

UGPC APPROVAL \_\_\_\_\_  
UFS APPROVAL \_\_\_\_\_  
CATALOG \_\_\_\_\_

**Graduate Programs—PROGRAM CHANGE REQUEST**

DEPARTMENT: OCEAN AND MECHANICAL ENGINEERING

COLLEGE: ENGINEERING AND COMPUTER SCIENCE

PROGRAM NAME:  
PHD IN MECHANICAL ENGINEERING

**EFFECTIVE DATE**  
(PROVIDE TERM/YEAR)

FALL 2017

PLEASE EXPLAIN THE REQUESTED CHANGE(S) AND OFFER RATIONALE BELOW AND/OR ATTACHED:

THIS PROPOSAL IS FOR A REVISION IN THE GENERAL EXAMINATION 1 (PHD QUALIFYING EXAM) FOR THE DOCTOR OF PHILOSOPHY IN MECHANICAL ENGINEERING TO INCLUDE:

- (A) A PASSING SCORE REQUIREMENT FOR EACH PART OF THE EXAM
- (B) MOVING THE SCHEDULE OF THE EXAM TO A LATER DATE IN THE FALL AND SPRING SEMESTER EACH YEAR

THESE CHANGES WILL REQUIRE STUDENTS TO ATTAIN THE 70% PASSING GRADE IN EACH OF THE FOUR PARTS OF THE EXAM RATHER THAN TO ACHIEVE AN OVERALL PASSING GRADE.


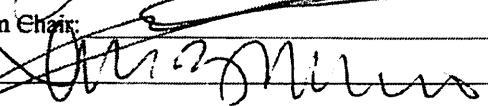
SCHEDULING THE EXAM TO A LATER DATE IN THE SEMESTER, WILL GIVE STUDENTS TIME TO COMPLETE THE CURRICULUM FOR EACH COURSE IN WHICH THEY ARE ENROLLED AND WHICH THEY ALSO PLAN TO TAKE IN QUALIFYING EXAM IN THAT SAME SEMESTER.

THE PROPOSALS HAVE BEEN APPROVED BY THE DEPARTMENT GRADUATE COMMITTEE.

Faculty contact, email and complete phone number:  
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561-297-3896

Consult and list departments that might be affected by the change and attach comments.  
**The Department of Civil, Environmental & Geomatics Engineering (CEGE) have been consulted and have contributed to this Proposal**

Approved by:

Department Chair:   
College Curriculum Chair: \_\_\_\_\_  
College Dean:   
UGPC Chair: \_\_\_\_\_  
Graduate College Dean: \_\_\_\_\_  
UFS President: \_\_\_\_\_  
Provost: \_\_\_\_\_

Date: 1-23-12  
1-23-12  
1/24/2017  
\_\_\_\_\_  
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Email this form and syllabus to [UGPC@fau.edu](mailto:UGPC@fau.edu) one week before the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website prior to the meeting.

**9. General Examination 1:** After the completion of three Mechanical Engineering core courses and two elective courses, the student will be required to take a General Examination 1, or Ph.D. Qualifying Exam. The primary purpose of General Examination 1 is to evaluate the student's ability, not only to demonstrate a thorough knowledge of Mechanical Engineering course material, but to evaluate original thinking. The written examination will be in four parts: One covering the core courses, one covering elective subjects, one covering Mathematics and one is a review and analysis of a research paper. The exam on the three core courses will be three hours in duration and will require three problems to be answered. The electives exam will be a two-hour exam and will require one problem from two elective courses to be answered. The exam on Engineering Mathematics will be a two-hour exam and the student must answer two problems. The research paper exam will be a two-day take home exam requiring the student to answer questions on a specific research paper. A new set of examinations will be prepared and questions and problems from previous examinations are not available to students. It is expected that the examination on the elective courses will focus on the student's area of specialization;

An overall grade of 70 percent on all four parts of written examination is passing. Students who score below 70 percent are given the option of re-taking exams on those parts topic areas in which they scored less than 70 percent before the beginning of the next semester. The student must score 70 percent in each subject that is retaken. Alternatively the student may retake the entire exam when it is next offered. There would only be one opportunity to retake all or part of the exam. General Examination 1 is scheduled immediately after the last day of final examination ~~period~~ in the fall semester and in the spring semester each year;