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.