

**University of Colorado Denver**  
**School of Education & Human Development**

**Mathematics Education/Teacher Education**

**School of Education and Human Development**

Tenure-Track Faculty Position

Assistant Professor

The School of Education at the University of Colorado Denver (UCD) announces a tenure-track faculty position in Mathematics Education beginning in fall 2010. The faculty member filling this position will conduct research in mathematics education and/or mathematics teacher education, play a key role in the doctoral program and contribute to the teaching and service missions of the School of Education and Human Development ([www.ucdenver.edu/academics/colleges/SchoolOfEducation](http://www.ucdenver.edu/academics/colleges/SchoolOfEducation)). Additionally the faculty member will participate in the new and innovative master's degree program in mathematics education. This new degree was collaboratively developed with faculty from the department of mathematical sciences; it features mathematics and educational content and experiences in applied and experiential mathematics and pedagogy.

Mathematics education at the University of Colorado Denver is among the cutting edge programs across the United States, not the least because of its commitment to the School's vision of equity. Members of the mathematics education faculty work closely with the department of mathematical sciences in order to design and implement courses for pre-service and in-service teachers, as well as conduct research on nationally funded projects. In addition, the mathematics education faculty is part of the Center for Applied Science and Mathematics for Innovations and Competitiveness (CASMIC), which provides faculty across colleges and schools a forum to collaborate and integrate on interdisciplinary programs and research.

UCD is the premier urban research university in Colorado and is committed to becoming one of the top ten urban institutions in the country. Located in the heart of downtown Denver, with its increasingly diverse population (32% Latino, 11% African American), the School of Education and Human Development (SEHD), accredited by NCATE, has taken a leadership role in preparing equity-devoted professionals to work in diverse schools, agencies and educationally-related settings. The SEHD emphasizes diverse collaborative partnerships including PK-12 schools, local communities, businesses, government agencies, private foundations, and other universities and colleges; and, the initial teacher education program works exclusively within a professional development school (PDS) model in diverse urban settings. Our mission aims at being a nationally and internationally leading School of Education that provides expertise on educational issues and socially-just solutions for urban and diverse communities.

The SEHD is one of 11 schools/colleges that make up the University of Colorado at Denver and Health Sciences Center. The others are the College of Liberal Arts and Sciences, the College of Architecture and Planning, the College of Arts and Media, the Business School, the School of Engineering, the Graduate School of Public Affairs, the School of Medicine, the School of Pharmacy, the School of Nursing, and the School of

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Dentistry. These schools are housed on two, recently consolidated campuses—one in downtown Denver and one at Fitzsimons in Aurora (about 8 miles apart). The SEHD currently includes fifty full time faculty, over 2000 graduate students, and a growing undergraduate student body as well as grant faculty and staff who are responsible for about \$8 million annually in grants.

### **Major Responsibilities**

- Teach undergraduate and graduate mathematics education courses (e.g., pre-service and in-service mathematics teachers), infusing multicultural aspects of teaching and learning into all courses
- Develop and conduct a vigorous research agenda that addresses burning problems/ issues in mathematics education, particularly in high school mathematics teacher education
- Participate and teach courses in the doctoral program
- Advise students with the support of the student service center
- Participate in the development and implementation of a strategic process for the recruitment of underrepresented groups into mathematics education
- Improve and maintain performance-based assessments aligned with professional standards in mathematics to inform program improvement and approval
- Establish relationships and seek grant funding with other faculty in the School of Education, the mathematics department in the College of Liberal Arts and Sciences, and community partners.

### **Minimum Qualifications**

- An earned doctorate in Mathematics Education or Education with an emphasis in Mathematics Education, or a closely related field
- Experience in teaching mathematics in Grades K-12 with expertise in high school mathematics
- Demonstrated success and/or potential for strong productivity in mathematics education research (focused on high school), grant writing, and scholarship
- Demonstrated success or obvious potential for pre-service and in-service teaching (emphasis on high school teaching and learning of mathematics)
- Experience with culturally, linguistically, and economically diverse communities, knowledge of urban schools' issues, and an interest in collaborating with a variety of constituencies in an urban environment.

### **Preferred Qualifications**

- Experience working with teacher candidates in professional development school settings
- Demonstrated success or potential success for graduate level teaching
- Experience working with community and federal mathematics agencies and institutions
- Experience working with graduate students in instruction, mentoring and research related activities

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### Employment Conditions

This is a full-time academic year position. Opportunity for summer teaching is available. Salary is commensurate with qualifications. The University of Colorado offers a full benefits package. Information on University benefits programs, including eligibility, is located at <http://www.cu.edu/pbs/benefits/>

Rank: Assistant Professor

Position availability: August 10, 2010

### Application Procedures

Please prepare the following materials for submission. All applications must be submitted through the University's online job application site: <http://www.jobsatcu.com>.

1. A letter of application including the candidate's interests, experiences, and qualifications related to the responsibilities of the position.
2. A current curriculum vitae.
3. Transcripts of graduate work with evidence of terminal degree. Unofficial transcripts may be sent for application. Official transcripts will be requested at point of hire.
4. Three current letters of reference that address the particular requirements for the position.
5. Selected portfolio materials such as examples of current research and publications, a research agenda/plan, course syllabi, teaching evaluations, teaching philosophy, courses taught, partnership activities, involvement with diverse communities, etc.

Review of applications will begin October 5, 2009 and will continue until the position is filled.

All materials received become the property of the University of Colorado Denver.

**Address inquiries** to the search committee co-chairs: Dr. Ron Tzur at [ron.tzur@ucdenver.edu](mailto:ron.tzur@ucdenver.edu) or Dr. Karen Koellner at [Karen.koellner@ucdenver.edu](mailto:Karen.koellner@ucdenver.edu)

### Address application inquiries to:

Ann Sanders

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The University of Colorado Denver is an equal opportunity employer and educator committed to excellence through inclusiveness.

The University of Colorado Denver is dedicated to ensuring a safe and secure environment for our faculty, staff, students and visitors. To achieve that goal, we conduct background investigations for all prospective employees.