



Application Review Begin Date: 01/03/2020
Job Number: 498122
Application Link: <https://www.mathjobs.org/jobs/list/16695>
Work type: Instructional Faculty – Tenure-Track
Location: Fullerton
Categories: Unit 3 - CFA - California Faculty Association

Department of Mathematics

College of Natural Sciences and Mathematics

Assistant Professor

Fall 2021

Position Description

The Department of Mathematics at California State University, Fullerton, invites applications for a tenure-track position in Mathematics Education at the Assistant Professor level with appointment to begin in August 2021. Individuals interested in advancing the University's Strategic Plan diversity, equity, and inclusion goals are particularly encouraged to apply.

Directly supporting CSUF's mission to educate our diverse and dynamic student body, the majority of whom are students of color and the first in their family to earn a college degree, this search is part of a cohort hire of five tenure-track faculty members across the departments of African American Studies, Chicana/Chicano Studies, Asian American Studies, Theatre and Dance, and Mathematics whose teaching and research supports campus progress towards an anti-racist, inclusive and socially-just future. We anticipate that several additional faculty hired in the 20-21 academic year will choose to join this cohort. Academic Affairs and Human Resources, Diversity, and Inclusion will support these new faculty with mentorship designed to sustain and advance their teaching and scholarly or creative activity success and to create a secondary community to complement that of their home department.

Candidates for this position should be mathematics educators with a strong mathematics background or mathematicians with a strong interest and experience in mathematics education. Candidates should also have expertise in equitable teaching practices in mathematics.

Responsibilities include:

- Teaching undergraduate and graduate courses in mathematics and mathematics education, including graduate teacher-oriented courses in the general areas of algebra, analysis, problem-solving, and/or geometry with topics related to diversity, equity, and inclusion in both face-to-face and virtual settings.
- Being active in research related to the teaching and learning of mathematics, with particular emphasis in issues related to diversity, equity, and inclusion.
- Advising students in the teaching options of the undergraduate and graduate degree programs.

This position offers a number of exciting opportunities to collaborate with elementary, middle school, and high school teachers, CSUF College of Education faculty members, community college instructors, and mathematicians on a variety of teaching, research, and grant-funded projects. The successful candidate will contribute to the mathematics community at CSUF through teaching, research, professional activities, and service on departmental and university-wide committees and as part of the cohort of cluster hires.



Required Qualifications

The successful candidate must:

- Have a Ph.D. in a field directly related to Mathematics Education, and a master's degree (or substantial graduate coursework and bachelor's degree) in Mathematics; or a Ph.D. in Mathematics with demonstrated experience and expertise in Mathematics Education. All degree requirements must be completed prior to the starting date.
- Be able to contribute to the graduate teaching math program in the general areas of algebra, analysis, problem-solving, and/or geometry and incorporate topics related to diversity, equity, and inclusion.
- Have a well-defined research agenda that informs and supports equitable and inclusive teaching practices in mathematics with a clear vision of current and future work.
- Have a demonstrated commitment to teaching and mentoring students of diverse ethnic, cultural, and socioeconomic backgrounds, as well as the ability to communicate effectively with a culturally diverse campus community.

Preferred Qualifications

- Demonstrated excellence in teaching at the undergraduate and master's levels.
- Interest in collaborating and contributing to the mathematics community at CSUF through research and professional activities, such as DEI-focused workshops as well as service on departmental and university-wide committees.
- A successful record of obtaining external funding.
- Teaching expertise in online/virtual environments.

Application Procedure

A complete online application must be received by electronic submission via <https://www.mathjobs.org/jobs/list/16695> in order to receive consideration. Please provide the following required materials:

- A cover letter addressing the following
 - Required qualifications
 - Preferred qualifications, if applicable
 - What attracts you to CSUF
 - How your professional aspirations align with the Department's programs and activities
 - How your professional experience and interests link to issues in secondary and post-secondary education
- Full Curriculum Vitae
- Research statement, including a five-year research plan
- Teaching statement
- Candidate Statement on Commitment to Inclusive Excellence that addresses contributions and commitment to diversity, equity, inclusion and social justice in mathematics teaching and learning. The purpose of this statement

is to help departments identify candidates who have professional experience, intellectual commitments, and/or willingness to engage in activities that could help CSUF contribute to its mission in these areas.

