

# 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 B- in MTT 390, and cumulative average of at least 3.0.*

**Corequisite:** *SED 498*

## ***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 course goals are tied to the five principles of the School of Education's Conceptual Framework, Creating Agents of Change (CF 1-5):

CF 1. Demonstrating Subject Matter Expertise

CF 2. Demonstrating Excellence in Planning and Practice

CF 3. Demonstrating a Commitment to All Learners

CF 4. Demonstrating a Strong, Positive Effect on Student Growth

CF 5. Demonstrating Professionalism, Advocacy, and Leadership.

A. Demonstrate positive attitudes toward children, mathematics, and teaching.(CF1, CF3, CF5)

B. Demonstrate the ability to plan and use a variety of teaching methods.(CF2)

C. Demonstrate the ability to organize classroom materials and records.(CF2)

D. Demonstrate the ability to develop examples, activities, and problems appropriate to the learners and the mathematical concepts and principles being taught.(CF2)

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.(CF2)

F. Select teaching strategies and plan lessons for a variety of situations related to the learners, the content, and the environment.(CF2)

G. Select or develop means of evaluating the mathematical knowledge of the students.(CF4)

H. Use appropriate methods for diagnosing and remedying common deficiencies in the learning of mathematics.(CF2)

### ***III. Course Outline***

Culminating professional laboratory field experience: performance-based. The Mathematics Lesson Observation Rubric will be used to provide feedback after each observation. Midterm and final performance will be assessed using the TCNJ Core Clinical Competencies Inventory Teaching Performance Assessment Rubric (the TCNJ CCCI TPA), Mathematics supplement, and the SOE Educational Dispositions Assessment.

### ***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-semester and final cooperating-teacher evaluations.
- B. Mid-semester and final faculty supervisor evaluations.

Revised:

7/11/00 bc

1/17/05 csl

9/13/17 csl

10/5/18 csl

3/20/26 csl