

## Math 0290: Differential Equations Summer 2016

TuTh 6-7:45pm

Alexander J. Allen hall 103

Instructor: Youngmin Park  
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MAC Hours  
(O'Hara Student Center 215): Tu 5-6pm, Fr 12-1pm

**Course Description** This course presents an introduction to the theory of differential equations from an applied perspective. Topics include linear and nonlinear ordinary differential equations, Laplace transform, and introduction to partial differential equations.

**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** Homework problems will be assigned and due each week, and there will be two midterms. All homework, midterm, and final grades will be posted to courseweb. **I do not accept late assignments without a valid medical reason.**

Your course grade will be determined as follows:

- Two midterm exams: 40% (20% each)
- Final exam: 40%
- Written assignments/homework assignments: 20%

See the class schedule for the dates of the two midterm exams and the final. There will be no quizzes.

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 assignments 1-3 with no penalty (problems and corresponding sections/assignments will be clearly labeled). Cutoffs for exemption will be determined after grading each midterm.

For each midterm, a one-sided 8.5x11" sheet of hand-written notes is allowed. For the final, one two-sided 8.5x11" sheet (or two one-sided sheets) of hand-written notes is allowed.

**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. On homework, you may work with other students or use library resources, but each student must write up his or her solutions independently. Copying solutions from other students will be considered cheating, and handled accordingly.