

## SYLLABUS FOR MATH 2A -- Differential Equations

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<b>Class Time and Location</b>	MW 6:30-8:45pm S16	
<b>Course Description</b>	Ordinary differential equations and selected applications.	
<b>Course SLO</b>	Construct and evaluate differential equation models to solve application problems. Classify, solve and analyze differential equation problems by applying appropriate techniques and theory.	
<b>Course Text</b>	A First Course in Differential Equations, 12 <sup>th</sup> edition, by Dennis Zill, published by Brooks/Cole.	
<b>Required Materials</b>	The textbook, a graphing calculator (TI-83 or 84 is preferred if you are buying a new calculator. If you already have a TI-82, 85, or 86, you can use that.)	
<b>Course Prerequisites</b>	Mathematics 1D with a grade of C or better. Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273	
<b>Method of Instruction</b>	In class lectures and discussions.	
<b>Evaluation Process (point based out of 250pt)</b>	Final grade in this course will be determined as follows:	
	Homework	60pts
	Tests (2)	120pts
	Final Exam	70pts
	Grading scale:	
	[230,250] :	"A"
	[225,229] :	"A-"
	[220,224] :	"B+"
	[205,219] :	"B"
	[200,204] :	"B-"
	[195,199] :	"C+"
	[175,194] :	"C"
	[150,174] :	"D"
	Below 150 :	"F"
	The top two scores in class that are above 245pts will receive A+.	
<b>Tests and Quizzes</b>	There will be two tests, each counting as 60pts. If you miss a test due to what I consider an emergency and you provide appropriate documentations in a timely manner (it is preferred to be within a week of the test), I will either replace that test grade with 6/7 of the final grade (final is out of 70 but each test is out of 60) or I may decide to provide you with an opportunity for a makeup test. The test may be both in mode and difficulty level different from the one originally administered. If your situation is not deemed to be an emergency, or if you don't provide appropriate documentation in a timely manner, you will receive a zero for that test. Regardless, you will get zero for other missed test. No makeups for the final can be provided. The final grade cannot be dropped.	
<b>Homework</b>	In the course schedule I have included a list of suggested homework problems from each sections. You are responsible to do at least all of the suggested problems but you should really know how to do ALL of the problems. There is a direct correlation between your level of comfort with the homework problems and your success in this class.  Grading: I will assign a few questions daily for you to submit. Each are not worth many	

points but they add up to 60 points for the quarter. Absolutely no late work is accepted. All the homework is to be submitted through Canvas.

**Class Attendance and Faculty Initiated Withdrawal Policy**

This is an in person class and your attendance is required. A student who discontinues participation in class and does not drop the course will either be dropped by the instructor after missing one or more week of instruction or get an F. It is student's responsibility to drop the course before the withdrawal deadline.

**Withdrawal Policy**

The withdrawal deadline for the quarter is **May 30<sup>th</sup>, 2025**. If you withdraw before this date, you will receive a "W". After this date, the grade would be an "F".

**Academic Honesty and Discipline Policy**

Students are expected to abide by the college code of conduct. All work turned in is to be the student's own. Students giving or receiving help on a test or quiz will forfeit all points for that assignment or may be withdrawn from the course with a grade of "F". For take home assignments, any student turning in a work, which is strikingly similar to that of another student, will be required to schedule a conference to discuss the matter with the instructor, and any evidence of cheating will result in no points for that assignment and will be reported for further action. I take cheating very seriously.

**Important Dates**

Please check the [important dates](#) for this quarter. The scheduled final is on the [schedule](#)

**Expected Student Conduct**

A student who is disruptive will be asked to leave the class and can only return with Dean's permission and will be reported for further action. During the quarter, if you have any questions about the course policies, you will be first referred to this syllabus. Please make sure you keep a copy. You can find Foothill-De Anza College Code of Conduct at [www.deanza.edu/dsps/dish/section2/codes.html](http://www.deanza.edu/dsps/dish/section2/codes.html)

**Students with Disabilities**

Students with disabilities who qualify for academic accommodations must provide a notification from the Disability Support Services (DSS) and discuss specific needs with the instructor, preferably during the first two weeks of class. Disability Support Services determines accommodations based on appropriate documentation of disabilities. DSS is located in room RSS-141 and their phone number is (408)430-7681

**Disclaimer Statement**

The information presented in this syllabus may be modified as required by the instructor. Students will be notified of any modifications during normally scheduled classes, and the students are responsible for the changes.

**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:**

M,W 8:45 PM - 9:10 PM

S16