

# Department of Mathematical Sciences Colloquium

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## *Mathematics Courses for Middle School Teachers*

The (CM)2 project has developed four new monographs for future middle school mathematics teachers. The four books are intended as materials for college content courses on the junior/senior level. They focus on the areas Algebraic Structures and Number Theory, Geometric Structures, Data Analysis and Probability, and Mathematics of Change (calculus). The (CM)2 materials are built upon a framework laid out in the CBMS Mathematical Education of Teachers Book (MET) (2001). This report outlines recommendations for the mathematical preparation of middle grade teachers that differ significantly from those for the preparation of elementary teachers and provides guidance to those developing new programs. Our books are designed to provide middle grade mathematics teachers with a strong mathematical foundation and connect the mathematics they are learning with the mathematics they will be teaching. Their focus is on algebraic and geometric structures, data analysis and probability, and mathematics of change, and employ standards-based middle grade mathematics curricular materials as a springboard to explore and learn mathematics in more depth. They have been extensively piloted in Summer Institutes, courses offered at school-based sites, a variety of professional development programs, and in courses offered at a number of universities throughout the nation.

**Thursday, March 9, 2006, at 3 pm in Bell Hall 143  
The University of Texas at El Paso**

Refreshments will be served in front of the colloquium room 15 minutes before the start of the colloquium.

For further information, please contact Dr. Pavel Šolín, Bell Hall 220. Phone: (915) 747-6770, email: [solin@utep.edu](mailto:solin@utep.edu).