Math 285-1003 Differential Equations
Spring 2018

Instructor: Emine Celik
Email: ecelik@unr.edu
Phone: 784-7554

Time: MWF 11:00AM – 11:50AM
Place: AB 102
Office: DMSC 218.

Course Pages:
1. https://wolfweb.unr.edu/homepage/ecelik/teach.html will be updated regularly.

Office Hours: MW 12:00-2:00pm, F 12:00-01:00pm or by appointment


Course Description: Emphasis in this course will be placed on understanding the underlying concepts rather than memorization: knowing why is the key to knowing how. We will cover selected sections in Chapters 1-5, 7 and 8 of the textbook.

Prerequisites: MATH 182 with a C- or better.

Student Learning Outcomes: Upon completing this course, a student shell be able to

- Use qualitative methods to assess the behavior of solutions without solving an equation.
- Demonstrate understanding of some of different techniques for solving first and higher order homogeneous and nonhomogeneous equations: e.g. the integrating factor method, separable variables, the Laplace transform.
- Solve systems of differential equations with constant coefficients.

Grading Policy: Homework (25%), Midterm 1 (15%), Midterm 2 (15%), Midterm 3 (15%), Final (30%).

Important Dates:
Midterm #1 ......................... March 5, Monday
Midterm #2 ......................... April 4, Wednesday
Midterm #3 ......................... April 25, Wednesday
Final Exam ........ May 16, Wednesday, 7:30am-9:30am

Grading Procedures: A: 90%, A-:87%, B+: 84%, B: 80%, B-: 77%, C+: 74%, C: 70%, D+: 65%, D: 60%, F: Below 60%.

Required Reading: You are expected to read the relevant sections of the textbook before attending each lecture.
Quizzes: There will be several unannounced “pop” quizzes throughout the semester. Quizzes will be given during last 15 minutes of class. You may receive up to 5 points of extra credit to be added to your final grade for quizzes. There will be NO make-up quizzes even for an excused absence such as a field trip.

Online Homework: All homework is to be completed on Webassign. You are responsible for keeping track of all assignments and their due dates. Solving homework problems will help you to understand the key concept and to master the skills you will need to succeed in this course. You should try to work on the problems assigned for a section as soon as the material is covered. You may discuss problems with other students, but all submitted work should be your own.

Go to http://www.webassign.net and use the code unr 0472 5837. You will be asked to set up a Webassign account if you do not already have one. Please use exactly the same name and email you use to register for courses at UNR.

Calculators: Only scientific calculators (that is calculators without the ability to graph) will be allowed during exams. No smartphone, tablets, computers or other electronic equipment is allowed for exam taking.

Attendance and Absences: Lecture attendance is not mandatory and will not directly impact your course grade. However, it is highly recommended that you attend class as the material in this course is at times challenging and may be difficult to master on your own. Missing a lecture is NOT an excuse for not knowing what material was covered that day, and what assignments were made or were due.

Make-up assignments: Make-up exams will only be given for absences with a valid excuse, such as an illness. If you know in advance that you will be missing an exam date, notify the instructor at the earliest possible time. As the two lowest graded homework scores will be dropped at the end of the semester, make-up homework assignments will only be given if the students missed several assignments for valid reasons. There will be NO make-up quizzes.

Academic misconduct: You must work independently on all exams unless your exam instructions indicate otherwise. Any behavior inappropriate to test taking that may disturb other students will be considered cheating. You may not read notes or books while taking tests unless you have permission from your instructor. Homework is not a test therefore collaboration with your peers is permitted. If you are unclear as to what constitutes cheating, please consult with your instructor.

Equal opportunity and Students with a Disability: The Department of Mathematics and Statistics encourages any student needing to request accommodations for a specific disability, to meet with their instructor at their earliest convenience, to ensure timely and appropriate accommodations.

Academic Success Services: Your student fees cover usage of the

- Math Center (784-4433 or https://www.unr.edu/math-center),
- Tutoring Center (784-6801 or https://www.unr.edu/tutoring-center),
- University Writing Center (784-6030 or http://www.unr.edu/writing-center).

These centers support your classroom learning and it is highly advised that you take advantage of their services. Keep in mind that seeking help outside of class is the sign of a responsible and successful student.

Audio and Video Recording: The following is new University policy: Surreptitious or covert videotaping of class or unauthorized audio recording of class is prohibited by law and by Board of Regents policy. This class may be videotaped or audio recorded only with the written permission of the instructor. In order to accommodate students with disabilities, some students may be given permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded.