FLORIDA ATLANTIC UNIVERSITY

| UUPC APPROVAL | |
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| UFS Approval | |
| SCNS SUBMITTAL | |
| CONFIRMED | |
| BANNER POSTED | |
| CATALOG | |

| Undergraduate Programs—NEW COURSE PROPOSAL ¹ | | BANNER POSTED CATALOG | | |
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| DEPARTMENT: OCEAN & MECHANICAL ENGINEERING COLLEGE: ENGINEERING & COMPUTER SCIENCE | | | | |
| RECOMMENDED COURSE IDENTIFICATION: PREFIX EGN COURSE NUMBER 4323 LAB CODE (L or C) | | EFFECTIVE DATE | | |
| (TO OBTAIN A COURSE NUMBER, CONTACT <u>RSHIMAN@FAU.EDU</u>) | | (first term course will be offered) FALL 2015 | | |
| COMPLETE COURSE TITLE: Vibration Synthesis and Analysis | | | | |
| CREDITS: 3 TEXTBOOK INFORMATION: Mechanical Vibrations by Rao, Prentice Hall, 5th edition 2013, or equivalent text at the discretion of the instructor, and/or lecture notes | | | | |
| GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR X PASS/FAIL SATISFACTORY/UNSATISFACTORY | | | | |
| Course Description, no more than three lines: Free and forced vibration of mechanical systems; damping; periodic and transient excitations; two degree of freedom, and continuous systems. | | | | |
| PREREQUISITES W/MINIMUM GRADE*: 1. MAP 3305 Engineering Mathematics I or MAP 2302 Differential Equations 2. EGN 3321 - Dynamics *Default minimum passing grade is D Prerequisites, corequisites and registration controls will be enforced for all course sections. | | | | |
| MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE: PHD IN RELATED ENGINEERING DISCIPLINES | | | | |
| WAC/GORDON RULE COURSE YES NO X | GENERAL EDUCATION REQUIREMENT (MARK X IN FRONT OF SELECTION): Written Communication Society/Human Behavior Global Citizenship Science/Natural World Creative Expression | | | |
| WAC/Gordon Rule criteria must be indicated in syllabus. Guidelines: www.fau.edu/WAC | Must attach the appropriate General Education Course Approval Request: www.fau.edu/deanugstudies/GeneralEdCourseApprovalRequests.php | | | |
| Faculty contact, email and complete phone number: Dr. Edgar An, pan@fau.edu, 561-297-2792 | Please consult and list departments that might be affected by the new course and attach comments. Department of Ocean & Mechanical Engineering | | | |
| Approved by: Department Chair: | Date | | Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: www.fau.edu/academic/registrar/UUPCinfo | |
| College Curriculum Chair: | | | 2. Review Provost Memorandum: | |
| College Dean: | Hour Memo 2012.pdf | | | |
| UUPC Chair: | | | 3. WAC approval (attach if necessary) | |
| Undergraduate Studies Dean: | | 4 | 4. Gen. Ed. approval (attach if necessary) | |
| UFS President:Provost: | | | 5. Consent of affected departments (attach if necessary) | |