

MATH 2A-64 Differential Equations

Instructor: Paul Du, PhD

Class: TTh 6:30 PM – 8:45 PM, Room S45

E-mail: dupaul@fhda.edu

Office Hours: T 5:20 PM – 6:20 PM, Room S43

Class Communication Tool: *My Courses / Course Studio* at MyPortal.fhda.edu**Prerequisite:** Math 1D with a grade of C or better.**Course Description:** Ordinary differential equations and selected applications.**Textbook:** *Differential Equations with Modeling Applications*, Zill, 10th Edition.**Calculator:** A graphing calculator (e.g. TI-83/TI-84) is recommended. Calculators with symbolic manipulation capabilities (e.g. TI-89/TI-92) will not be allowed on exams or quizzes. Cell phone calculators will not be allowed on exams or quizzes.**Student Learning Outcomes:** Upon completion of this course, the student will be able to

1. Construct and evaluate differential equations models to solve application models.
2. Classify, solve and analyze differential equations by applying appropriate techniques and theory.

Homework and Reading: Homework will be assigned for each covered section of the textbook. Reading the sections to be covered before coming to class is essential and considered part of the homework. Homework will not be collected. Instead, your homework will be evaluated through regular quizzes. It is very important that you complete all the assigned homework problems in a timely manner.**Classwork:** There will be occasional in-class assignments which may involve group work. The dates for classwork will be unannounced. **There will be no make-up classwork.****Quizzes:** There will be six (6) quizzes given during the quarter. Quiz problems will be similar to (or taken directly from) the homework assignments. The lowest quiz score will be dropped at the end of the quarter. **There will be no make-up quizzes.****Midterm Exams:** There will be three (3) midterm exams given during the quarter. You may bring one single-sided $8.5'' \times 11''$ sheet of handwritten notes to each midterm exam. The lowest midterm exam score will be replaced by the final exam score, if the latter is higher. **There will be no make-up midterm exams.****Final Exam:** A mandatory comprehensive final exam will be given at the end of the quarter. You may bring one double-sided $8.5'' \times 11''$ sheet of handwritten notes to the final exam. **Any student who misses the final exam will receive a grade of F for the course.**

Grading Criteria:

Classwork	5%	90 – 100% = A	0 – 59% = F
Quizzes	20%	80 – 89% = B	
Midterm Exams	45%	70 – 79% = C	
Final Exam	30%	60 – 69% = D	

Attendance Policy: Students are expected to attend all classes, to be on time and to stay for the entire class period. Any student who misses more than one (1) class during the first two weeks or more than three (3) classes during the quarter may be dropped by the instructor. Please note that it is the student’s responsibility to officially drop or withdraw from the course if the student decides not to attend any longer. Failure to do so may result in a grade of F for the course.

Academic Honesty: Students are responsible for keeping themselves informed of the College policy on academic integrity (www.deanza.edu/studenthandbook/). Cheating will not be tolerated and can result in receiving a zero on the quiz/exam or an F for the course and being reported to the Dean of Students for possible disciplinary action.

Extra Help: The Math and Science Tutorial Center (S43) offers free individual and group tutoring. Please take advantage of these free services. Tutorial assistance often means the difference between students earning a passing or failing grade. Do not hesitate to come to my office hours to discuss a homework problem or any aspect of the course.

Accommodations for Disabilities: Disability Support Services (DSS) provides support services for students with disabilities. For more information or to make an appointment to request services, contact DSS at 408-864-8753.

Important Dates:

Last day to drop with no record of grade Sunday, April 19
Last day to drop with a “W” Friday, May 29

Tentative Course Schedule
(MATH 2A-64 – Spring 2015)

TUESDAY		THURSDAY	
Apr 7th §1.1, §1.2	1	9th §2.1, §2.2	2
14th §2.3, §2.4	3	16th §2.5, Quiz 1	4
21st §2.6, §3.1	5	23rd §3.2, Quiz 2	6
28th §4.1, Review	7	30th Exam 1	8
May 5th §4.2, §4.3	9	7th §4.4, Quiz 3	10
12th §4.6, §4.7	11	14th §5.1, Quiz 4	12
19th §6.1, Review	13	21st Exam 2	14
26th §6.2, §6.3	15	28th §7.1, Quiz 5	16
June 2nd §7.2, §7.3	17	4th §7.4, Quiz 6	18
9th §7.5, Review	19	11th Exam 3	20
16th §4.9, §8.1	21	18th §8.2, Review	22
23rd Final: 6:15 PM – 8:15 PM	23	25th	24