



Course Description

SCE4943 | Seminar in Science 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: SCE4945.

Course Competencies

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

1. Reflecting on 6-12 students' science learning experiences and outcomes to plan for instruction
2. Identifying instruction that uses various culturally and linguistically relevant materials and resources in a 6-12 biology, chemistry, earth/space science, or physics setting
3. Participating in a variety of professional activities appropriate to science 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:

3. Identifying graduate school opportunities available in the local community
4. Recognizing the importance of educational neuroscience and differentiated instruction in the classroom for diverse learners
5. Applying research-based pedagogy in the teaching of the Holocaust. 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
- Demonstrate knowledge of diverse cultures, including global and historical perspectives
- Use computer and emerging technologies effectively