



## Undergraduate Programs—NEW COURSE PROPOSAL<sup>1</sup>

UUPC APPROVAL \_\_\_\_\_  
 UFS APPROVAL \_\_\_\_\_  
 SCNS SUBMITTAL \_\_\_\_\_  
 CONFIRMED \_\_\_\_\_  
 BANNER POSTED \_\_\_\_\_  
 CATALOG \_\_\_\_\_

DEPARTMENT: N/A

COLLEGE: WILKES HONORS COLLEGE

### RECOMMENDED COURSE IDENTIFICATION:

PREFIX \_\_\_\_\_ MAP \_\_\_\_\_ COURSE NUMBER \_\_\_\_\_ 4303 \_\_\_\_\_ LAB CODE (L or C) \_\_\_\_\_

(TO OBTAIN A COURSE NUMBER, CONTACT [MJENNING@FAU.EDU](mailto:MJENNING@FAU.EDU))

COMPLETE COURSE TITLE: HONORS DIFFERENTIAL EQUATIONS 2

### EFFECTIVE DATE

(first term course will be offered)

\_\_\_\_\_ SPRING 2015 \_\_\_\_\_

CREDITS<sup>2</sup>: 3

TEXTBOOK INFORMATION: Elementary Differential Equations and Boundary Value Problems, 9<sup>th</sup> Ed. (2010) by Boyce & DiPrima

GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR \_\_\_\_\_X\_\_\_\_\_ PASS/FAIL \_\_\_\_\_ SATISFACTORY/UNSATISFACTORY \_\_\_\_\_

COURSE DESCRIPTION, NO MORE THAN THREE LINES: FURTHER TECHNIQUES TO SOLVING ORDINARY DIFFERENTIAL EQUATIONS AS WELL AS APPLYING TECHNIQUES FROM LINEAR ALGEBRA TO SOLVE SYSTEMS OF FIRST-ORDER LINEAR DIFFERENTIAL EQUATIONS. INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS AND THEIR SOLUTIONS, FOCUSING ON THEIR APPLICATIONS TO PHYSICS AND ENGINEERING.

PREREQUISITES W/MINIMUM GRADE\*:

MAP 2302

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: PH.D. IN MATHEMATICS, PHYSICS, OR ENGINEERING

### WAC/GORDON RULE COURSE<sup>3</sup>

YES \_\_\_\_\_ NO \_\_\_\_\_X\_\_\_\_\_

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

### GENERAL EDUCATION REQUIREMENT (MARK X IN FRONT OF SELECTION)<sup>4</sup>

\_\_\_\_\_ 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](http://www.fau.edu/deanugstudies/GeneralEdCourseApprovalRequests.php)

Faculty contact, email and complete phone number:  
 Dr. Terje Hoim  
[thoim@fau.edu](mailto:thoim@fau.edu)  
 561-799-8673

Please consult and list departments that might be affected by the new course and attach comments.<sup>5</sup>

### Approved by:

Department Chair: \_\_\_\_\_

College Curriculum Chair: \_\_\_\_\_

College Dean: \_\_\_\_\_

UUPC Chair: \_\_\_\_\_

Undergraduate Studies Dean: \_\_\_\_\_

UFS President: \_\_\_\_\_

Provost: \_\_\_\_\_

### Date:

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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**  
[www.fau.edu/provost/files/Definition\\_Credit\\_Hour\\_Memo\\_2012.pdf](http://www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf)

3. WAC approval (attach if necessary)

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

5. Consent of affected departments (attach if necessary)