

# Syllabus

Fall 2018

Modern Analysis (MAA 4200) 3 credits

Instructor:	Dr. Yuandan Lin	CRN:	10829
Office:	SE 220	Office Hours:	MW 2:00-3:50pm or by appointment
University of Central Florida			

**Textbook:** John M. Howie, Real Analysis, Springer, 2001.

We will cover materials from Chapters 1 to 5.

Modern Analysis is one of the very few undergraduate mathematical courses with a high level of abstraction. Proofs are at the heart of the course. You will be asked to provide coherent and accurate mathematical proofs of various statements in both the homework and exams. Success will not come easily, despite your successes in previous math courses.

**Website:** <http://math.fau.edu/lin>

**Attendance Policy:** Regular attendance is expected, including active involvement in all class sessions, and professional conduct in class. Students are responsible for arranging to make up work missed because of legitimate class absences, such as illness, family emergencies, military obligations, court-imposed legal obligations, or participation in university-approved activities, such as participating on an athletic or scholastic team, musical and theatrical performances and debate activities. It is the students' responsibility to give

Exams:

Midterm Exam 1	Friday, September 28, 2018	PS 109
Midterm Exam 2	Friday, November 2, 2018	PS 109
Final Exam	Friday, December 7, 2018, 10:30am{1:00pm	PS 109

Course Grading Scale:

A: 90{100%	A-: 87{90%	B+: 84{87%
B: 80{84%	B-: 77{80%	C+: 74{77%
C: 70{74%	C-: 67{70%	D+: 64{67%
D: 60{64%	D-: 57{60%	F: 0{57%

The Grade of I (incomplete) can only be given under the conditions specified in the "Incomplete Grades" section of the FAU Catalog, and supporting documentation will be required.

Tentative Course Outline:

Week 1: Sections 1.4, 1.5, and 1.6 3FBM /VNCFST JOEVDUJPO JOFRVBMJUJFT

Week 2: Sections 2.1, 2.2, and 2.3 2.2, FRVFODFT TVN `` 6^Ò, TMcñT~6^Đ

o ces across three of FAU's campuses | Boca Raton, Davie, and Jupiter | however, disability services are available for students on all campuses. For more information, please visit the SAS website at <http://www.fau.edu/sas/>

**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 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 the link: <https://www.fau.edu/ctl/AcademicIntegrity.php>

**Counseling and Psychological Services (CAPS) Center:** Life as a university student can be challenging physically, mentally and emotionally. Students who nd stress negatively a ecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services | individual counseling, support meetings, and psychiatric services, to name a few | o ered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

**Free Mathematics Tutoring for FAU Students:** The MLC provides the following FREE academic support services for FAU students.

1. Drop-in tutoring in the MLC (GS 211) during all hours of operation:  
Monday { Thursday: 9am { 6pm, Friday: 9am { 4pm, and Sunday: 1pm { 5pm.
2. Small group tutoring by appointment:  
Appointments can be made in TutorTrac. Go to <https://tutoring.fau.edu> and log in with FAU ID and password, then click on \Search for Availabilities". For Center, choose \Math Learning Center". Choose Section (Class) and click \Search". Choose time and then click \Save". If there are no appointments listed for Modern Analysis, please email [mlc@fau.edu](mailto:mlc@fau.edu) and request an appointment.

This syllabus is subject to reasonable changes at the discretion of the instructor.