

Differential Equations I

Math 555 – Summer 2013
Course Syllabus

Instructor:	Justin Ryan	CRN:	31902
Office:	JB 325	Time:	9.50 – 10.50 Daily
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Office Hour:	11.00 – 11.30 M-Th		

Textbook: *Elementary Differential Equations, 9th edition*, by William Boyce and Richard DiPrima.

Other Materials: Students are not allowed to use a calculator on exams, but may use one when doing any other work for this course. The problems on exams will be structured so that a calculator is not necessary.

Attendance: Attendance is required and expected. Students who miss class for any reason are responsible for the material covered that day, and any work that is due. Late work will not be accepted after it has been handed back to the rest of the class.

In case you must miss an exam, you will be allowed to make it up before it is returned to the other students in class (assume that this will be the very next class). You *must* contact me as soon as possible (email is best) to notify me of your intent to take the exam. It will then be available for you to take in the Testing Center in Grace Wilkie Hall. The Testing Center charges a fee of \$10.

Recommended Exercises: For each section that we cover in class, I will post 10-15 recommended problems from the book. The only way to learn mathematics is to do it, so it will be very important to complete these. All of these problems are for your own benefit, and will never be collected. Some of these problems will be similar to examples presented in class; others will be brand new. You can expect exam questions to be similar to these recommended exercises.

Projects: In addition to recommended exercises, you will be assigned weekly projects. These projects will consist of 3-5 problems that are slightly more challenging than the REs, thus they may be difficult to complete without doing the REs first. In the past I have been known to assign additional projects as extra credit near the end of the semester.

Tests: There will be four midterm exams, each counting for 20 % of your final grade. There will be no cumulative final in this course. You will be allowed to use a 3 × 5 note card on each exam. The questions will be similar to the recommended exercises. We'll discuss this more before the exams.

Grading: Your grade will be determined as follows:

Projects (approx. 8)	20 %
Midterm Exams (4)	80 %

Your final letter grade will be based on the following scale:

90 – 100%	A	76 – 78%	C+
88 – 90%	A–	68 – 76%	C
86 – 88%	B+	60 – 68%	D
80 – 86%	B	< 60%	F
78 – 80%	B–		

Course Outline: The course will cover the following portions of the book.

<u>Chapter</u>	<u>Sections</u>	<u>Exam Date</u>
1	All	
2	2.1 - 2.4; 2.6 - 2.8	28 Jun (F)
3	All	12 Jul (F)
4	None?	
5	5.1 - 5.4	26 Jul (F)
6	6.1 - 6.5	2 Aug (F)

Academic Honesty: Cheating will not be tolerated. Read the Student Handbook for Wichita State University's official cheating policy.

Special Needs: If you have any disability that may impact your ability to carry out any assigned course work in the time allotted, contact the Office of Disability Services (DS), Grace Wilkie Annex, room 173, 978–3309.

Assistance: I strongly believe that it is beneficial for students to work together on recommended exercises, and in preparation for exams. However, it is only beneficial to those students who put in the effort to learn and understand the material; *i.e.*, copying homework will not help you do well on the exams.

Credit Hours: This is a **3 credit hour class**. Success in this course is based on the expectation that students will spend a **minimum of 135 hours** over the length of the course for instruction, preparation, studying, and/or course-related activities. This amounts to a minimum of approximately *twelve* (12) hours per week outside of class.