

MAP 2302 (0003) ORDINARY DIFFERENTIAL EQUATIONS I
12:00 PM-1:20 PM TR, MSB 407, FALL 2015

INSTRUCTOR: Dr. Zhe Liu

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Office Hours: M 5:00 PM- 6:00 PM, W 12:00 PM-1:00 PM, or by appointment

COURSE WEBSITE: <http://math.cos.ucf.edu/~zheliu/teachingmap2302fall2015/>

CREDIT HOURS: 3

PRE-REQUISITES: Grade of "C" (2.0) or better in MAC 2313, or C.I.

TEXTBOOK: *Differential Equations* 10th Edition, by Boyce and DiPrima. ISBN-13: 978-1-118-79118-9.

COURSE DESCRIPTION: Methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications.

GRADING POLICY:

- Homework: Homework will be assigned weekly. Homework will not be graded. Extra credits (2 pts) will be given for each turned in and completed homework.
- **Quizzes** (10 pts \times (7-1) = **60** pts): Weekly quizzes will be given in class on Tuesdays (see course calendar). Each quiz consists of problems selected from homework of the previous week. The lowest quiz score will be dropped. There will be NO make-up quizzes.
- **Exams** (80 pts \times 3 = **240** pts): There will be three in-class exams (see course calendar). All exams will count toward final course grade. There will be NO make-up exams. If you miss one exam due to an excused absence (to be determined by the instructor, documentation may be requested), your score on the final exam can be converted (80 \times percentage made on final) to count as an exam score. You may only "make up" one missed exam in this manner.
- **Final Exam** (100 pts): The final exam is cumulative; you will be tested on everything we have covered throughout the semester.
- The TOTAL possible points of this course will be **400**. Course grades will be awarded according to the following grading scale.

A	[90%, 100%]		
B+	[87%, 90%)	B	[80%, 87%)
C+	[77%, 80%)	C	[70%, 77%)
D+	[67%, 70%)	D	[60%, 67%)
F	[0%, 60%)		

CALCULATORS: You are allowed to use a basic scientific calculator (no programming, graphing, or symbolic manipulation capabilities). We recommend the "TI-30X IIS" or "TI-30XIIB" made by Texas Instruments. If you choose to use your own calculator, please ask for approval. If you fail to bring your calculator for a test, then you must take the test without one. Sharing of calculators will not be allowed. Use of technology other than an approved calculator is not allowed.

ACADEMIC INTEGRITY: UCF faculty members have a responsibility for your education and the value of a UCF degree, and so seek to prevent unethical behavior and when necessary respond to infringements of academic integrity. Penalties can include a failing grade in an assignment or in the course, suspension or expulsion from the university, and/or a “Z Designation” on a student’s official transcript indicating academic dishonesty, where the final grade for this course will be preceded by the letter Z. For more information about the Z Designation, see <http://z.ucf.edu>. For more information about UCF’s Rules of Conduct, see <http://www.osc.sdes.ucf.edu>.

RELIGIOUS POLICY: It is the practice of the University of Central Florida to reasonably accommodate the religious observances, practices, and beliefs of individuals in regard to admissions, class attendance, and the scheduling of examinations and work assignments. A student who desires to observe a religious holy day of his or her religious faith must notify his/her instructor in writing at the beginning of the term (prior to the end of the add/drop period) to be excused from classes to observe the religious holy day. (Please note that documentation may be requested.)

FINANCIAL AID REQUIREMENT: All faculty are required to document students’ academic activity at the beginning of each course. This academic activity must be completed by the end of the first week of classes or as soon as possible after adding the course. Failure to do so may result in a delay in the disbursement of your financial aid. Instructions on how to complete this academic activity will be given in class.

DISABILITY ACCOMMODATIONS: The University of Central Florida is committed to providing reasonable accommodations for all persons with disabilities. This syllabus is available in alternate formats upon request. Students who need accommodations must be registered with Student Disability Services, Ferrell Commons Room 185, phone (407) 823-2371, TTY/TDD only phone (407) 823-2116, before requesting accommodations from the professor.