**FLORIDA ATLANTIC UNIVERSITY**

**Undergraduate Programs—NEW COURSE PROPOSAL**

**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

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**EFFECTIVE DATE**

(first term course will be offered)

**SPRING 2012**

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**CREDITS:** 3  
**TEXTBOOK INFORMATION:**


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**GRADING (SELECT ONLY ONE GRADING OPTION):**

- REGULAR X  
- PASS/Fail ___  
- SATISFACTORY/UNSATISFACTORY ___

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**COURSE DESCRIPTION, NO MORE THAN THREE LINES:**

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

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**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

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**COREQUISITES*:**

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**REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL)*:**

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**DEFAULT MINIMUM PASSING GRADE IS D. PREREQUISITES, COREQUISITES AND REGISTRATION CONTROLS WILL BE ENFORCED FOR ALL COURSE SECTIONS.**

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**MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE: PHD IN RELATED ENGINEERING DISCIPLINES**

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**WAC/GORDON RULE COURSE**

- YES ___  NO X

WAC/Gordon Rule criteria must be indicated in syllabus. Guidelines: [www.fau.edu/WAC](http://www.fau.edu/WAC)

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

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

Must attach the appropriate General Education Course Approval Request: [www.fau.edu/deamugstudies/GeneralEdCourseApprovalRequests.php](http://www.fau.edu/deamugstudies/GeneralEdCourseApprovalRequests.php)

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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.

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FAUnewcourseUG—Revised September 2012
### Approval Form

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<thead>
<tr>
<th>Approved by:</th>
<th>Date:</th>
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<tbody>
<tr>
<td>Department Chair:</td>
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<tr>
<td>College Curriculum Chair:</td>
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<tr>
<td>College Dean:</td>
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<td>UUPC Chair:</td>
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<td>Undergraduate Studies Dean:</td>
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<td>UFS President:</td>
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<td>Provost:</td>
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1. Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: [www.fau.edu/academic/registrar/UUPCinfo](http://www.fau.edu/academic/registrar/UUPCinfo)

2. Review Provost Memorandum:
   - Definition of a Credit Hour

3. WAC approval (attach if necessary)

4. Gen. Ed. approval (attach if necessary)

5. Consent of affected departments (attach if necessary)

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Email this form and syllabus to [mierning@fau.edu](mailto:mierning@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.

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