MTH 322 – Differential Equations  
Spring 2010

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Office Hours: MW 12–1 in Harned Hall 213  
TTh 1–3, by appointment, or drop in OM 429
Webpage: http://homepages.stmartin.edu/fac_staff/coverdeep/

“E-Chapters” from http://tutorial.math.lamar.edu/Classes/DE/  
or on my webpage

Other: Coursepack of class notes available in the bookstore

Course Prerequisite: MTH 172 with a C− or better

Course Objectives:
♦ To provide the student with an understanding of the solutions and applications of ordinary differential equations.
♦ To understand applications of ODE in physics, biology, and economics.
♦ Develop new problem solving skills and enhance critical thinking abilities.

Exams and Grading:
♦ Homework 15%  
  IMPORTANT: NO EXTRA CREDIT
♦ PFIDAP 20%
♦ Exams 1/2/3 45% (15% each)
♦ Final 20%

Homework
♦ Homework may be done in groups (each student must hand in an assignment).
♦ Homework may be an in-class assignment. These can not be made up.
♦ Assigned problems are on a separate handout as well as on my webpage.
♦ Due dates will be announced in class.
♦ You must show your work to receive full credit (where applicable).
♦ Late homework will be penalized/not accepted.
  ◦ Homework will be considered late if not in my office by 3:00 on the due date unless prior arrangements have been made.
  ◦ Homework will be accepted until the assignment is returned to the class—but it will be penalized unless prior arrangements have been made.

Exams 1/2/3:
♦ Make-up exams will not be possible without prior arrangements–and the reason for missing an exam must be compelling and perhaps more importantly, documented. Make-up exams will be more difficult.
♦ Exams will resemble homework problems and problems done in class.
Partial fractions, integration, derivatives, and algebra play a key role in the course. The problems will be on separate handouts with due dates identified.

Final Exam:
- The final will be closed book (may allow a notecard).
- Will be cumulative.

General Philosophy/Attendance:
- College prepares you for a professional position.
- In the working world, you are responsible for your career and you are accountable for your decisions. For example, class attendance is expected (just as you are expected to go to work), but not required.

Important Dates:
- Martin Luther King’s Birthday, no class January 18, 2010
- Last day to add a class January 22, 2010
- First Exam February 12, 2010 (subject to change)
- President’s Day, no class February 15, 2010
- Second Exam March 10, 2010 (subject to change)
- Spring Break, no class March 15–19, 2010
- Last day to withdraw March 26, 2010
- Easter Recess, no class April 2–5, 2010
- Third Exam April 14, 2010 (subject to change)
- Final Exam

Students with Disabilities:
If you need course adaptations or accommodations because of a disability, if you have a medical and/or safety concern to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible.