

FLORIDA ATLANTIC UNIVERSITY™

Undergraduate Programs—NEW COURSE PROPOSAL¹

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

DEPARTMENT: N/A COLLEGE: WILKES HONORS COLLEGE

RECOMMENDED COURSE IDENTIFICATION:
 PREFIX MAA COURSE NUMBER 4202 LAB CODE (L or C) _____
 (TO OBTAIN A COURSE NUMBER, CONTACT RSHIMAN@FAU.EDU)
 COMPLETE COURSE TITLE: HONORS MODERN ANALYSIS 2

EFFECTIVE DATE
 (first term course will be offered)

 SPRING 2013 _____

CREDITS: **3**

TEXTBOOK INFORMATION:
 N. L. Carothers, *Real Analysis*, Cambridge University press, 2000

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

COURSE DESCRIPTION, NO MORE THAN THREE LINES: Rigorous development of the key concepts and theorems of integral calculus. Topics include the Riemann integral and its properties, a restatement of the key concepts of real analysis in the context of metric spaces and function spaces, and an introduction to measure theory and the Lebesgue integral.

PREREQUISITES W/MINIMUM GRADE*:
 MAA 4200/C

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:

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:
 Terje Hoim
thoim@fau.edu
 799-8673

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

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

Date:
11/13/2012
11/12/2012
11/13/12

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)