

Syllabus
MTH 4424 - Real Analysis I
Fall 2018

Class Time: M, W, F 9:00am - 9:50am
Place: MSCX 226 (McCall Hall 226)
Instructor: Pat Rossi
Office: MSCX 227C (227C McCall Hall); (334)670-3588; prossi@troy.edu
Office Hours: MWF 10:00 - 11:50
T 9:00 - 12:50
Or By Appointment

Text: There is no required text. All information will come from my lectures and from my website:

<http://www.pat-rossi.com>

1. On the left hand side, click *Academic Links for Troy University Students*
2. Under "Course Links" click **MTH 4424**

Calculation of Final Average

Test Average	65% (All Tests Weighted Equally)
Homework	10%
Final Exam	25%

Assignment of Final Grade

Final Average	Grade
90-100	A
80-89	B
70-79	C
60-69	D
0-59	E

NOTE: Final Grades Cannot be Given Out Over The Phone.

Tests: Tests will be on Fridays (but not every Friday), and will cover material introduced in class up to and including the Monday before the test. All tests will be announced in class at least one week in advance.

Final Exam: Our Final Exam will be on Friday, Dec 7, from 11:00 am - 1:00 pm. Students will not be allowed to take the Final Exam early. Exceptions WILL NOT be made for those who have made travel arrangements (e.g. purchased an airplane ticket) for a date on, or before the Final Exam.

Course Description: Review of Proofs, Functions, Real Numbers, Countability/Uncountability, epsilon-delta proofs. Continuity, Sequences, Classic Theorems (Bolzano-Weierstrass, Heine-Borel, etc.) Differentiation, Riemann Integration. *Prerequisite: MTH 3318.*

Attendance Policy:

More than five (5) unexcused absences (other than University Excused Absences) will result in a grade of FA (failure due to excessive absences.)

Homework

Some homework assignments will be collected and graded. All assigned homework is fair game for grading. I will choose, at random, the “exercises” that will be graded.

Makeup Policy:

There will be no make-up tests given during the semester. Make-up tests will be given on Wednesday, Dec. 5 at 10 am **for those students who missed a test** during the course. **No student will be allowed to make up more than one missed test.** Notice that these make-up tests are only given to students who **missed a test** (for whatever reason) during the course. (This implies that you may choose to miss a test if you feel that you are not ready. Don't do this indiscriminately - You may need to miss a test later on in the course, due to extreme illness, etc. Nevertheless, the option remains. One catch - once you enter the room to take an exam, you must take the exam. You will not be allowed to enter the room, look at the exam, and then decide whether or not you want to take the exam.

Incomplete Policy:

A grade of “I” (incomplete) may be given in the case of illness or emergency situations occurring towards the end of the semester, which make it impossible for the student to complete all course work by the end of the semester in such a way that the student’s performance accurately reflects his or her mastery of the course. Such grades are given very sparingly, and only in a case of genuine hardship. Time limits for removing an incomplete can be found in the Undergraduate Bulletin. To receive a grade of “Incomplete,” a grade of “Incomplete” must be requested by the student and approved by the instructor. (i.e. The student must initiate the process.) See the undergraduate catalog for complete information.

AMERICANS WITH DISABILITIES ACT:

Troy University supports Section 504 of the Rehabilitation Act of 1973 and the Americans With Disabilities Act of 1990, which insure that postsecondary students with disabilities have equal access to all academic programs; physical access to all buildings, facilities and events; and are not discriminated against on the basis of disability. Eligible students, with appropriate documentation, will be provided equal opportunity to demonstrate their academic skills and potential through the provision of academic adaptations and reasonable accommodations. Further information, including appropriate contact information, can be found at the link for Troy University’s Office of Human Resources at:

<http://www.troy.edu/humanresources/ADAPolicy2003.htm>

Questions on Grading:

The instructor will entertain questions regarding grading of tests and assignments in his office, during office hours only. No questions regarding grading will be addressed during class.

Academic Honesty

Academic misconduct shall be handled according to the guidelines listed in the *Oracle*. Regarding homework assignments that are to be handed in and graded, you are strongly encouraged to do your own work. Those who submit the work of another student will be dealt with according to the Academic Honesty guidelines listed in the *Oracle*. If you are having trouble doing the homework, come see me. I will not tell you how to do the homework, but I will give you hints that should enable you to do it.

