

Instructor: Hassan. Bourgoub
Course Name: Differential equations
CRN/Section 49944/55Z
Classroom: None
Time: TBA
Office Hours M-Th: 10:30am-11:20pm, email and zoom by appointments.
Email: Canvas Inbox for any class communication
Text Differential Equations, By Dennis, G, Zill, 12th edition.

Course Content/Curriculum Outline

<http://ecms.deanza.edu/outlineprogresspublic.html?catalogID=2466>

PREREQUISITES

Deanza Math 001D with grade of C or better or the equivalent.

Attendance

The course is Asynchronous, and meetings are scheduled online as needed. At these meetings, attendance is optional.

Asynchronous learning

“Asynchronous learning means that the instructor and the students in the course all engage with the course content at various times (and from various locations). The instructor provides students with a sequence of units which the students move through as their schedules permit. Each unit might make use of assigned readings or uploaded media, online quizzes, discussion boards, and more. The instructor guides the students, provides them with feedback, and assesses them as needed.”

Online meetings/Ancillary Materials

I will schedule some Zoom meetings sporadically and you can attend if it fits your time schedule. Be sure to watch the videos on Web-assign when available, Canvas Modules, or any other media available, read the textbook on Web-assign, watch videos available on Media Index on the front page of the e-book, and notes posted on Canvas Modules before working any homework assignments. The textbook by far offers the best source of information and concept-based learning. Most videos only show you how to solve problems and lacks on principles and concepts. Overall Concept based learning is long lasting and takes a lot less time.

Test Performance

Satisfactory performance on tests, homework assignments and the final exam are necessary for passing the course. All dates for the assignments are fixed to allow for distribution of classwork throughout the quarter. There will be no extra assignments or extra credits in the course.

Web assigned Homework.

This part of the course is done on Web-assign website. You are to purchase an access code for web-assign with an e-book or web-assign bundled with a hard copy of a new textbook directly from the site or the Deanza Bookstore. If you make your purchase from the bookstore, be sure to purchase the 12th edition. You will be registered in web-assign by me and do not need class key; on the other hand, you will need to purchase an access code within the first two weeks of the quarter in the event that you do not have a multi term valid access code to the textbook assigned for the course.

This part of the of the course is done on Web-assign website. You are to purchase an access code separately or bundled with a new textbook directly from the site or the Deanza Bookstore. You will be registered in web-assign by me and do not need **class key**; on the other hand you will need to purchase an **access code** within the first two weeks of the quarter in the event that you do not have a valid access to the textbook assigned for the course.

If you have a Cengage account with the same name and email address you should see the course on your Web-assign/Cengage account, otherwise you will be instructed to create an account. **Be sure to use your name and email address exactly as it appears on DeAnza records.**

All due dates for the assignments are set on the site and fixed to insure fixed to ensure uniform distribution of course load throughout the quarter. Each assignment comprises a number of homework credits equal to the number of problems in the assignment. These credits will be scaled at the end of the quarter for a maximum of 100 course points, 25% of course grade.

Homework Extensions.

Only one extension for each assignment that expires in four days is allowed and it is done automatically on the site with 10% penalty. Do not ask for extensions on the site after extension time has expired. If you have some excruciating circumstances that warrant another extension, you need to contact me about the matter using Canvas Inbox.

All questions about HW problems are best addressed, after preparing for the assignment, during office hours and through Canvas email. Prepare for material covered in each assignment and allow ample time to work out the assignments and avoid last minute completion as it is not possible for many students to get the help they need in a very short amount of time and at an inconvenient time of the day.

Writing Exercises:

This part of classwork includes problem sets that cover sections studied in the Textbook. The problem sets are available on Canvas Assignments. I highly recommend that you work out these problems as they are intended to help students write during exams and quizzes. **These assignments are intended for your writing practice/review, and they are not to be turned in for credits.**

Testing

We are going to have three tests, three quizzes and a final exam. The tests are worth 50 points each, and the total number of points for the quizzes is 50, and the final exam counts for 100 points. There will be no makeup exams. The final exam will be comprehensive and mandatory. Dates for all tests and quizzes are available on the Canvas Assignments, Calendar and Modules.

The final exam will be comprehensive and mandatory and counts for 100 points, 25% of course grade. The date and time for the final is available on Canvas Calendar Assignments, and Modules.

Distribution of Course points (cpts)

Tests	150 cpts
Quizzes	50 cpts
MyOpenMath Homework	100 cpts
Final Exam	100 cpts
<hr/>	
Total	400 pts

Materials

The required text mentioned above, a TI84 calculator or the equivalent, loose paper, pencils, and a ruler are required course materials.

Academic Integrity

Refer to Schedule of Classes on college policy under subtitle Academic Integrity; in addition, cheating and plagiarism is not tolerated and will be decisively met with grade F for test/ assignment, and, or dismissal from class depending on the circumstances.

Grading:

The course grade is based on the fixed scale below. Grades are not given to you; they are earned by your desire and willingness to be consistent, persistent, and hardworking. There are three components to the total grade in this course, in-class tests and Quizzes, homework, and a final exam. The Final letter grade is based on the scale below. [\[08\]](#)

Grading Scale

Letter Grade	A+	A	A-	B+	B	B-	C+	C	D	F
Range in %	98-100	94-97	90-93	87-89	84-86	80-83	79-74	65-73	50-64	0-49

Good Luck

Student Learning Outcome(s):

- Construct and evaluate differential equation models to solve application problems.
- Classify, solve and analyze differential equation problems by applying appropriate techniques and theory.

Office Hours:

S47A	M,T,W,TH	10:30 AM - 11:20 AM
Zoom,Canvas	M,T,W,TH	10:30 AM - 12:00 PM