

Math 307 – Differential equations Autumn 2016 – Sections L

Instructor: Dr. Fanny Dos Reis

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Web Page: <http://www.such-that.com>

Class Forum: <https://piazza.com/washington/fall2016/math307/home>

Class Schedule: MWF 10:30-11:20am

Meeting Room: LOW 205

Office Hours: MF noon-1:00 pm

Note: Check my website regularly for class announcements, important information, class notes and daily schedule.

Textbooks: W. E. Boyce, R. C. DiPrima, *Introduction to Differential Equations*, tenth edition.

Course Description: This course is an introduction to differential equations. It will emphasize different techniques for solving first order differential equations, second order differential equations including Laplace transforms, numerical methods.

Prerequisites: Math 125; Math 126 is strongly recommended.

Learning outcomes: At the end of the semester, the students will be able to recognize different types of differential equations that appear in many fields (Mathematics, Engineering, Physics, Economics,...) and find their solutions by using appropriate techniques developed in class.

Quizzes: Regularly throughout the quarter, the student will be given in-class assignments during lecture which must be completed before leaving class. Most of the time, the assignments will be similar to suggested homework problems and will be given during the last 10 minutes of the lecture.

Homework Assignments: Homework exercises will be assigned on my webpage as the quarter progresses. Students will turn in their work for grading. No late homework will be accepted.

Exams: There will be two in-class exams and a comprehensive final exam. The first 2 exams will be administered in class during the lectures.

The **tentative** exam dates are

- Exam I: Wednesday November 2nd, 10:30-11:20 am, LOW 205.
- Exam II: Friday December 2nd , 10:30-11:20 am, LOW 205
- **Final exam:** Monday December 12th, 8:30-10:20 am LOW 205

Grading Policy:

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|-------------|----------|
| 2 exams: | 25% each |
| Quizzes: | 10% |
| Homework: | 10% |
| Final exam: | 30% |

Academic honesty: I further refer the student Conduct code

<http://www.washington.edu/students/handbook/conduct.html>

Make-Up Policy: If you miss an assignment due to unavoidable, compelling well-documented reason, please, contact me immediately. Chances are that I will weight the remaining assignment differently to make up your grade.

Copyright Policies: All printed materials disseminated in class or on the web are protected by Copyright laws. One Xerox copy (or download from the web) is allowed for personal use. Multiple copies, sale, or upload on a different website of any of these materials is strictly prohibited.

Sources of Help and Preparing for Exams:

1. **Office Hours:** I am here to help. I hope you will visit during my office hours. It gives us the chance to go over the questions you may have about the material, the lectures, the assignments, or to discuss study strategy or any class related subject.
2. **Class Notes:** An outline of notes will be posted before each class day. It will be beneficial to print these out and bring them with you to class. You should review your notes after class, and make sure you get any questions you have about the material answered before the next class day.
3. **Practice:** In order to succeed in this class, it is essential that you work the suggested homework problems, <http://such-that.com/TAMU/Suggested-homework-307.php> re-work the problems done in lecture and in homework. They are the material for quizzes and exams.
4. **Clue:** The Center for Learning and Undergraduate enrichment <http://depts.washington.edu/aspw/clue/home/> provides helps for this class.