

FLORIDA ATLANTIC UNIVERSITY™

Undergraduate Programs—NEW COURSE PROPOSAL¹

UUPC APPROVAL _____
 UFS APPROVAL _____
 SCNS SUBMITTAL _____
 CONFIRMED _____
 BANNER POSTED _____
 CATALOG _____

DEPARTMENT: OCEAN & MECHANICAL ENGINEERING

COLLEGE: ENGINEERING & COMPUTER SCIENCE

RECOMMENDED COURSE IDENTIFICATION:

PREFIX EGN COURSE NUMBER 4620 LAB CODE (L or C) _____

(TO OBTAIN A COURSE NUMBER, CONTACT RSHIMAN@FAU.EDU)

COMPLETE COURSE TITLE: DYNAMIC SYSTEMS

EFFECTIVE DATE

(first term course will be offered)

SPRING 2012

CREDITS: 3

TEXTBOOK INFORMATION:

Dynamic Modeling and Control of Engineering Systems, 3rd edition, J. L. Shearer, Gardner, Kulakowski, Cambridge University Press

GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR X PASS/FAIL _____ SATISFACTORY/UNSATISFACTORY _____

COURSE DESCRIPTION, NO MORE THAN THREE LINES:

This course basic knowledge about dynamic systems, systems stability analysis and basic controller design.

PREREQUISITES W/MINIMUM GRADE*:

1. EGN 3321 - Dynamics or equivalent
2. EEL 2161 C for Engineers (or EML 2538 Computer Applications for ME I, or equivalent)
3. MAP 3305 – Engineering Mathematics I

COREQUISITES*:

REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL)*:

*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

WAC/Gordon Rule criteria must be indicated in syllabus. Guidelines: www.fau.edu/WAC

GENERAL EDUCATION REQUIREMENT (MARK X IN FRONT OF SELECTION):

Written Communication Society/Human Behavior
 Mathematics/Quant. Reas. Global Citizenship
 Science/Natural World Creative Expression

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.

<p>Approved by: <u>Jared Palen</u></p> <p>Department Chair: _____</p> <p>College Curriculum Chair: _____</p> <p>College Dean: _____</p> <p>UUPC Chair: _____</p> <p>Undergraduate Studies Dean: _____</p> <p>UFS President: _____</p> <p>Provost: _____</p>	<p>Date:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>1. Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: www.fau.edu/academic/registrar/UUPCinfo</p> <p>2. Review Provost Memorandum: Definition of a Credit Hour www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf</p> <p>3. WAC approval (attach if necessary)</p> <p>4. Gen. Ed. approval (attach if necessary)</p> <p>5. Consent of affected departments (attach if necessary)</p>
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Email this form and syllabus to mjenning@fau.edu **seven business days before** the University Undergraduate Programs Committee meeting so that materials may be viewed on the UUPC website prior to the meeting.