

THE COLLEGE OF NEW JERSEY MATHEMATICS AND STATISTICS DEPARTMENT

MTT 490 Student Teaching: Mathematics

2 units

Prerequisites: MTT 390 and meeting all the criteria for admission to student teaching including completion of all required mathematics courses and cumulative average of at least 2.75.

I Course Description

Student teaching during the senior year under direct supervision of approved public school and general supervision of college supervisors. Observation, participation, and responsible teaching. SED 498, *Collaborative Capstone for Professional Inquiry*, is a co-requisite for MTT 490.

II Course Objectives

The readings, assignments, activities, and assessments in this course are consistent with the five themes of the School of Education's Conceptual Framework: 1) Knowledge and Inquiry, 2) Excellence in Practice, 3) Multiculturalism, Diversity, Inclusion, 4) Multiple Contexts and Communities, 5) Leadership and Advocacy. These themes are reflected in the following objectives. The students completing this course should:

- A. Demonstrate positive attitudes toward children, mathematics, and teaching.
- B. Demonstrate the ability to plan and use a variety of teaching methods.
- C. Demonstrate the ability to organize classroom materials and records.
- D. Demonstrate the ability to develop examples, activities, and problems appropriate to the learners and the mathematical concepts and principles being taught.
- E. Demonstrate the ability to use resource materials (manipulatives, games, kits, computer software, videotapes, periodicals, books) appropriate to the learners and the mathematical concepts and principles being taught.
- F. Select teaching strategies and plan lessons for a variety of situations related to the learners, the content, and the environment.
- G. Select or develop means of evaluating the mathematical knowledge of the students.
- H. Use appropriate methods for diagnosing and remedying common deficiencies in the learning of mathematics.

III Course Outline

Culminating professional laboratory field experience: performance-based.

IV Teaching Methods

- A. Observation by mathematics department supervisor, education department supervisor and cooperating teachers.
- B. Conferences with college supervisors and cooperating teachers.
- C. Written feedback will be provided to the student teacher.
- D. SED 498 will serve as a complementary course to the student teaching experience.

V Course Requirements

- A. Develop and implement a unit of instruction.
- B. Develop and implement daily lesson plans.
- C. Develop and implement teacher-made evaluative instruments.
- D. Maintain necessary school records.
- E. Participate in conferences and other school wide activities.
- F. Maintain desirable classroom atmosphere including appropriate classroom management techniques.
- G. Demonstrate growth in professional skills, understandings and attitudes.
- H. Demonstrate professional behavior in the school environment.

VI Procedures for Evaluation

- A. Mid-quarter cooperating-teacher evaluations.
- B. Final cooperating-teacher evaluations.
- C. Faculty supervisor evaluations.

Revised 7/11/00 bc
1/17/05 csl