



University of  
Science & Technology

MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY

DEPARTMENT of MATHEMATICS and STATISTICS

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Mathematics 302 "Intermediate Differential Equations", Section A, Fall 2009 (Aug 24 – Dec 11)

**Lecture:** Monday, Wednesday, and Friday (except Sep 7, Nov 23/25/27) in ROLLA G4 from 9 to 9:50 in the morning.

This class has a web site: <http://www.mst.edu/~akine>

**Office Hours:** Tuesdays/Thursdays in ROLLA 310 from 10AM to 11:30AM. Also by appointment.

Appointments may be scheduled in person, by phone, or via e-mail.

**Prerequisite:** Math 204 or Math 229.

**Text:** "The Theory of Differential Equations Classical and Qualitative" by Kelley and Peterson.

**Course Description:** This course introduces first-order differential equations, linear systems, autonomous systems and self-adjoint second order differential equations. Topics will be covered from Chapters 1-3 and Chapter 5.

**Attendance Policy:** You are expected to attend every class period. If you know in advance that you will not be able to attend, let me know. Your enrollment in this course may be terminated for excessive absences, but in any case your total points will automatically be reduced by 5 points for every unexcused absence in excess of five. If you have 3 absences before October 5, an academic alert will be issued.

**Homework/Quizzes:** There will be 10 weekly homework assignments. On assignment due dates either homework will be collected and selected problems will be graded, or a short quiz will be given on the homework material. Assignments should be composed neatly and stapled together. You may consult with others in our class concerning solutions of these assignments. However, the work you turn in must be your own. Copying the work of others is not acceptable. Missed homework assignments will not be made up.

**Exams:** There will be three 50-minute exams. Each will be announced at least one week in advance.

**Final Exam:** The final exam is comprehensive and will be on December 16, 2009 from 4PM to 6PM.

**Grading Policy:** Each of the 10 homework assignments is worth 20 points (6 points for each of the 2 selected problems and 8 points based on the overall effort shown in completing the homework). Each of the 3 exams is 100 points, and the final exam 200 points. You will need 630 points (90%) to receive an A, 560 points (80%) to receive a B, 490 points (70%) to receive a C, and 420 points (60%) to receive a D. If you earn less than 420 points, then you can expect to receive an F.

**Academic Alert System:** (<http://academicalert.mst.edu/>)

The purpose of the Academic Alert System is to improve the overall academic success of students by improving communication among students, instructors and advisors; reducing the time required for students to be informed of their academic status; and informing students of actions necessary by them in order to meet the academic requirements in their courses. **You should check your S&T e-mail frequently** for academic alerts and other course-related and administrative matters.

**Disability Support Services:** (204 Norwood, 341-4211, [dss@mst.edu](mailto:dss@mst.edu))

If you have a documented disability and anticipate needing accommodations in this course, you are strongly encouraged to meet with your professor early in the semester. You will need to request that the Disability Services staff send a letter to your professor verifying your disability and specifying the accommodation you will need **before** your accommodation can be arranged.

**Academic Dishonesty** (<http://registrar.mst.edu/academicregs/index.html>)

Page 30 of the S&T Student Academic Regulations handbook describes the student standard of conduct relative to the System's Collected Rules and Regulations section 200.010, and offers descriptions of academic dishonesty including cheating, plagiarism or sabotage.

**In case of emergency:** The closest exit from G4 is out the east door—make a right, open the door and then make a left to use the stairs. Please see the web site <http://registrar.mst.edu/links/egress.html> for more details.