

# THE COLLEGE OF NEW JERSEY MATHEMATICS AND STATISTICS DEPARTMENT

## **MTT 490 Clinical Practice II**

**2 units**

**Prerequisites:** *MTT 390 and meeting all the criteria for admission for student teaching including completion of STA 216, MAT 301, MAT 351, and MAT 305, and all but at most 3 of their required mathematics courses, at least C+ in MTT 390, and cumulative average of at least 3.0.*

**Corequisite:** *SED 498*

*Student Teaching during the senior year under direct supervision of approved public school and general supervision of college supervisors. Observation, participation, and responsible teaching.*

### **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 and cooperating teachers.
- B. Conferences with college supervisor 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 daily lesson plans.
- B. Develop and implement teacher-made evaluative instruments.
- C. Maintain necessary school records.
- D. Participate in conferences and other school wide activities.
- E. Maintain desirable classroom atmosphere including appropriate classroom management techniques.
- F. Demonstrate growth in professional skills, understandings and attitudes.
- G. 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

9/13/17 csl