, mobile telephone service, calculators). Similarly excluded are standard office and computer supplies (e.g., paper, pens, pencils, flash drives), office furniture, and costs associated with the maintenance, operation, or repair of standard office equipment. Individual subscriptions to periodicals and professional society dues are also considered inappropriate budget items.
- **Travel:** If a participating faculty member will be on sabbatical leave or a leave of absence during the period of an award, then, except under special circumstances, awarded funds may *not* be used for travel between the Merced campus and the locale of leave. Also, subsistence during the period of leave is not fundable.

HUMAN AND ANIMAL SUBJECTS

- **Human Subjects:** Proposed research involving the use of human subjects must be approved by the Institutional Review Board before funds will be allocated. A copy of the approval or protocol number and applicable dates must be provided prior to the awarding of funds.
- **Animal Subjects:** Proposed research involving the use of non-human animals must be approved by the Institutional Animal Care and Use Committee. A copy of the approval or protocol number and applicable dates must be provided prior to the awarding of funds.

USE OF FUNDS

- **Budget Adaptation Post-Award:** Each line item in the proposal Budget must be justified in terms of the specific research activities being proposed. Expenditures of awarded funds are expected to generally conform to budgeted allocations by category and purpose. Faculty who receive awards must request approval from the Committee on Research (COR) prior to any change in the use for which funds were allocated. Reasonable requests within the scope of the proposed research activities will typically be granted.

- **Award Period:** Grants awarded by this program have a period of a single year. All award monies must be spent before June 1, 2016. Funds will not be provided for expenses incurred prior to the date upon which a grant is awarded. Faculty awardees are responsible for the administration of their grants, including the covering of overdrafts. Faculty awardees are expected to promptly return any funds that will not be spent before their grants expire. Any unexpended funds remaining on the grant expiration date will automatically revert to the Executive Vice Chancellor and Provost for redistribution.
- **Equipment:** Any equipment purchased with awarded funds will be the property of the University of California, and possession is retained by the University of California beyond the completion of the period of the grant.
- **Compliance:** All expenditures are subject to applicable University of California regulations.

EVALUATION PROCESS

Proposals that are incomplete or do not meet minimum conformance standards with regard to the requirements outlined in this document will not undergo further review.

Complete and properly formatted proposals will be evaluated based on their fit to the goals of this funding program, as well as the quality of the proposed research and the case made by the proposal. In order to provide quality assessments informed by relevant expertise, proposals will undergo an initial evaluation managed by the Executive Committee of the school (SNS, SOE, SSHA) specified by the authors as the originating school for the proposal. The originating school is specified on the application form, and at least one author of the proposal must have an appointment in the selected originating school. The Executive Committee of each school will be asked to leverage the expertise of their faculty in order to identify and rank the highest quality proposals, selecting the top proposals whose aggregated budgets do not exceed \$82000. *(Please note that this is the first year in which this program has involved a school-level competition and ranking of proposals.)* These ranked, high quality, proposals selected by the schools will then be examined by the members of the Committee on Research (COR) of the Academic Senate and assessed for fit to the goals of this funding program, based on the following criteria:

1. *Evidence of funding need:* Proposals that demonstrate a lack of alternative available extramural funds for the proposed research activities will be preferred over those for which other extramural funds appear to be available. Current funding should be reported with a statement of why this is not appropriate or sufficient to support the proposed project.
2. *Targeted extramural funding programs and efforts to secure extramural funding:* Proposals that request seed funds to support the preparation of one or more extramural applications should explicitly specify the targeted extramural sources. In addition, proposals showing past efforts to secure extramural funding that have resulted in positive feedback or review without a positive funding decision will be ranked highly. In such cases, applicants should include reviewer comments or

communications indicating the assessed strengths of the proposed research and the reasons for a lack of funding at this time. Proposals that make a convincing case that no appropriate extramural funding programs exist will be ranked highly, along with those for which previous extramural proposals have received positive feedback.

3. *Juniority*: All other factors being equal, junior tenure track faculty will be preferred over more senior tenure track faculty, and tenure track faculty will be preferred over other members of the Academic Senate. For proposals involving multiple faculty members, the rank of the most junior participant will be used to assess the joint proposal.
4. *Time since the receipt of a research award from the Academic Senate*: In general, proposals from faculty members who have not recently received support through this program (or its predecessor) will be preferred over those from faculty who have recently received such support.

Based on these criteria, as well as the quality rankings provided by the originating schools, the members of COR will deliberate and make final funding decisions. Given currently available financial resources, it is anticipated that approximately half of the proposals recommended by the schools will be funded. In general, COR will rank the recommended proposals, and funds will be allocated to these proposals in the order in which they have been ranked, until available funds are exhausted. In some situations, however, COR may, based on a majority vote, reduce the size of some awards below requested amounts so as to increase the number of awards granted. Also, in an effort to produce an award portfolio that reflects the range of research being conducted at UC Merced, COR reserves the right to adjust rankings, using an approach that is regularly employed by federal funding agencies.

The award recommendations produced by COR will be communicated to the Academic Senate Divisional Council, and they will be provided to the Vice Chancellor for Research and Economic Development, as well as to the Executive Vice Chancellor and Provost, to guide the administration in the delivery of award funds. Once an award is made, funds will become immediately available to the participating faculty member(s).

APPLICATION PROCESS

Each proposal must consist of a single PDF file, formatted and named according to the instructions provided above. Completed proposal documents should be delivered to the Academic Senate Office c/o Simrin Takhar: stakhar@ucmerced.edu. Proposals must be received by the end of the day (i.e., before midnight) on April 15, 2015.

If an award is made, funds will become available immediately. All award monies must be spent before June 1, 2016.

Academic Senate Faculty Research Grants Application Form

Proposal Title: _____

Originating School: _____

Participating Faculty 1:

Name: _____

Academic Title: _____ Email Address: _____

School and Graduate Group Affiliation(s): _____

Award Date of Most Recent Academic Senate Funding: _____

Participating Faculty 2:

Name: _____

Academic Title: _____ Email Address: _____

School and Graduate Group Affiliation(s): _____

Award Date of Most Recent Academic Senate Funding: _____

Participating Faculty 3:

Name: _____

Academic Title: _____ Email Address: _____

School and Graduate Group Affiliation(s): _____

Award Date of Most Recent Academic Senate Funding: _____

Participating Faculty 4:

Name: _____

Academic Title: _____ Email Address: _____

School and Graduate Group Affiliation(s): _____

Award Date of Most Recent Academic Senate Funding: _____