Math 2910.701, Honors Differential Equations

Course Information

Section Instructor: Dr. Lisa Mantini

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- ▷ FAX number: 405–744–8275.
- ▷ Office hours: M 2:30–3:20 PM, W 1:30–2:20 PM, R 1:00–1:50 PM, or by appointment.

Class times: Tuesdays, 10:30–11:20 AM in PS 121 (maybe move?)

Course Objectives: The objective of this course is to provide an extra Honors dimension to your study of Differential Equations. We will do this through a few additional activities in theory, in problem solving, and in the applications of Differential Equations in modeling and prediction for phenomena in various fields.

Prerequisites: The prerequisite for this course is a solid knowledge of techniques of integration from Calculus 2 and participation in the Honors College. I would recommend that your GPA in Math courses also be at an Honors level as well.

Text: I will provide additional materials as needed in addition to your current textbook for Math 2233.

Course Requirements: Students enrolled in this course will complete the following for a point total out of 150 points:

- ▷ 3 Projects, worth 25 points each, for a total of 75 points;
- ▷ 8 Assignments, quizzes, or in-class activities worth 10 points each.

Grading: Preliminary cutoffs for letter grades are as follows. Note that a grade of A or B is necessary in order to earn Honors credit for this course.

- 135 points (90%) guarantees an A in the course;
- 120 points (80%) guarantees a B;
- 105 points (70%) guarantees a C;
- 90 points (60%) guarantees a D.

Projects: The due dates for projects will be determined after we determine the dates for your exams in Differential Equations, with an attempt to avoid duplicating exam dates as project due dates. The projects are short written papers (about 4 pages each) which will involve solving a problem in an area of application using a differential equation.

Attendance Policy: Absences should be indicated to me in advance or as early as possible. An unexcused absence after the first will result in a 5 point deduction from your point total, so that every three unexcused absences after the first will result in a lowering of your grade by one letter grade.