- Graduate transcripts (Unofficial accepted for application deadline – Official transcripts due no later than January 22, 2021)
- Three letters of recommendation
 - On the references page of the online application, enter information for three referents who will provide a confidential letter of reference for your application. They will receive a request via email along with information on uploading the letter. You will be able to verify that each letter has been received by CSUF by logging back into the recruitment system.
 - The letters should speak to the candidate's teaching and/or research potential as well as potential to be a productive member of the Department; at least one of the letters must reference the candidate's teaching potential

Application Deadline

To be assured full consideration, all application materials must be received by **January 3, 2021**.

Anticipated Appointment Date is August 9, 2021.

Please direct all questions about the position to: **Dr. Cherie Ichinose** at cichinose@fullerton.edu

Mathematics Education at CSU Fullerton

The Mathematics Department currently has seven full-time tenured or tenure-track faculty members in the area of Mathematics Education. Research areas of the Mathematics Education group include advanced mathematical thinking, problem posing and problem solving, mathematical modeling, professional development, and access and equity issues in mathematics. The Mathematics Education group is involved in a number of nationally funded projects, having received more than twenty million dollars in funding over the past ten years including partnerships with local school districts and community colleges that serve a majority Latinx student population. Virtually every high school in Orange County has at least one mathematics faculty member who is a CSUF alumnus. Many graduates from the Master's Program in Teaching Mathematics have gone on to become mathematics professors at community colleges in southern California and beyond. In addition, a number of our master's graduates have gone to earn their doctorates in mathematics education.

The Mathematics Department

The Mathematics Department has 35 tenured or tenure-track faculty members and offers an undergraduate degree program with concentrations in Teaching Mathematics, Statistics, Actuarial Science, Pure Mathematics, and Applied Mathematics. The department also offers the following graduate degree programs: M.A. in Teaching Mathematics, M.A. in Applied Mathematics, and M.S. in Statistics. Extra-curricular activity is an integral part of our department culture. We maintain a strong student research presence at the Joint Mathematics Meetings and our Putnam Team regularly scores in the top quartile. We are considered a leader in cutting edge and inclusive pedagogical practices. Our faculty often pursue and are awarded grants to fund efforts to support our students. For more details, please visit the Mathematics Department webpage at <http://www.fullerton.edu/math/>.

The University and College

California State University, Fullerton is one of the largest universities in California, serving 40,000 students from southern California and especially Orange County. It is the largest of the 23 California State University campuses, the largest and most diverse university system in the country, and one of the most affordable. It ranks fifth and ninth nationally in the number of baccalaureate degrees awarded to Hispanic and minority students, respectively. CSUF is an affirmative action



and equal opportunity employer with a strong commitment to increasing the diversity of the campus community and the curriculum, and fostering an inclusive environment within which students, staff, administrators and faculty thrive.

“The College of Natural Sciences and Mathematics (CNSM) is dedicated to the principle that teaching and research are intricately mixed and that undergraduate research, when properly approached, is an integral part of teaching. This fine balance between teaching and research is CNSM's greatest strength. Through the combination of quality instruction, student involvement in research and strong academic advisement, CNSM provides its students with the best education possible.” (<http://www.fullerton.edu/NSM/>)

Additional Information

Salary is commensurate with experience and qualifications. Summer research grants, moving expenses, start-up funds, and a reduced initial teaching load may be available. An excellent comprehensive benefits package is available that includes: Health/vision/dental plans; spouse, domestic partner and dependent fee-waiver; access to campus child-care; and a defined-benefit retirement through the state system along with optional tax sheltering opportunities. For a detailed description of benefits, please visit <https://hr.fullerton.edu/total-wellness/>.

The person holding this position is considered a ‘mandated reporter’ under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

A background check (including a criminal records check) must be completed satisfactorily before any candidate can be formally offered a position with the CSU. Failure to satisfactorily complete the background check may affect the application status of applicants or continued employment of current CSU employees who apply for the position.

Reasonable accommodations will be provided for qualified applicants with disabilities who self-disclose.

Notice of Non-Discrimination on the Basis of Gender or Sex and Contact Information for Title IX Coordinator (<http://www.fullerton.edu/titleix/about/notice.php>)