

Teaching and Outreach Opportunities in the School of Mathematical Sciences

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Teaching opportunities

- ▶ Upper division courses
- ▶ Courses for the Arizona Teacher Initiative
- ▶ Secondary Mathematics Education Program
- ▶ Teaching Math 302A or 302B (courses for elementary school teachers)
- ▶ Undergraduate Research Assistantships. Contact Moysey Brio.

Getting started with outreach

- ▶ The Tucson Math Teachers' Circle. Contact Ginny Bohme.
- ▶ The Tucson Math Circle. Contact Matt Thomas.
- ▶ Arizona Master Teachers of Mathematics. Contact Marta Civil.
- ▶ Intel Math. Contact Aubrey Neihaus.
- ▶ High School Calculus Visitation Program. Contact Bill Velez.
- ▶ Mathematics Factory (traveling exhibit with hands on activities for elementary and middle school students). Contact Bruce Bayly.
- ▶ Instructional colloquium. Contact Carrie Wright.

More substantial outreach opportunities

- ▶ Undergraduate Teaching Assistantship Program
- ▶ G-TEAMS (Graduate Students and Teachers Engaging in Mathematical Sciences)
- ▶ Institute for Mathematics and Education Workshop

G-TEAMS (Graduate Students and Teachers Engaging in Mathematical Sciences)

- ▶ Job description: (i) Assist the PI in giving feedback to the 9 graduate fellows currently participating in the program. This includes reading the fellows' journals and attending biweekly meetings with the fellows, the program coordinator, and the PI. (ii) Visit fellows' classes if needed. (iii) Work with the fellows on poster presentations or on web pages describing program activities.
- ▶ Possibility of attending the National GK-12 meeting in DC in March 2011.
- ▶ Most of the work will take place in the Spring but it is expected that the candidate would meet with the PI and the fellows in the Fall and familiarize himself/herself with current program activities.
- ▶ Contact: Joceline Lega, PI (lega@math.arizona.edu)

Institute for Mathematics and Education

- ▶ Job description: (i) Oversee the compilation of essays written during the Calculus workshop that was held at the IM&E in Spring 2010. This involves having the essays reviewed, working with authors to amend them accordingly, and possibly overseeing the publication of these essays in an appropriate journal, in coordination with the workshop organizers. (ii) Work with future workshop organizers to prepare products (reports, essays, etc) to be published either online (e.g. on the IM&E website), or in appropriate education journals. (iii) Attend corresponding IM&E workshops.
- ▶ Most of the workshops will be held in the Spring of 2011, but the candidate is expected to familiarize himself/herself with IM&E activities in the Fall semester. Editing of the Calculus essays should start as soon as possible.
- ▶ Contact: Joceline Lega, Director (lega@math.arizona.edu)