

Math 334, Differential Equations

Section 1, GCB 178

1-1:50pm

Instructor: Dr. Scott Hyde

Office: GCB 160A

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Course Description: Methods used in solving ordinary differential equations and their applications. Numerical methods, series solutions, and Laplace Transforms.

Prerequisites: Math 214

Office Hours: 11-11:50 on Monday, Wednesday, and Friday. If you need to meet with me at any other time, I will be willing to accommodate you. Just email and schedule an appointment.

Required Text: **A First Course in Differential Equations, The Classic Fifth Edition**, by Zill

Calculators: A calculator can be helpful in the course. However, work must always be shown to receive full credit. You will not receive credit for just writing down the answer. Answers are not as important as the process through which an answer is derived.

Course Web Page: <http://jekyll.math.byuh.edu/courses/m334/fa06/>

The course web page will contain:

1. Resources for exams and quizzes.
2. Homework assignments
3. Important dates and times for exams.
4. Your current grade.
5. An updated syllabus.

You will be responsible for the web syllabus and not necessarily this one.

6. Other materials and links to web pages.

Homework and Quizzes: Homework will be assigned and mostly not collected. One to two problems will be collected for each section. See the webpage online for details. You should have the homework completed the class period after we cover the section in class. Make sure you keep up! You need to be self-motivated. If you do not do any homework, then you will NOT pass this class! If you need help, then ask me or ask the tutors in the Math Learning Center. Homework is your opportunity to prepare for the quizzes and exams. You will find that quizzes will be modeled after the homework, and may include exact problems from the homework. Quizzes will be given approximately once weekly. Quizzes cannot be made up for ANY reason, since I will drop one out of every five quizzes. Don't make that first one the one you drop! Keep your homework organized! If you keep all your homework and quizzes organized in a loose leaf notebook, you'll find it easier to study for the exams. When beginning the homework for a new section, start with a new sheet of paper. Working with partners or in groups on homework is encouraged!

Exams: The tests will be given in the Testing Center, except perhaps for the final. Consult our class calendar for the date, time and location of the final. Students who fail to take an exam during the scheduled time may only take a make-up exam for full credit if **previous** arrangements were made with the instructor or under extenuating circumstances. Make-up exams are rarely given. Note that class is not held during exam times; hence, the scheduled class time may be used to take exams. Under no circumstances will the lowest exam score be dropped. A schedule of the exams is on the calendar.

Exam	Material covered
1	Chapter 1, 2, 3
2	Chapter 4, 5
3	Chapter 6, 7
4	Chapter 8, 9
Final	comprehensive

Attendance: Attendance is mandatory! Come every day! Your attendance and full participation in this class are required for a satisfactory grade. **You are responsible for any material covered during your absence!** You must ask other classmates for any hints or help learned in class during your absence!

Classroom Decorum: Late arrival or early departure from class, unless by prior agreement with me, is considered to be disruptive classroom behavior. Conversation between students during presentations is considered disruptive behavior. If you find that you are distracted during classroom presentations by disruptive behavior of any sort, please talk with me.

Grading and Evaluation: Your course grade will be based on exams, a final, and quizzes. Exams will be worth 75% of the course grade, with the remaining 25% in quizzes. Letter grades will be assigned as follows:

A	93-	B	83-87	C	70-75	D-	50-55
A-	90-93	B-	80-83	C-	65-70	F	Below 50
B+	87-90	C+	75-80	D	55-65	UW	Below 50 and fail to take final.

Mathematics Learning Center The MLC (GCB 173/177) is a good place for math students to study. Other students will be there working on their math homework, which means its a pretty good place to work together. To make it even better, there are math tutors to help on problems that you or your classmates can't solve.

Additional Help: Seek help when you need it! Email is a good place to ask me questions. The best time to catch me at my office is during my office hours, or by appointment. Email me to schedule an appointment.

Sexual Harassment/Disabilities Statements for Course Syllabi:

Preventing Sexual Harassment: Title IX of the education amendments of 1972 prohibits sex discrimination against any participant in an educational program or activity that receives federal funds, including Federal loans and grants. Title IX also covers student-to-student sexual harassment. If you encounter unlawful sexual harassment or gender-based discrimination, please contact the Human Resource Service at 780-8875 (24 hours).

Student With Disabilities: Brigham Young University-Hawai'i is committed to providing a working and learning atmosphere, which reasonably accommodates qualified person with disabilities. If you have any disability that may impair your ability to complete this course successfully, please contact the students with Special Need Counselor Leilani Auna at 293-3999 or 293-3518. Reasonable academic accommodations are reviewed for all students who have qualified documented disabilities. If you need assistance or if you feel you have been unlawfully discriminated against on the basis of disability, you may seek resolution through established grievance policy and procedures. You should contact the Human Resource Services at 780-8875.

Tentative Schedule Fall 2006

Monday	Tuesday	Wednesday	Thursday	Friday
		August 30 §1.1	31	September 1 §1.2
Labor Day Holiday 4	5	6 §2.1 - 2.2	7	8 §2.3 - 2.4
11 §2.5	12	13 §3.1	14	15 §3.2
18 §3.3	19 - 20 Exam 1		21	22 §4.1
25 §4.2 - 4.3	26	27 §4.5 - 4.6	28	29 §4.7
October 2 §5.1	3	4 §5.2	5	6 §5.3
9 §5.4	10 - 11 Exam 2		12	13 §6.1
16 §6.2	17	18 §6.3	19	20 §7.1
23 §7.2	24	25 §7.3	26	27 §7.4
30 §7.5	31	November 1 §7.6	2 - 3 Exam 3	
6 §8.1	7	8 §8.4	9	10 §8.5
13 §8.6	14	15 §8.8	16	17 §9.1
20 §9.2	21	22 §9.3	23 Thanksgiving Day Holiday	24 Thanksgiving Day Holiday
27 §9.4	28	29 §Review	30	December 1 §Review
4 - 5 Exam 4		6 §Review	7	8 §Review
<p>The Final is on Friday, December 15th, 3 - 6pm in our classroom.</p>				

Homework for each section should be completed before the next class day.
Check the course web page for homework assignments.