**FLORIDA ATLANTIC UNIVERSITY**

**Undergraduate Programs—NEW COURSE PROPOSAL**

**DEPARTMENT:** MATHEMATICAL SCIENCES  
**COLLEGE:** CHARLES E. SCHMIDT COLLEGE OF SCIENCE

**RECOMMENDED COURSE IDENTIFICATION:**
- **PREFIX:** MAP  
- **COURSE NUMBER:** 4405  
- **LAB CODE (L or C):** 

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

**COMPLETE COURSE TITLE:** RI: INDUSTRIAL PROBLEMS IN APPLIED MATH

**EFFECTIVE DATE**  
(first term course will be offered)

- **Spring 2018**

**CREDITS:** 3  
**TEXTBOOK INFORMATION:** NONE REQUIRED.

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

**COURSE DESCRIPTION, NO MORE THAN THREE LINES:** This research-intensive course will pit students, in small groups, against truly real-world problems provided by industrial partners.

**PREREQUISITES W/MINIMUM GRADE:**
- (MAP 2302 OR 3305) AND (MAS 2103 OR MAC 2313)  
- WITH A GRADE OF C OR BETTER

**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:** PHD IN A MATHEMATICAL SCIENCE

**WAC/GORDON RULE COURSE**

- **YES**  
- **NO:** X

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

Faculty contact, email and complete phone number: Erik Lundberg, elundber@fau.edu, (561) 297-3352

**GENERAL EDUCATION REQUIREMENT (MARK X IN FRONT OF SELECTION):**

- 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)

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:  
UUPC Chair:  
Undergraduate Studies Dean:  
UFS President:  
Provost:  

**Date:** 3-1-17

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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  

3. WAC approval (attach if necessary)

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

5. Consent of affected departments (attach if necessary)