Other Matters: Behavior such as wearing headphones in class, sleeping in class, exiting class during a lecture, talking to classmates during the lecture, reading a newspaper during class time, reading a book other than the assigned text for the course during class time, or doing work not assigned in this class during class time will not be tolerated. (If you are sick, or need to use the restroom, raise your hand and ask to be excused.) Also, I do not “grade” students’ tests immediately after the test is turned in – please don’t ask me to grade yours. Also, I don’t show the solutions to problems on a test to students immediately after they turn in their test – please don’t ask me. The solutions are posted on my website within a reasonable amount of time after the test is given, so there is no need for me to work the problems out at the request of each person who asks.

Cell Phones and Other Electronic Devices

Use of any electronic device (cell phone, tablet, laptop, etc.) by students in the instructional environment is prohibited unless explicitly approved on a case-by-case basis by the instructor of record or by the Office of Disability Services in collaboration with the instructor. Cell phones and other communication devices may be used for emergencies, however, but sending or receiving non-emergency messages during a class meeting is forbidden by the University. Use of a communication device to violate the Troy University “Standards of Conduct” will result in appropriate disciplinary action (See pp. 42-52 of the *Oracle*.)

In order to receive emergency messages from the University or family members, devices must be in a vibration, or other unobtrusive mode. Students receiving calls that they believe to be emergency calls must answer quietly without disturbing the teaching environment. If the call is an emergency, they must move unobtrusively and quietly from the instructional area and notify the instructor as soon as reasonably possible. Students who are expecting an emergency call should inform the instructor before the start of the instructional period.

University Firearms Policy

Regardless and in spite of recent changes in Alabama law related to the matter, it remains the policy of Troy University that no person other than authorized law enforcement officers shall be permitted to bring any firearm onto any campus, teaching, or service support property; owned or leased by the University, no matter whether they hold a permit to do so, or not. It has been determined that it is the University’s prerogative to establish its policy related to this matter and therefore the current University policy on firearms remains in effect.

Letters of Recommendation: I will gladly write letters of recommendation for students who receive an “A” in the course, who have reasonably good attendance, who do not cause discipline problems, and who do not text/use cell phones, etc. in my class; provided that the letters are for graduate/professional school and/or employment in a field related to your academic major. Letters of recommendation for employment must be for positions that will be filled in the near future. (e.g., don’t ask me to write a letter of recommendation for a teaching position, when your date of graduation is over a year away.) Such letters are *confidential*. Also, if you want me to write a letter of recommendation, you must ask me *personally*. (i.e., do not put a note in my mailbox asking me for a letter of recommendation.) Oh – one more thing – the better I know you, the more I will be able to say about you in my letters of recommendation. *Therefore, it is to your advantage to come and see me, and ask for help during office hours.* This is how I get to know my students. Remember – I do not write letters of recommendation for students who have texted in my class. If I see you texting, etc. in my class, I put your name on my “Text List” in my office. When someone asks me for a letter of recommendation, I check my list. If your name is on my “Text List,” I will not write a letter in your behalf. SO DON’T TEXT IN MY CLASS!!!

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Important Dates (Which Are Not Listed Elsewhere in the Syllabus)

Aug 20	Last Day to ADD a Course
Aug 20	Last Day to withdraw from the university without financial penalty (cannot be done on <i>Student Planning</i>)
Aug 20	Last Day to Drop a Course without financial penalty
Sept 3	Holiday (Labor Day) – no class
Oct 8	Last Day to Remove an Incomplete from Previous Term
Oct 22	Last Day to Drop a Course (may not be done on <i>Student Planning</i>)
Oct 22	Last Day to Withdraw (may not be done on <i>Student Planning</i>)
Nov 12	Holiday (Veterans’ Day) – no class
Nov 16	Last Day to file <i>Intent to Graduate</i> for Spring 2017 Semester
Nov 19-23	Fall Break/Holidays - Thanksgiving
Dec 4	Last day of classes
Dec 5	Dead Day

This syllabus represents a tentative plan for the instruction in this course. The instructor reserves the right to amend this syllabus if, in his opinion, such action will enhance and/or optimize learning. Any changes in this syllabus will be announced in class and/or on the instructor's website. This syllabus is a best possible assessment of the course aspirations, assignments and requirements at the time it was developed for this semester.