USF/UCSF Partnership for Undergraduate Mentoring and Teaching (PUMT)
TEACHING POSITIONS AVAILABLE IN MATHEMATICS & STATISTICS – Fall 2018

Lecturer Positions
Course lecturers have responsibility for the full course. MS required, PhD preferred. Compensation estimated at $7520 for the semester per course. Lecturers may teach at most 2 courses.

See course descriptions and lecture times on page 2. Courses available are:
- Math 101 Elementary Statistics
- Math 106 Business Statistics
- Math 108 Precalculus

General Information
Dates:
Fall classes start Aug 21 and end Dec 5, with final exams Dec 7 – 13. There are no classes on Labor Day (Sep 3), Fall Break (Oct 15-16) and Thanksgiving Holiday (Nov 22-23). The USF academic calendar is at https://myusf.usfca.edu/onestop/registration/academic-calendar.

International scholars:
International students/postdocs are advised to contact the UCSF International Students and Scholars Office (http://isso.ucsf.edu) to determine eligibility for a paid part-time teaching position outside of UCSF under your particular visa. USF cannot assist with visa issues. International scholars on a J-1 visa can teach at USF, but must submit a letter of support from their principal investigator with their application to USF, and obtain official permission through ISSO if an offer of hire is made.

Domestic and international scholars:
It is your responsibility to verify that external employment is allowed for your particular situation (e.g., some fellowships do not allow outside employment).

Questions?
Contact Cornelia Van Cott <cvancott@usfca.edu>, Associate Professor & Chair of the Department of Mathematics and Statistics

Applications
Review of applications will continue until positions are filled. E-mail Cornelia Van Cott (cvancott@usfca.edu) with the following information (incomplete applications will not be considered):
1. An explanation of your qualifications to teach the course(s) you are applying for.
2. A list of the courses, specific section times you could be considered for in order of preference, and number of sections you would like to teach. If you have no time preferences, please indicate that.
3. A pdf attachment of your CV, with a “Teaching Experience” section, if applicable.
4. International scholars on a J-1 visa must submit a letter of support from their Principal Investigator with their application to USF.
Lecturer: Elementary Statistics (Math 101)

Sections available:

- TR 8:00 – 9:45 am
- MWF 1:00 – 2:05 pm

This course is for undergraduate students with majors in the social sciences and other areas, as well. The course will introduce students to the processes by which valid statistical inferences may be drawn from quantitative data. Topics include design of experiments; sample surveys; measurement; summary and presentation of data; regression and correlation; elementary probability; the law of averages; the central limit theorem; the normal, t and chi-square distributions; confidence intervals; and hypothesis testing.

The instructor will be solely responsible for lecturing, holding office hours, writing exams, evaluating and grading exams throughout the semester. Instructors will be assigned an undergraduate grader who can assist with grading homework. Class size is typically around 25 to 30 students. The ideal candidate for this position will be a current PhD student or a postdoc in a related field (mathematics, statistics, biostatistics, bioinformatics, etc.) who has a strong familiarity with statistics.

Lecturer: Business Statistics (Math 106)

Sections available:

- MWF 8:00 – 9:05 am
- MWF 9:15 – 10:20 am
- MWF 10:30 – 11:35 am
- MWF 11:45 am – 12:50 pm
- MWF 1:00 – 2:05 pm
- MW 4:45 – 6:25 pm
- MW 6:30 – 8:15 pm

This course is required for freshmen in business majors at USF. The course covers the basics of probability and statistics taught through the medium of spreadsheets (Excel). Course topics include graphical and tabular representations of data, numerical summaries of data, basic probability, discrete and continuous probability distributions, sampling distributions, confidence intervals for means and proportions, hypothesis testing for means and proportions, simple linear regression.

The instructor will be solely responsible for lecturing, holding office hours, writing exams, evaluating and grading exams throughout the semester. Instructors will be assigned an undergraduate grader who can assist with grading homework. Class size is typically around 25 to 30 students. The ideal candidate for this position will be a current PhD student or a postdoc in a related field (mathematics, statistics, biostatistics, bioinformatics, etc.) who has a strong familiarity with statistics and the use of Excel.
Lecturer: Precalculus (Math 108)

Sections available:

- MWF 2:15 – 3:20 pm
- MWF 3:30 – 4:35 pm
- TR 6:30 – 8:15 pm

This course is taken by students preparing to take Math 109 Calculus and Analytic Geometry 1. Topics include solving equations, polynomial functions, factor and remainder theorems, graphing functions, exponential functions, logarithmic functions, trigonometric functions, and coordinate geometry.

The instructor will be solely responsible for lecturing, holding office hours, writing exams, evaluating and grading exams throughout the semester. Instructors will be assigned an undergraduate grader who can assist with grading homework. Class size is typically around 25 to 30 students. The ideal candidate for this position will be a current PhD student or a postdoc in a related field (mathematics, statistics, biostatistics, bioinformatics, etc.) who has a strong familiarity with mathematics.

Information about Teaching Mathematics & Statistics at the University of San Francisco

- USF is a private Jesuit university (https://www.usfca.edu).
- USF Department of Mathematics & Statistics website:
  https://www.usfca.edu/arts-sciences/undergraduate-programs/mathematics
- Before the semester begins, there will be a mandatory instructor meeting in order to discuss best practices, course guidelines, and course content.
- We understand that occasionally graduate students and post-docs have obligations to be away for meetings or other work-related events. With enough lead-time to find a substitute, one class absence during the semester can usually be accommodated.
- Part time faculty have access to the USF Center for Instructional Technology (CIT) and can take advantage of a variety of CIT opportunities for training in the use of technology in teaching.