SYLLABUS FOR MATH 2A -- Differential Equations

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Class Time and Location	MTWR 12:30-2:45 Online
Course Description	Ordinary differential equations and selected applications.
Course Text	A First Course in Differential Equations, 10th edition, by Dennis Zill, published by Brooks/Cole, 2013, ISBN 978-1-111-82705-2
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	We will have regular Zoom video lectures.

Evaluation Process (point based out of 200pt)

Final grade in this course will be determined as follows:

Homework	25pts
Tests (2)	100pts
Final Exam	60pts
Oral Exam	15pts

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 Zoom proctored 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 mode and difficultly 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. Final is also a Zoom proctored exam. No makeups for the final can be provided. The final grade cannot be dropped.

There will be one or more oral exams totalling to 15 points. I will request and appointment in a particular time window during the quarter. In that appointment I will ask you questions related to any of the homework problems and tests given upto that

point. It is to both test your honest performance in the assessment upto that point and your level of understanding. If your oral performance does not match your submitted work, that may lead to a different conversation around honesty in academics.

Homework

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.

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.

Class Attendance and Faculty Initiated Withdrawal Policy

A student who discontinues participation in class and does not drop the course will get an F. It is the student's responsibility to drop the course. Participation is very important. Please make sure you join the Zoom meetings and if not (provided I do record that meeting) please watch the recording before the link is deactivated. If a student misses many assessments, they may be dropped. However the ultimate responsibility of dropping the course lies with the student.

Withdrawal Policy

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".

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.

Important Dates

Please check your myporatl for important dates. The scheduled final is on the course schedule.

Expected Student Conduct

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

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 Student Community Services building, room 141 and their phone number is (408) 864-8753

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.

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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.