

Math 414: Introduction to Ordinary Differential Equations

Spring 2015

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Office hours or by appointment.

Textbook: Elementary Differential Equations, 10th edition, William E. Boyce and Richard C. DiPrima.

Blackboard: This course will be using blackboard, to log in go to <https://blackboard.syr.edu>. Use your net id and password. Check this often, material on it will be continually updated.

Course Description: We will cover parts of Chapters 1-3, 6, 7, 9; including analytic and qualitative aspects of first-order differential equations (linear and nonlinear), second-order linear equations, Laplace transforms, and systems of first order linear equations.

Grading Scale: (93-100) A, (90-92) A-, (87-89) B+, (83-86) B, (80-83) B-
(77-79) C+, (73-76) C, (70-73) C-, (60-69) D, (0-59) F

Grade Components:

Quizzes	15%
Homework	10 %
Exam 1	25%
Exam 2	25%
Final Exam	25%

Tentative Dates

Weekly
Weekly

Your Final Exam is on _____ **Time:** _____

Quizzes: There will be weekly quizzes. There will be no make-up quizzes, but at least one quiz score will be dropped. All excused absences for medical or family emergencies must be documented. Travel plans are not a valid excuse for an absence, so plan accordingly.

Homework: The key to success in this course is to master the homework. Homework from the textbook will be assigned at each class and collected weekly. Late homework will not be accepted. A portion of the homework problems will be graded for accuracy. You are encouraged to discuss the homework problems with your classmates and to work together, but the work you submit must be your own. You will also be assigned problems to complete on WebWork. <http://webwork.syr.edu/>

Exams: See above for exam dates. There will be no makeup exams, except in the case of documented emergency/illness/religious holiday in which the final exam grade would replace the missed exam.

Attendance: You are expected to attend and participate in class. If you miss a class, you are responsible for obtaining notes for that class from a student who attended. It is also your responsibility to find out about any announcements concerning homework, quizzes, or exams made during the class.

Academic Integrity: The Syracuse University Academic Integrity Policy holds students accountable for the integrity of the work they submit. Students should be familiar with the Policy and know that it is their responsibility to learn about instructor and general academic expectations with regard to proper citation of sources in written work. The policy also governs the integrity of work submitted in exams and assignments as well as the veracity of signatures on attendance sheets and other verifications of participation in class activities. Serious sanctions can result from academic dishonesty of any sort. For more information and the complete policy, see <http://academicintegrity.syr.edu>.

Complete academic honesty is expected of all students. I encourage you to work together on homework and discuss problems and their solutions, but you must write up your solutions individually. What you write must reflect your own understanding of the problems. Copying a homework solution, in part or in full, is considered a violation of academic integrity. If you have any questions about the differences between working together and copying or how to document sources, please see me.

Students with Disabilities: Students who may need academic accommodations due to a disability are encouraged to discuss their needs with me at the beginning of the semester. In order to obtain authorized accommodations, students should be registered with the Office of Disability Services (ODS), 804 University Avenue, Room 309, 315-443-4498, and have an updated accommodation letter for the instructor. Accommodations and related support services such as exam administration are not provided retroactively and must be requested in advance. For more information about services and policy, see <http://disabilityservices.syr.edu>.

Faith Tradition Observance: SU's religious observances policy can be found at <http://supolicies.syr.edu/empben/religiousobservance.htm>. Under the policy, students are provided an opportunity to make up any examination, study, or work requirement that may be missed due to a religious observance provided they notify their instructors before the end of the second week of classes. There is an online notification process available on MySlice.

Calculators: You are allowed to use graphing calculators, such as TI-84 or TI-83. Students who already own and know how to use another equivalent calculator (e.g. TI-85 or TI-86) are free to use it. A calculator with symbolic calculus capability (such as the TI-89 or TI-92) is not allowed for exams and quizzes. It will be your responsibility to learn how to use your specific calculator.