

Southeast Missouri State University

Department of: The Graduate School
Course Title: AP Institute: Mathematics Vertical Teams

Course Number: GI 641
New: Summer 2000

approved
GC 2-15-00
(Atkins/Shepard)

I. Catalog Description and Credit Hours of Course:

The Advanced Placement Program Mathematics Vertical Teams Toolkit will be studied as a resource for implementing vertical teams in mathematics aimed at increasing the number and diversity of students succeeding in Advanced Placement Calculus. (3)

II. Prerequisites:

Graduate Status or Consent of the Instructor

III. Purposes or Objectives of Course:

To provide students with the knowledge and skills needed to establish a mathematics vertical team in their school.

IV. Expectations of Students:

Students will participate in the discussion of *The Advanced Placement Program Mathematics Vertical Teams Toolkit* and develop a plan for the establish of a mathematics vertical team in their school.

V. Course Content

The course will be built around *The Advanced Placement Program Mathematics Vertical Teams Toolkit* developed by The College Board and The Charles A. Dana Center at the University of Texas at Austin. A mathematics vertical team is made up of mathematics teachers from a given school and the schools that feed into that school. Team members represent numerous grade level and types of mathematics courses. The primary goal is to enhance all students' achievement by increasing communication and cooperation among the members of the team about the mathematics program at their school.

VI. Textbook and Other Material:

The Advanced Placement Program Mathematics Vertical Teams Toolkit by The College Board and The Charles A. Dana Center, Longhorn Graphics, Austin, Texas, 1998.

VII. Basis for Student Evaluation:

Students will be evaluated on their

knowledge of the steps needed to establish a mathematics vertical team,	30%
assessment of their local situation and possible improvements,	30%
plan of action to develop a mathematics vertical team, and	20%
strategies and techniques for the evaluation of their efforts.	20%