

Archived Information

Mathematical Association of America

Improving Teacher Knowledge:

Professional Enhancement Program (PREP): Programs in Teacher Preparation

Goal:

To enhance the knowledge of mathematical sciences faculty in pedagogy and content that relate directly to preservice teacher education.

Summary:

PREP has offered 14 professional development workshops for college and university faculty in the first two years, three dedicated to teacher preparation. There are 15 workshops planned for summer 2003, two dedicated to teacher preparation. One of these is a two-summer and intervening year, intensive educational activity.

Purpose:

PREP is a comprehensive, professional career enhancement project of the MAA funded by NSF/DUE. A component of PREP addresses the specific needs of faculty teaching prospective teacher of mathematics in K-12.

Accomplishments/Results:

2001 PREP Workshops

- *The Mathematical Preparation of Elementary School Teachers*, May 14-18, 2001
Appalachian State University, Boone, NC, 20 participants

2002 PREP Workshops

- *Mathematical Methods and Modeling for Secondary Mathematics Teacher Education*
June 23-28, 2002, Lewis and Clark College, Portland, Oregon, 12 participants
- *Teaching Future High School and Middle School Teachers*
June 9-20, 2002, SUNY Potsdam, Potsdam, New York, 24 participants
This workshop includes an intervening year project and a second two-week session to be held in June 2003.

Plans for the Next 12 Months:

- *Active Learning Approaches to Teaching Mathematics Content Courses for Elementary and Middle-School Teachers*
July 7-11, 2003, Western Oregon University, Monmouth, Oregon
- *Mathematical Methods and Modeling for Secondary Mathematics Teacher Education*
August 3-8, 2003, Montana State University, Bozeman, Montana

Additional information is available at <http://www.maa.org/PREP>.