

Department/School Name: Mathematics
Area of Specialization: Statistics or Biostatistics
Rank of Appointment: Assistant or Associate Professor, both tenure track

Position Description for TT search in Statistics

**Department of Mathematics
College of Science & Engineering
San Francisco State University**

Position title: Assistant or Associate Professor in Mathematics.

Start date: August 2018

Salary: Commensurate with qualifications and experience. The California State University provides generous health, retirement and other benefits.

Position Summary: The position is in the Department of Mathematics at San Francisco State University.

The Department of Mathematics has 18 tenured and 5 tenure track faculty members dedicated to offering an outstanding environment for professional achievement and education. Three of the faculty members are trained in the field of Statistics. The Department expects to inaugurate a Master of Science degree program in Statistics in Fall 2018.

The position is for a tenure-track Assistant or Associate Professor with a concentration Statistics and/or Biostatistics. Candidates with a track record of using numerical/computational methods in applied data science will be given highest preference.

The position includes a full-time faculty workload as per Collective Bargaining Agreement between the California State University and the California Faculty Association. The workload primarily includes teaching assigned undergraduate and graduate courses in all areas of Statistics, and conducting an active ongoing scholarship program that advances knowledge in the field of Statistics and/or Biostatistics. The teaching assignments will be in all areas of Statistics. The research/scholarship may address a range of topics in the areas of Statistics and Biostatistics as well as computational aspects of Data Science.

Additional responsibilities include, but are not limited to, productive participation in departmental, college, and university-wide committees; mentoring and advising graduate and undergraduate students; holding regular office hours; curriculum development and improvement, particularly in regard to student learning outcomes; and remaining current in both subject area and teaching methodologies.

Essential Job Tasks:

Prepare course materials, including syllabi, lecture and discussion materials, readings and assignments, assessments, and learning resources.

Prepare and deliver effective lectures to undergraduate graduate students on topics, including introductory and advanced statistics and probability theory, computational statistics, probability models, categorical data analysis, machine learning and big data.

Department/School Name: Mathematics
Area of Specialization: Statistics or Biostatistics
Rank of Appointment: Assistant or Associate Professor, both tenure track

Initiate, moderate, and facilitate classroom discussions.

Evaluate and grade students' class work, assignments, papers, etc. in a timely manner.

Compile, administer, and grade examinations or other learning assessments.

Maintain student grades and other required records or reporting materials.

Conduct research in the field of interest and present findings in peer-reviewed journals, books, research seminars, colloquia, or professional conferences.

Stay current on developments in the discipline by reading new literature, talking with colleagues, and participating in professional conferences.

Seek external funding for research.

Serve the research community by organizing conferences, workshops, and special sessions in larger professional conferences.

Plan, evaluate and revise curricula, course content, course materials, and methods of instruction.

Hold regularly-scheduled office hours for the purpose of advising and assisting students.

Actively participate on assigned committees in accordance with Department or College needs, and SF State's strategic vision.

Actively participate in collegial interactions in fulfilling service assignments and other duties at the department, college, and university level.

San Francisco State University is a member of the CSU system and serves a diverse student body of about 30,000 undergraduate and graduate students. The University seeks to promote appreciation of scholarship, freedom and, human diversity through excellence in instruction and intellectual accomplishment. San Francisco State University faculty members are expected to be effective teachers and demonstrate professional achievement and growth through research, scholarship, and/or creative work. Our goal is to attract a world-class and diverse faculty committed to build a multicultural educational environment.

San Francisco State University is an Equal Opportunity/Affirmative Action Employer with a strong commitment to diversity. All qualified applicants will be considered irrespective of race, color, sex, religion, national origin, disability, protected veteran status, or other legally protected category. We strongly encourage the application of individuals from historically underrepresented groups.