**Undergraduate Programs—NEW COURSE PROPOSAL\(^1\)**

**DEPARTMENT:** N/A

**COLLEGE:** Wilkes Honors College

**RECOMMENDED COURSE IDENTIFICATION:**
- Prefix: MAD
- Course Number: 4301
- Lab Code (L or C)

**COMPLETE COURSE TITLE:** Graph Theory

**TEXTBOOK INFORMATION:**
- Introduction to Graph Theory, 2nd Ed. (2000) by Douglas West

**CREDITS:** 3

**EFFECTIVE DATE**
- (first term course will be offered)
- **Spring 2016**

**GRADING (SELECT ONLY ONE GRADING OPTION):**
- Regular \(\times\)
- 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):**

---

**WAC/GORDON RULE COURSE\(^3\):**
- Yes \(\times\)
- No

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)\(^4\):**
- Written Communication
- Mathematics/Quant. Reas.
- Science/Natural World
- Society/Human Behavior
- Global Citizenship
- 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. Meredith Blue
- **mbblue1@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:
- College Curriculum Chair:
- College Dean:
- UUPC Chair:
- Undergraduate Studies Dean:
- UFS President:

**DATE:**
- 2/12/15
- 2/19/15
- 2/20/15

---

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](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)