FUTURE UNDERGRADUATE SCIENCE EDUCATORS (FSE)

College of Biological Sciences

FSE 301 — Developing Teaching Resources (2 units)
Course Description: Development of curricular materials relevant to undergraduate science courses including complete learning outcomes, lesson plans, learning activities, assessments, data from implementation, and student or peer evaluation of material. 
Learning Activities: Lecture/Discussion 2 hour(s).
Enrollment Restriction(s): Open to graduate students admitted to the Future Undergraduate Science Educators (FUSE) Graduate Academic Certificate program only. 
Grade Mode: Satisfactory/Unsatisfactory only.

FSE 305 — Building a Teaching Portfolio (2 units)
Course Description: Development of a professional and comprehensive teaching portfolio including a teaching philosophy statement, teaching resume/CV, cover letter, reflection on teaching and professional development experiences, sample curricular materials, student evaluations, and peer evaluation. Careers in higher education. 
Learning Activities: Lecture/Discussion 2 hour(s).
Enrollment Restriction(s): Open to graduate students only. 
Grade Mode: Satisfactory/Unsatisfactory only.

FSE 310 — Effective Teaching of College Biology (3 units)
Course Description: Undergraduate science education pedagogy. Evidence-based practices in undergraduate science course design, structure and facilitation of classroom learning, assessment, student engagement, inclusion of diverse learners, and the use of technology in enhancing learning. 
Learning Activities: Lecture/Discussion 3 hour(s).
Enrollment Restriction(s): Open to graduate students only. 
Grade Mode: Letter.

FSE 391 — Scholarship of Teaching & Learning Seminar (2 units)
Course Description: Research articles on the scholarship of teaching and learning. Current trends in undergraduate level pedagogical research methods and results. 
Learning Activities: Lecture/Discussion 2 hour(s).
Grade Mode: Satisfactory/Unsatisfactory only.

FSE 392 — Teaching Practicum in the Sciences (2-6 units)
Course Description: Teaching practicum in a college-level science course. Planning and facilitation of class sessions in a college-level setting. Assessment of student learning under the guidance of a science faculty mentor. Teaching assignments must be approved by the instructor of record and the students’ thesis advisor. 
Prerequisite(s): Consent of instructor.
Learning Activities: Internship 1-3 hour(s).
Enrollment Restriction(s): Open only to graduate students enrolled in the Future Undergraduate Science Educators (FUSE) Graduate Academic Certificate program. 
Grade Mode: Satisfactory/Unsatisfactory only.