

Math 0290: Differential Equations Summer 2017

TuTh 6-7:45pm

Alexander J. Allen hall 103

Instructor: Youngmin Park
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MAC Hours
(O'Hara Student Center 215): Mondays 3-4, Thursdays 4-5

Course Description This course presents an introduction to the theory of differential equations from an applied perspective. Topics include solution methods to linear and nonlinear ordinary differential equations (ODEs), and qualitative studies of systems of ODEs.

Prerequisite Math 0230 or equivalent, with a grade of C or better.

Textbook (Required) Polking, Boggess, Arnold *Differential Equations with Boundary Value Problems*, second edition. ISBN 9780131862364.

Grading, homework, and midterms We will have weekly quizzes and two midterms. All quiz, midterm, and final grades will be posted to courseweb. Notify me as early as possible if you will miss a quiz or midterm. If you notify me after the quiz or exam date **you will not be allowed to make up quizzes or exams without a valid medical reason**. Since unexpected events happen, I will drop 3 of your lowest quiz scores.

Your course grade is structured as follows:

- Two midterm exams: 30% (15% each)
- Final exam: 40%
- Quizzes: 30%

See the class schedule for the dates of the quizzes and exams. There will be no written homework assignments.

Excellent performance on midterm 1 and/or midterm 2 will grant exemption from solving the corresponding problems on the final. For example, receiving a high score on midterm 1 will allow skipping problems related to quizzes 1-4 with no penalty (problems and corresponding sections will be clearly labeled). Cutoffs for exemption will be determined after grading each midterm.

Each midterm and quiz is closed-book, closed-notes. However, I will provide a formula sheet for you to use freely on the quizzes and exams. You will not be expected to memorize formulas.

Disability If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Disability Resources and Services, 140 William Pitt Union (412) 648-7890 as early as possible in the term. See <http://www.studentaffairs.pitt.edu/drsabout>.

Academic Integrity Cheating/plagiarism will not be tolerated. Students suspected of violating the University of Pittsburgh Policy on Academic Integrity will incur a minimum sanction of a zero score for the quiz, exam or paper in question. Additional sanctions may be imposed, depending on the severity of the infraction.