

SYLLABUS FOR MATH 2A -- Differential Equations

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Class Time and Location	MTWR 5:30-7:45pm S57
Course Description	Ordinary differential equations and selected applications.
Course SLO	Construct and evaluate differential equation models to solve application problems. Classify, solve and analyze differential equation problems by applying appropriate techniques and theory.
Course Text	A First Course in Differential Equations, 11 th edition, by Dennis Zill, published by Brooks/Cole.
Required Materials	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.)
Course Prerequisites	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
Method of Instruction	In class lectures and discussions.

Evaluation Process (point based out of 200pt)	Final grade in this course will be determined as follows:	
	Homework	40pts
	Tests (2)	100pts
	Final Exam	60pts
	Grading scale:	
	[184,200] :	"A"
	[180,183] :	"A-"
	[176,179] :	"B+"
	[164,175] :	"B"
	[160,163] :	"B-"
	[156,159] :	"C+"
	[140,155] :	"C"
	[120,139] :	"D"
	Below 120 :	"F"

The top two scores in class that are above 196pts will receive A+. The student is responsible for saving all graded, returned work. There will be no discussion of grade discrepancies unless the student has a graded copy of the work in question. Please also keep a copy of all the work you turn in for your own records.

Tests and Quizzes	There will be Two tests, each counting as 50pts. Absolutely no makeup tests. If you miss a test due to what I consider an emergency and you provide appropriate documentations, I will decide to either replace that test grade with 5/6 of the final grade (final is out of 60 but each test is out of 50) or I will provide you with an opportunity for a make up test. The test can be both in modality and difficulty level different than the one others took. You must inform me of your emergency within 48 hours and provide me with the documentation relevant to your situation. If I don't consider your reasoning as an emergency or if you don't provide me with appropriate documentation in a timely manner, you will receive a zero for that test. Regardless, you will get zero for any other missed tests, emergency or not. No makeups for the final can be provided. The final grade cannot be dropped.
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Homework	<p>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. You should 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.</p> <p>Grading: I will assign a few questions daily for you to submit. Each are not worth many points but they add up to 25 points for the quarter. Absolutely no late work is accepted. All the homework is to be submitted through Canvas.</p>
Class Attendance and Faculty Initiated Withdrawal Policy	<p>A student who discontinues participation in class for more than a week and does not drop the course will get an F. It is the student's responsibility to drop the course. Participation is very important. If a student misses many assessments, they may be dropped. However the ultimate responsibility of dropping the course lies with the student.</p>
Withdrawal Policy	<p>You can find your W deadline on your myportal. If you withdraw before this date, you will receive a "W". After this date, an "F".</p>
Academic Honesty and Discipline Policy	<p>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.</p>
Important Dates	<p>Please check your myportal for important dates. The scheduled final is on the course schedule</p>
Expected Student Conduct	<p>A student who is disruptive will be asked to leave the Zoom meeting. and will be dropped from the class 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</p>
Students with Disabilities	<p>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 Student Community Services building, room 141 and their phone number is (408) 864-8753</p>
Disclaimer Statement	<p>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.</p>

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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.