

SYLLABUS FOR MATH 2A -- Differential Equations

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|--|---|---------------------|-------|-----------------------|-------|----------------------|--------|------------|--------|-------------|-----|-------------|------|-------------|------|-------------|-----|-------------|------|-------------|------|-------------|-----|-------------|-----|-------------|-----|
| Instructor | Mehrdad Khosravi | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Office | S-42a, M-W 11:30-12:20 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone | (408)864-5384 | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Web Page | http://nebula2.deanza.edu/~mkhosravi/Sites/index.html | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Class Time and Location | MTWRF 8:30-9:20 S16 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Course Description | Ordinary differential equations and selected applications. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Course Text | A First Course in Differential Equations, 10 th 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 | This class will consist of lectures and in-class discussion. There will also be boardwork and in-class group assignments which you are expected to participate in. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evaluation Process (point based out of 500pt) | <p>Final grade in this course will be determined as follows:</p> <table border="0" style="margin-left: 40px;"> <tr> <td>Class participation</td> <td style="text-align: right;">10pts</td> </tr> <tr> <td>Homework(5, 8pt each)</td> <td style="text-align: right;">40pts</td> </tr> <tr> <td>Tests (5, 70pt each)</td> <td style="text-align: right;">350pts</td> </tr> <tr> <td>Final Exam</td> <td style="text-align: right;">100pts</td> </tr> </table> <p>Grading scale:</p> <table border="0" style="margin-left: 40px;"> <tr> <td>[460,500] :</td> <td>"A"</td> </tr> <tr> <td>[450,459] :</td> <td>"A-"</td> </tr> <tr> <td>[440,449] :</td> <td>"B+"</td> </tr> <tr> <td>[410,439] :</td> <td>"B"</td> </tr> <tr> <td>[400,409] :</td> <td>"B-"</td> </tr> <tr> <td>[390,399] :</td> <td>"C+"</td> </tr> <tr> <td>[350,389] :</td> <td>"C"</td> </tr> <tr> <td>[300,349] :</td> <td>"D"</td> </tr> <tr> <td>Below 300 :</td> <td>"F"</td> </tr> </table> <p>The top two scores in class that are above 490pts 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.</p> | Class participation | 10pts | Homework(5, 8pt each) | 40pts | Tests (5, 70pt each) | 350pts | Final Exam | 100pts | [460,500] : | "A" | [450,459] : | "A-" | [440,449] : | "B+" | [410,439] : | "B" | [400,409] : | "B-" | [390,399] : | "C+" | [350,389] : | "C" | [300,349] : | "D" | Below 300 : | "F" |
| Class participation | 10pts | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Homework(5, 8pt each) | 40pts | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tests (5, 70pt each) | 350pts | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Final Exam | 100pts | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [460,500] : | "A" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [450,459] : | "A-" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [440,449] : | "B+" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [410,439] : | "B" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [400,409] : | "B-" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [390,399] : | "C+" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [350,389] : | "C" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [300,349] : | "D" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Below 300 : | "F" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tests and Quizzes | There will be five in-class tests, each counting as 70pts. Absolutely no makeup tests. There is a sixth test worth 70pts at the end of week 11 that can replace your lowest test grade or one missed test. If you are happy with the first 5 exams you do not need to take the 6 in class test. Everyone must take the final. No makeups for the final can be provided. The final grade cannot be dropped. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 collect your homework for the sections covered in each test on the day of the test and grade them for completion during the test. Your work must contain the process and final answer for each problem. Also, no late work will be accepted. Random take home work can be assigned. Please keep a copy of the work you turn in for your records.

Class Attendance and Faculty Initiated Withdrawal Policy

A student who discontinues coming to class and does not drop the course will get an F. It is the student's responsibility to drop the course. Attendance is mandatory. Participation counts as 10pts of your total grade. Every absence, tardiness, early departure for any reason, or in class distractions (such as cell phones or computers) could result in a loss of 2pts each time. If a student misses five classes, he or she may be dropped. However the ultimate responsibility of dropping the course lies with the student.

Withdrawal Policy

The withdrawal deadline for the quarter is **November 15th, 2019**. If students withdraw before this date, they 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 the [important dates](#) for this quarter. The scheduled final is on the [course schedule](#).

Expected Student Conduct

An Honors cohort is being offered in this section. If you are in the Honors Program you are welcome to participate in the cohort. If you are not in the Honors Program but are eligible for the program, you are also welcome to participate as long as you have not taken an Honors class from De Anza previously. Eligibility requirements can be found at <http://www.deanza.edu/honors> or you may contact dahonors@deanza.edu with your name, SID, and the Honors course you are interested in taking. The cohort entails additional work and you will earn an Honors designation for this class on your transcript. Once you commit to the Honors portion, you will be expected to complete the extra work. Failure to complete the Honors work will result in a lowering of your Honors course grade. Honor students' grade will be out of 550 points where the extra 50 points is for your honor project. Hence, if an honor student chooses

not to complete the honor project, the final grade would be at most 500/550 which is A-.

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.