

**MAP 2302-Diff. Eqs. - U01B - Summer B 2018 MoWeFri 9:30-11:45 SACS 302**

**Instructor:** Tedi Draghici                      **Website:** <http://faculty.fiu.edu/~draghici>  
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**Office Hours (in DM 432B):** TuTh 10am-12noon or by appointment.

**Textbook:** **Introduction to Ordinary Differential equations, by Shepley L. Ross, 4<sup>th</sup> edn.** The student solution manual is recommended, but not required.

**Topics:** Chapters 1-6 and 9 (but Chs. 1, 3 and 5 only lightly).  
Check the Daily topics and assignments link regularly for info and updates.

**Pre-requisite:** Calculus 2 with a grade of C or better. You'll need to differentiate and integrate functions (including trig, exp and ln) and to work with power series. For preparation for the course, **before the start of the semester**, please review according to the following notes of Prof. Hudson: <http://faculty.fiu.edu/~hudsons/de/preDE.pdf>

**There will be a quiz testing your background on the first day of class.**

**Method of Evaluation:** Your grade in the course is based **solely** on your overall percentage - not on improvement, effort, etc. Incompletes will not be given, except in special cases such as last-minute medical emergencies. The following items have the corresponding weight in your grade.

1. Quizzes/homework/worksheets 24%;
2. Two midterm exams (24% each)  
Exam 1 - Friday, June 29;  
Exam 2 - Friday, July 13;
3. **FINAL EXAM (28%) - comprehensive exam - Friday, July 27.**

**Grade-scale:** The following percentage guarantees the associated grade:  
90%-100% A, 88%-90% A-, 85%-88% B+, 80%-85% B, 78%-80% B-, 73%-78% C+, 65%-73% C, 50%-65% D, 0%-50% F.

**NO MAKEUPS WILL BE GIVEN.** If you have a **documented** excuse for missing classwork, your final can count towards that missed work.

**Drop deadlines -- Last day to drop/withdraw with tuition refund: June 25;**  
**-- Last day to drop with a DR grade (but no refund): July 16.**

**Expectations:** You are expected to spend a minimum of 12 hours a week outside of class, on homework and reading. DO NOT fall behind! The lectures are intended to give you a light introduction to the material (with attention to the rough spots). The reading and HW may go a bit beyond the lectures. You are expected to come to me or your LA as needed, with questions. The exams will consist mostly of problems similar to the previous homework assignments. There may also be 1-2 conceptual questions, such as True-False, a textbook proof and/or a definition on each exam. Occasionally, you may be expected to write a simple proof, with clear sentences and good explanations. This should not be too hard, if you have already taken moderately rigorous Calculus courses.

**Learning Assistant (LA): Fabio Isaza**

**E-mail:** [fisaz002@fiu.edu](mailto:fisaz002@fiu.edu)

Fabio will help during group work in class and will offer review sessions before exams.

**Other help and Free Tutoring:** <https://mathstat.fiu.edu/useful-information/math-resources/>

**Calculator:** You may use one for your homework, but generally won't need one, and **you will not be allowed one (of any kind)** during exams.

**The instructor reserves the right to make changes to this syllabus. Eventual changes will be announced in class and you are responsible to be aware of them.**

**Other Rules:**

Any beepers/cell phones, etc must be turned off during class. If you cannot arrive and leave on time, see me and explain. If you find a grading error, write a note to me at the top of your paper and return it promptly.

I will try to identify any cheating that may occur in the course. To avoid unfounded suspicion, please show all your work, turn in any scratch paper you use in exams, and avoid sitting next to your study partners during exams.

**ACADEMIC MISCONDUCT** includes (but is not limited to) giving or receiving assistance on a test, quiz, or homework assignment for which such assistance is not permitted, falsifying a document to obtain an excusal from a test, and using unauthorized notes on a test or quiz. A more complete definition of Academic Misconduct is given on p. 120-121 of the Student Handbook. Penalties for Academic Misconduct range from an F in the course to expulsion from the university.

**EXTRA TUITION CHARGES FOR REPEATED COURSES AND EXCESS HOURS:** The Florida Legislature has mandated a tuition surcharge for the third time a student either takes or attempts a college credit course. For more information on this charge, including possible appeal of this surcharge, see <http://www.fiu.edu/orgs/register/surcharge.htm>.

This charge should serve as additional motivation for you not to have to retake this course. In other words, **DO THE HOMEWORK!!!!**