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MICHIGAN STATE UNIVERSITY
Division of Science and Mathematics Education
Colleges of Natural Science and Education

**SUMMER COURSE FOR
MIDDLE SCHOOL MATHEMATICS EDUCATORS**

Summer 2010 Application

SME 600 ~ Special Problems for K-8 Teachers

Topic: **Patterns of Change and School Algebra** ~August 2-13, Mon-Fri, 8 am–12:15 pm

Instructor: Gail Burrill 3 credits

The goal of the course is to develop knowledge of algebra and of the mathematics of change that will be useful in teaching middle school students. You will engage in activities such as doing mathematical tasks; reading articles about teaching; discussing narrative and video cases of middle school teaching; and planning lessons – so you will be able to meet the following objectives:

- Recognize patterns of change as a fundamental mathematical concept
- Relate patterns of change to functions
- Compare and contrast linear and non-linear relationships and their representations
- Identify informal connections between middle school mathematics, high school mathematics & calculus.

SME 600 will be cancelled by July 26 if there is insufficient enrollment. Students who applied will be notified via E-mail address submitted on application.

The course will meet on the campus of Michigan State University

SEND COMPLETED APPLICATION TO:

Summer Program for Teachers
ATT: Margaret Iding
Division of Science and Mathematics Education
116 North Kedzie Lab
Michigan State University
East Lansing, MI 48824
Phone: 517-355-1708 x 105 Fax: 517-432-9868
E-Mail: idingm@msu.edu

Degree candidates and other students wishing to be considered for a scholarship (support provided through The Towsley Foundation) to partially cover the cost of tuition, must submit this application by July 16, 2010. Contact Margaret Iding with any questions.

