

University of Louisville
College of Education and Human Development

Field Experience Description

COURSE INFORMATION	
Course Name and Number	EDTP 604: Teaching Elementary School Mathematics
Brief Course Description	Investigation of trends, learning theories, instructional activities, and manipulative materials applicable to mathematics education in the elementary school. The focus of this course is on means for improving the teaching of mathematics in the elementary school for all learners. Particular attention will be given to the implementation of the National Council of Teachers of Mathematics' <i>Principles and Standards for School Mathematics</i> . In addition, there will be an emphasis on developmental approach to mathematics learning, teaching, and assessment.
Programs that Require this Course	P-5 MAT Program
DESCRIPTION OF FIELD COMPONENT	
Number and Distribution of Hours in the Field	Three hours each week for the entire semester in an elementary school in the metro Louisville area.
Purpose(s) of Field Experiences	To learn how to teach mathematics developmentally to elementary school students, and to assess their learning in authentic ways.
Hallmark Assessment Task (HAT) (only if Field based)	Teacher candidates complete a New Idea Tryout. They choose and teach an activity from the course textbook that fits with the content being taught by the classroom teacher. Then they analyze the results and their own teaching-especially their effect on the students.
Description of field-based assignments assessed in course (other than HAT)	<p>Teacher candidates interview 3 students to diagnose their strengths and weaknesses in a specific content area. Then they describe how a classroom teacher would address that wide range of differences when teaching the same content area.</p> <p>Teacher candidates also teach and videotape a math lesson; then they analyze and reflect on their teaching – as well as on the teaching of a colleague.</p>
Additional experiences while at field placement	Teacher candidates teach a variety of mathematics lessons during the 2 days per week they are at the school.
Cooperating Teacher Role and Required Support	Cooperating teachers provide advice about teaching mathematics, and time for the teacher candidates to teach mathematics to their students.

