

Syllabus MTH 4422/5522 - Numerical Analysis

Fall 2017

Instructor: Pat Rossi
Office: 227C MSCX (334)670-3588 (e-mail: prossi@troy.edu)
Office Hours: M 11:00 - 11:50; 2:00 - 3:00
T 10:00 - 11:50; 1:00 - 3:00
W 11:00 - 11:50; 2:00 - 4:00
F 11:00 - 11:50
Or By Appointment

Text: None.

Class Time: MWF 1 pm – 2:00 pm

Pre or Co-requisites: MTH 2220, MTH 2227, MTH 3331

Calculation of Final Average

Midterm Exam	30%
Programming Assignments	40%
Final Exam	30%

Assignment of Final Grade

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

NOTE: Final Grades Cannot be Given Out Over The Phone

Attendance and Homework Policy:

More than five (5) unexcused absences will result in a grade of FA (Failure due to excessive absences).

Tests and Final Exam

Our **Midterm Exam** will be Friday, October 6, from 1pm – 2:00 am

Our **Final Exam** will be on Friday, December 8 from 5 pm – 7 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.

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.

Academic Honesty

Academic misconduct shall be handled according to the guidelines listed in the *Oracle*.

Course Description: Finite Differences, Interpolation, Numerical integration and Differentiation, Solutions of Equations of one Variable, Linear Systems, and Numerical Solutions of Ordinary Differential Equations.

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>

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.)

Cell Phones and Other Electronic Devices

Use of any electronic device 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. Cellular phones, pagers, and other communication devices may be used in emergencies, however, but sending or receiving non-emergency messages is forbidden by the University. Particularly, use of a communication device to violate the Troy University “Standards of Conduct” will result in appropriate disciplinary action (See the *Oracle*.)

In order to receive emergency messages from the University or family members, the call receipt indicator on devices must be in the vibration mode or other unobtrusive mode of indication. 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.

Letters of Recommendation: I will gladly write letters of recommendation for students who receive a “B” or higher in the course, who have reasonably good attendance, and who do not cause discipline problems; 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.

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

Aug 21	Last Day to ADD a Course
Aug 21	Last Day to withdraw from the university without financial penalty (cannot be done on <i>Student Planning</i>)
Aug 21	Last Day to Drop a Course without financial penalty
Sept 4	Holiday (Labor Day) – no class
Oct 9	Last Day to Remove an Incomplete from Previous Term
Oct 17	Last Day to Drop a Course (may not be done on <i>Student Planning</i>)
Oct 17	Last Day to Withdraw (may not be done on <i>Student Planning</i>)
Nov 3	Last Day to file <i>Intent to Graduate</i> for Spring 2017 Semester
Nov 10	Holiday (Veterans’ Day) – no class
Nov 20-24	Fall Break/Holidays - Thanksgiving
Dec 5	Last day of classes
Dec 6	Dead Day

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.

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 was a best possible assessment of the course aspirations, assignments and requirements at the time it was developed for this semester.