

# FLORIDA ATLANTIC UNIVERSITY™

## Graduate Programs—NEW COURSE PROPOSAL<sup>1</sup>

UGPC APPROVAL \_\_\_\_\_  
 UFS APPROVAL \_\_\_\_\_  
 SCNS SUBMITTAL \_\_\_\_\_  
 CONFIRMED \_\_\_\_\_  
 BANNER POSTED \_\_\_\_\_  
 CATALOG \_\_\_\_\_

DEPARTMENT:  
 MATHEMATICAL SCIENCES

COLLEGE:  
 SCIENCE

**RECOMMENDED COURSE IDENTIFICATION:**

PREFIX \_\_\_\_ MAP \_\_\_\_ COURSE NUMBER \_6941\_ LAB CODE (L or C) \_\_\_\_

(TO OBTAIN A COURSE NUMBER, CONTACT [RSHIMAN@FAU.EDU](mailto:RSHIMAN@FAU.EDU))

COMPLETE COURSE TITLE: INTERNSHIP IN APPLIED MATHEMATICS

**EFFECTIVE DATE**

(first term course will be offered)

FALL 2016

**CREDITS:**

1-6<sup>2</sup>

**TEXTBOOK INFORMATION:**

N/A

GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR \_\_\_\_\_ SATISFACTORY/UNSATISFACTORY  X

**COURSE DESCRIPTION, NO MORE THAN THREE LINES:**

Supervised internships individually assigned to accommodate graduate students' professional development in applied mathematics. May be repeated for a maximum of 6 credits.

**PREREQUISITES\*:**

PERMISSION BY INSTRUCTOR

**COREQUISITES\*:**

NONE

**REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL)\*:**

GRADUATE LEVEL

PERMISSION OF INSTRUCTOR

\* PREREQUISITES, COREQUISITES AND REGISTRATION CONTROLS WILL BE ENFORCED FOR ALL COURSE SECTIONS.

**MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE:**

GRADUATE FACULTY IN THE DEPARTMENT OF MATHEMATICAL SCIENCES

Faculty contact, email and complete phone number:  
 Rainer Steinwandt  
[rsteinwa@fau.edu](mailto:rsteinwa@fau.edu)  
 297-3353

Please consult and list departments that might be affected by the new course and attach comments.<sup>3</sup>  
 N/A

**Approved by:**

Department Chair: *R. Steinwandt*

College Curriculum Chair: *[Signature]*

College Dean: *[Signature]*

UGPC Chair: *Wm J. McDaniel*

Graduate College Dean: *[Signature]*

UFS President: \_\_\_\_\_

Provost: \_\_\_\_\_

**Date:**

9/4/15

11/15/15

11/15/15

12-9-15

12-11-15

1. Syllabus must be attached; see guidelines for requirements: [www.fau.edu/provost/files/course\\_syllabus.2011.pdf](http://www.fau.edu/provost/files/course_syllabus.2011.pdf)

2. Review Provost Memorandum: **Definition of a Credit Hour** [www.fau.edu/provost/files/Definition\\_Credit\\_Hour\\_Memo\\_2012.pdf](http://www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf)

3. Consent from affected departments (attach if necessary)

Email this form and syllabus to [UGPC@fau.edu](mailto:UGPC@fau.edu) one week before the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website prior to the meeting.

## Syllabus

<b>1. COURSE NAME</b>	<b>COURSE NUMBER</b>	<b>CREDIT HOURS</b>
Internship in Applied Mathematics	MAP 6941	1–6

### **2. COURSE PREREQUISITES**

Permission by instructor

### **3. INSTRUCTOR**

Rainer Steinwandt, Office SE 234A

Phone: (561) 297-3353, fax (561) 297-2436

E-mail address: [rsteinwa@fau.edu](mailto:rsteinwa@fau.edu)

Office hours: Monday and Wednesday 9:30am–11:30am

### **4. COURSE DESCRIPTION**

Supervised internships individually assigned to accommodate graduate students' professional development in applied mathematics. May be repeated for a maximum of 6 credits.

### **5. COURSE OBJECTIVES**

By finishing this course successfully, students will be able to apply mathematical techniques and tools in a real-world setting over an extended period of time. Course participants learn how to make use of mathematical tools in an applied context.

### **6. LECTURE SCHEDULE**

N/A

### **7. REQUIRED TEXT**

N/A

### **8. SUPPLEMENTARY/RECOMMENDED READINGS**

N/A

### **9. ASSESSMENT PROCEDURE AND GRADING**

The main achievements and activities in the Internship have to be documented in a written report which has to be made available to the instructor by the date Master's theses have to be received by FAU's Graduate College. For a satisfying grade, graduate-level mathematical techniques must have been used successfully to meet an applied need in the institution facilitating the Internship. To decide if the application need has been met adequately, the instructor may seek feedback from the institution where the Internship has taken place.

### **10. INCOMPLETE GRADES**

A grade of *I* (incomplete) will only be given under certain conditions and in accordance with the academic policies and regulations put forward in FAU's University Catalog. The student has to show exceptional circumstances why requirements cannot be met. A request for an incomplete grade has to be made in writing with supporting documentation, where appropriate.

## **11. MAKEUP TESTS AND EXTRA CREDIT**

If you cannot complete an assignment due to a relevant reason like significant health problems or being involved in a major traffic accident, and you document this, then you can make up the respective assignment. Extra credit work is not possible.

## **12. METHOD OF INSTRUCTION**

The method of instruction will depend on the particular internship. The use of computers and software may be required.

## **13. DISABILITY POLICY STATEMENT**

In compliance with the Americans with Disabilities Act (ADA), students who require special accommodations due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) located in Boca Raton - SU 133 (561-297-3880), in Davie - MOD I (954-236-1222), in Jupiter - SR 117 (561-799-8585), or at the Treasure Coast - CO 128 (772-873-3305), and follow all OSD procedures.

## **14. HONOR CODE POLICY STATEMENT**

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty, including cheating and plagiarism, is considered a serious breach of these ethical standards, because it interferes with the University mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the University community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001 at [http://www.fau.edu/ctl/4.001\\_Code\\_of\\_Academic\\_Integrity.pdf](http://www.fau.edu/ctl/4.001_Code_of_Academic_Integrity.pdf).