FLORIDA ATLANTIC UNIVERSITY

COURSE CHANGE REQUEST
Graduate Programs

Department Mathematical Sciences

College Science

Current Course Prefix and Number MAT 5938	**Current Course Title** Seminar in Mathematics

*Syllabus must be attached for **ANY** changes to current course details. See Guidelines. Please consult and list departments that may be affected by the changes; attach documentation.*

Change title to:

Change prefix

From: To:

Change course number

From: To:

Change credits*

From: 1--4   To: 0--4

Change grading

From: To:

*Review Provost Memorandum

Change description to:

Change prerequisites/minimum grades to:

Change corequisites to:

Change registration controls to:

Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade.

Effective Date (TERM & YEAR) Summer 2018	**Terminate course** List final active term

Faculty Contact/Email/Phone   Rainer Steinwandt /<RSTEINWA@fau.edu> /(561) 297 3353

Approved by		**Date**
Department Chair	_(signature)_	2-21-18
College Curriculum Chair	_(signature)_	3-8-18
College Dean	_(signature)_	3-8-18
UGPC Chair		
UGC Chair		
Graduate College Dean		
UFS President		
Provost		

FAU

CHARLES E. SCHMIDT
COLLEGE OF SCIENCE
Department of Mathematical Sciences
Florida Atlantic University

Dr. Yuan Wang
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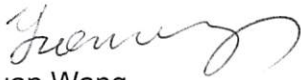fax: 561.297.2436
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Feb. 21, 2017

Graduate College
Florida Atlantic University

Re: MAT5938 Seminar in Mathematics

Dear Committee,

The Department of Mathematical Sciences is proposing to change the credit number of the course from 1-4 to 0-4. This course is a graduate problem-solving seminar offered in one of the summer terms, intended to remove deficiencies and prepare students for the PhD qualifying exams in algebra and analysis. Taking the course with zero (0) credits will be a cost-effective option for students who are already registered for another course in the same semester.

Sincerely,

Yuan Wang
Graduate Director
Department of Mathematical Sciences

Rainer Steinwandt
Chair of Mathematical Sciences
Department of Mathematical Sciences

Syllabus

1. Course designation:

Course title: *Seminar in Mathematics*
Course number: MAT5938

2. Course Prerequisites:

Permission of instructor

3. Course Logistics

a. Summer 2018, Term 3
b. Taught in lecture-discussion style in-person (not online).
c. Course location: PS 113

4. Instructor information

a. Rainer Steinwandt,

b. *Office:* SE 234A

c. *Phone:* (561) 297-3353

d. *Email:* rsteinwa@fau.edu
e. *Office Hours:* TBA

5. TA contact information
TBA

6. Course Description

Topics: This course is a graduate problem-solving seminar, intended to prepare students for the PhD qualifying exams in algebra and analysis. A variety of problems will be assigned each week, and students will be expected to present and discuss solutions in class.

7. Textbook:

None.

8. Supplementary/Recommended Readings

- *Topics in Algebra, 2nd Edition, by I. N. Herstein, John Wiley & Sons, New York, 1975.*
- *Principles of Mathematical Analysis, 3rd Edition, by Walter Rudin, McGraw-Hill, New York, 1976.*

9. Course Objectives

By the end of the course, the student will have solved a variety of problems (at the level of PhD qualifying exams) in both algebra and analysis. A student who understands all steps in the solution of a majority of the assigned problems in an area should feel confident in his or her ability to pass the PhD qualifying exam in that area.

10. Assessment Procedure and Grading

The grade mode for this course is Satisfactory/Unsatisfactory. A variety of problems will be assigned each week, and students will be expected to present and discuss solutions in class. In order to receive the grade of "Satisfactory", a student must attend the class regularly; participate in class discussions, and present, on average, one detailed problem solution per week.

11. Policy on makeup tests, late work, and incomplete:

If you cannot complete an assignment on time due to a relevant and documented reason, you can make up the respective assignment. Extra credit work is not possible.

12. 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.

13. Special course requirements:

N/A

14. Disability policy statement:

In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS)—in Boca Raton, SU 133 (561-297-3880); in Davie, LA 131 (954-236-1222); or in Jupiter, SR 110 (561-799-8585)—and follow all SAS procedures.

SAS website: http://www.fau.edu/sas/

15. Code of Academic Integrity Policy Statement:

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty 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 com- munity, 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/regulations/chapter4/4.001_Code_of_Academic_Integrity.pdf

16. Weekly Schedule

A variety of problems will be assigned each week, and students will be expected to present and discuss solutions in class.

Week 1: Sets of problems commensurable to the qualifying exams for years 2004~2005
Week 2: Sets of problems commensurable to the qualifying exams for years 2006~2007
Week 3: Sets of problems commensurable to the qualifying exams for years 2008~2010
Week 4: Sets of problems commensurable to the qualifying exams for years 2011~2012
Week 5: Sets of problems commensurable to the qualifying exams for years 2013~2014
Week 6: Sets of problems commensurable to the qualifying exams for years 2015~2017