

FLORIDA ATLANTIC UNIVERSITY™

UUPC APPROVAL 9/5/14
 UFS APPROVAL _____
 SCNS SUBMITTAL _____
 CONFIRMED _____
 BANNER POSTED _____
 CATALOG _____

Undergraduate Programs—NEW COURSE PROPOSAL¹

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)
 COMPLETE COURSE TITLE: HONORS DIFFERENTIAL EQUATIONS 2

EFFECTIVE DATE
 (first term course will be offered)
 _____ SPRING 2015 _____

CREDITS²: 3

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

GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR 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 COURSE³
 YES _____ NO _____
 WAC/Gordon Rule criteria must be indicated in syllabus. Guidelines: www.fau.edu/WAC

GENERAL EDUCATION REQUIREMENT (MARK X IN FRONT OF SELECTION)⁴
 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. Terje Hoim
thoim@fau.edu
561-799-8673

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

Approved by:
 Department Chair: _____
 College Curriculum Chair: _____
 College Dean: _____
 UUPC Chair: _____
 Undergraduate Studies Dean: _____
 UFS President: _____
 Provost: _____

Date:
8/25/14
8/23/2014
8/23/2014
9/5/14
9/9/14

1. Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: 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
3. WAC approval (attach if necessary)
4. Gen. Ed. approval (attach if necessary)
5. Consent of affected departments (attach if necessary)