

Professor Peter Klosterman

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Office Hours: Mon – Fri 1:00 – 2:00 PM (*if you have a class at this time, feel free to email me and we'll figure something out*)

Text: No textbook required. Your course notes will be sufficient for this class.

Course Topics: Use of differential equations to model physical situations, particularly population growth in various settings, freefalling objects, mixtures of different liquids, and oscillating springs in various settings. The modeling process (Common Core Math Practice #4) as well as contextualizing and decontextualizing (Common Core Math Practice #2) will be emphasized throughout the course.

Exams: Midterm exam is October 20th in class. Final exam is Tuesday, December 5th, noon – 2:00 PM. Graphing calculators are allowed on exams. Your final exam score can be used to replace your midterm score (if your final exam score is better).

Makeup Exams will be given only in extreme cases for legitimate *documentable* reasons. If, for some legitimate reasons, you cannot make it to one of the exams, please contact the instructor *before* the exam.

Grading:

Homework (9 @ 10 pts)	90 pts
Participation	10 pts
Midterm exam	100 pts
<u>Final exam</u>	<u>150 pts</u>
Total Possible:	350 pts

The following grading scale will be used:

A	92-100%	C	72-78
A-	90-92	C-	70-72
B+	88-90	D+	68-70
B	82-88	D	60-68
B-	80-82	F	0-60
C+	78-80		

Homework will be posted on the class Canvas site and collected the following Friday. You are responsible for doing your own homework, but it is appropriate and often advantageous to work with a study partner or a small study group. Show enough work so that your reasoning is obvious. **No late homework.**

Participation points come from attendance, being on-time, and being engaged during class doing the in-class problems.

<http://canvas.cwu.edu> (the CWU Canvas website) will have course information, homework assignments, exam info, and other miscellaneous information. Look under the “files” tab.

<http://my.math.wsu.edu> provides access to an online version of the *Maple* software package, which you may use from time to time. Log on to this website using your WSU user ID and password.

Cheating will not be tolerated. Cheating will result in a zero grade for the exam and possibly a failing grade for the course. See the CWU Academic Dishonesty statement for more info: <https://www.cwu.edu/resources-reports/cwup-5-90-0104-academic-dishonesty>

Students with disabilities who wish to arrange for academic adjustments in this class are encouraged to provide me with a copy of their Confirmation of Eligibility for Academic Adjustments and meet with me as soon as possible to discuss their needs and the manner in which their accommodations will be delivered.

Other Helpful Information:

- Don't be afraid to stop by office hours if something isn't making sense
- I'll post grades on Canvas (<http://canvas.cwu.edu>).
- Mark the final exam on your calendar right away so you don't make vacations plans before you're done with the quarter

Tentative Schedule

Week	Topics/Events
1 Sept 20 th – 22 th	Intro, CCSS, mindset, Review of concepts
2 Sept 25 th – 29 th	Population
3 Oct 2 nd – 6 th	Population
4 Oct 9 th – 13 th	Freefalling/Mixture
5 Oct 16 th – 20 th	Mixture Midterm Exam (Fri, Oct 20 th)
6 Oct 23 rd – 27 th	Springs
7 Oct 30 th – 3 rd	Springs
8 Nov 6 th – 10 th	Systems of DEs No class Fri (Veteran's Day)
9 Nov 13 th – 17 th	Predator/Prey
10 Nov 20 th – 24 th	Competition No class Wed – Fri (Thanks. Break)
11 Nov 27 th – Dec 1 st	Review for Final
Comprehensive Final Exam, Tuesday, Dec 5th, noon – 2:00 PM	