

FLORIDA ATLANTIC UNIVERSITY™

UUPC APPROVAL 2/20/15
 UFS APPROVAL _____
 SCNS SUBMITTAL _____
 CONFIRMED _____
 BANNER POSTED _____
 CATALOG _____

Undergraduate Programs—NEW COURSE PROPOSAL¹

DEPARTMENT: N/A

COLLEGE: WILKES HONORS COLLEGE

RECOMMENDED COURSE IDENTIFICATION:

PREFIX MAD COURSE NUMBER 4301 LAB CODE (L or C)

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

COMPLETE COURSE TITLE: HONORS GRAPH THEORY

EFFECTIVE DATE

(first term course will be offered)

 SPRING 2016

CREDITS²: 3

TEXTBOOK INFORMATION:

Introduction to Graph Theory, 2nd Ed. (2000) by Douglas West

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

COURSE DESCRIPTION, NO MORE THAN THREE LINES:

INTRODUCTION TO THE THEORY AND APPLICATIONS OF GRAPHS INCLUDING BASIC PROPERTIES: COLORATION, ALGEBRAIC AND GEOMETRIC ASPECTS, ENUMERATION, ALGORITHMS, NETWORK FLOWS, EULERIAN AND HAMILTONIAN GRAPHS, TREES, MATCHINGS AND PLANAR GRAPHS.

PREREQUISITES W/MINIMUM GRADE*:

MAD 2104

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 or Computer Science (see attac

WAC/GORDON RULE COURSE³

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)⁴:

- | | |
|--------------------------------------|------------------------------------|
| <u> </u> Written Communication | <u> </u> Society/Human Behavior |
| <u> </u> Mathematics/Quant. Reas. | <u> </u> Global Citizenship |
| <u> </u> Science/Natural World | <u> </u> 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. Meredith Blue
mblue1@fau.edu
 561-799-8342

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

Approved by:

Department Chair: [Signature]
 College Curriculum Chair: [Signature]
 College Dean: Mark Trench
 UUPC Chair: [Signature]
 Undergraduate Studies Dean: [Signature]
 UFS President: _____
 rovo: _____

Date:

2/12/15
2/12/2015
2/19/15
2/20/15
2/20/15

- Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: www.fau.edu/academic/registrar/UUPCinfo
- Review Provost Memorandum: **Definition of a Credit Hour** www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf
- WAC approval (attach if necessary)
- Gen. Ed. approval (attach if necessary)
- Consent of affected departments (attach if necessary)