ENGR - ENGINEERING

ENGR 600 Engineering Graduate Study Abroad
Credits 1 to 15. 1 to 15 Lecture Hours.
For students in approved study abroad and reciprocal educational exchange programs. May be taken two times for credit.
Prerequisites: Graduate classification in engineering; admission to approved program abroad; approval of study abroad coordinator.

ENGR 630 Fundamentals of Subsea Engineering
Credits 3. 3 Lecture Hours.
Orientation to subsea engineering fundamentals; includes SURF (Subsea, Umbilicals/Controls, Risers, Flowlines) equipment and configurations; exposure to practical, industry focused problems; subsea equipment components; design considerations and design drivers; subsea production operations; integrity critical maintenance activities.
Prerequisites: Graduate classification, enrollment in the College of Engineering or approval of instructor.

ENGR 677 Science, Technology, Engineering and Mathematics (STEM) Teaching Professional Development
Credit 1. 1 Lecture Hour.
Center for Teaching Excellence (CTE) consultation and faculty mentoring in STEM teaching; course topic and syllabus design; learning outcomes and assessment; teaching methodology; reflection on teaching philosophy; reflection on teaching as research. Must be taken on satisfactory/unsatisfactory basis.
Prerequisites: Graduate classification and approval of instructor.
Cross Listing: GEOS 677 and SCEN 677.

ENGR 681 Professional Development Seminar
Credit 1. 1 Other Hour.
Topics of interest related to the professional practice of engineering.

ENGR 684 Professional Internship
Credits 1 to 10. 1 to 10 Other Hours.
Supervised experience of one academic year in industry where students can learn to apply their textbook-based skills to problems in the real-world environment.
Prerequisites: Admission to the Doctor of Engineering program and graduate classification.

ENGR 685 Directed Studies
Credits 1 to 6. 1 to 6 Other Hours.
Design or research problems executed either individually or as a team.
Prerequisites: Graduate classification; approval of graduate advisor.

ENGR 689 Special Topics in...
Credits 1 to 4. 1 to 4 Lecture Hours.
Advanced topics of current interest in engineering. May be repeated for credit.
Prerequisite: Approval of instructor.

ENGR 698 Writing for Publication
Credits 3. 3 Lecture Hours.
Writing in academic disciplines and settings. Writing for different audiences and purposes. Style; planning and development of academic journal articles; grant proposals; correspondence; oral presentations; technical reports. Permission of departmental/college graduate advisor.
Prerequisite: Advanced standing in master’s/doctoral programs.