SUMMER 2020

Call for Teaching Associates in all Research Disciplines

The Office of Summer Sessions is recruiting graduate students to teach INT 93LS courses in Summer 2020.

BACKGROUND
Summer Sessions offers a 4-week pre-college program—Science and Engineering Research Academy (SERA)— that provides qualified high school students (residential and commuter) an introduction to the research enterprise through project-based, directed research in various fields. This program will provide students a hands-on experience and professional development by allowing them to choose and develop a research topic specific to the program track (e.g., Nanotechnology, Marine Biology, Global Studies etc.) they select under the direction of the Teaching Associate and Teaching Assistant (TA). Lastly, by taking a 4-unit course (***INT 93LS: Introduction to Research in STEM fields***), students will also experience the rigor of taking a college-level class.
NOTE: Humanities/social sciences tracks will be offered this year.

QUALIFICATIONS
Minimum:

- Doctoral degree objective must be in a STEM, humanities or social sciences related field
- Master's degree or advancement to candidacy (by Spring 2020)
- One year teaching experience as a Teaching Assistant
- Must be a current student at the time of appointment and enrolled in Spring 2020 units
- Strong desire to teach at a university level

TO APPLY
Submit the following documents (electronically) to Anne Croff, (a.croff@summer.ucsb.edu):

1. Updated CV
2. Teaching philosophy (1 page)
3. Short course description that a) outlines the general theme with sample topics that will be covered in the lecture; b) sample list of labs to be performed by students; and, c) sample research questions that students could investigate during the program. (1 page)

NOTES:
1. To assist in developing your course description, please read the *Program Framework* below which includes the program schedule.
2. For graduate students enrolled in the *Certificate in College and University Teaching (CCUT*) program, this assignment will satisfy the teaching requirement.

DEADLINE
For primary consideration, applications should be submitted no later than Friday, October 18, 2019.
Interviews will be conducted at the end of October so that so that research topics can be finalized and associates will have the academic year to develop the course.

SALARY
$4,626 (with advancement to candidacy)
$4,276 (without advancement to candidacy)

PROGRAM FRAMEWORK

Dates are subject to change but INT 93LS will be offered over 4 weeks during session A (June 22 – July 31, 2020). It will serve as the core curriculum around which students will branch out into their specific tracks (approximately = 28 students per track). The course will be comprised of lectures, labs, and discussion sections as follows:

Lectures will serve to teach students fundamental concepts in the particular track they choose leading to more specific topics current in the field. Students will conduct labs adapted from among various UCSB course labs demonstrating concepts that reinforce principles learned in lecture. Discussion sections will allow student groups to develop a research

	Lecture	**Lab**	**Discussion**
Week 1	80 minutes/day for 4 days	180 minutes/day for 2 days	60 minutes/day for 2 days
Week 2	80 minutes/day for 4 days	180 minutes/day for 2 days	60 minutes/day for 2 days
Week 3	80 minutes/day for 4 days		Up to 180 minutes/day for 3 days
Week 4	80 minutes/day for 4 days		Up to 180 minutes/day for 3 days

question, investigate findings, and present a final research project to their peers in a formal presentation on the last day of the program.

The learning outcomes of this course and program are:

1. to expose students to academic research in a university setting,
2. give students the opportunity to experience the collaborative nature of a research environment, and
3. teach professional scientific communication techniques via a group research project presentation and lab report.

OFFICIAL COURSE DESCRIPTION

INT 93LS: Introduction to Research in STEM Fields

Introduction to university-level research experiences in STEM disciplines. Students participate in project-based, directed research while learning about current practices and trends. The course culminates with a group presentation and submission of findings.