



### **Course Description**

#### **MAE4942 | Seminar in Mathematics Education | 3.00 credits**

The student will engage in professional dialogue and explore professional development opportunities related to teaching in the secondary science setting. This seminar course is taken in conjunction with a full time, supervised teaching experience and provides an opportunity to examine and reflect on the daily experiences of becoming a highly effective teacher. Co-requisites: MAE4945.

### **Course Competencies:**

**Competency 1:** The student will recognize the role of the teacher by:

1. Reflecting on 6-12 students' mathematical learning experiences and outcomes to plan for instruction
2. Identifying instruction that uses various culturally and linguistically relevant materials and resources in 6-12 mathematics settings
3. Participating in various professional development activities appropriate to mathematics education

**Competency 2:** The student will prepare for professional employment by:

1. Completing and submitting a job application with Miami Dade County Public Schools System
2. Completing and submitting an Instructional Performance Evaluation and Growth System Form

**Competency 3:** The student will apply continuous improvement experiences by:

1. Identifying graduate school opportunities that are available in the local community
2. Recognizing the importance of educational neuroscience and differentiated instruction in the classroom for diverse learners. Applying research-based pedagogy in the teaching of the Holocaust. d. Applying First Aid and CPR in the classroom setting

### **Learning Outcomes:**

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Create strategies that can be used to fulfill personal, civic, and social responsibilities