Position title: Assistant or Associate Professor in Mathematics

Start date: August 2016

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

Position Summary:

The position is in the department of Mathematics at San Francisco State University. SF State is a member of the California State University system and serves a diverse student body of 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. The Department of Mathematics has 19 tenured and 3 tenure-track faculty members dedicated to an outstanding environment for professional achievement and education.

The position is for a tenure-track Assistant or Associate Professor with a specialization in Geometry or Topology.

The position includes a full-time faculty workload per the 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 Mathematics, supervising student research and conducting an active ongoing scholarship program in areas related to Geometry or Topology.

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

Essential Job Tasks:

Prepare course materials such as syllabi, lecture and discussion materials, readings and assignments, assessments, and learning resources; Prepare and deliver effective lectures to undergraduate and graduate students in all areas of Mathematics, especially on topics such as Geometry or Topology; 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 one's field of interest and present findings in peer-reviewed journals, books,  
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;  
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;  

Additional duties as assigned.  

**Minimum Education, Experience, Knowledge, Skills, and Personal Abilities:**  

An earned Ph.D. in Mathematics;  
For the Assistant Professor rank, strong evidence of professional accomplishment in  
Geometry or Topology, together with either proven success in securing external funding or  
exceptional promise in doing so;  
For the Associate Professor rank, an established record of research leadership in Geometry or  
Topology, and a track-record of continual success in securing external funding as PI;  
1-2 years of undergraduate teaching experience with a large, diverse student body or in a  
multicultural setting strongly preferred;  
Knowledge of principles and methods for curriculum design, instruction of individuals and  
groups, and the assessment of learning;  
Planning and organizing skills sufficient to ensure implementation of the assigned curriculum,  
job duties, and established expectations;  
Oral and written communication skills in the English language at a level that comprehends and  
conveys information to and from students, colleagues, and others in an effective manner;  
Awareness and engagement with critical concerns in the discipline and capacity to continue to  
produce original work;  
Interpersonal orientation that encourages productive interactions with students, colleagues, and  
other campus stakeholders and promotes collegiality in department, college and university  
contexts;