MISSOURI S&T

Formerly University of Missouri–Rolla

DEPARTMENT of MATHEMATICS and STATISTICS

Dr. Martin Bohner

106 Rolla Building
Rolla, MO 65409-0020
Phone: (573)341-4129
Fax: (573)341-4741
E-Mail: bohner@mst.edu
http://web.mst.edu/~bohner

Mathematics 204 "Elementary Differential Equations", Fall 2012.

Lecture: Monday, Wednesday, and Friday in CS-202 from 10 to 10:50 in the morning (Section D). The web site for this class is

http://web.mst.edu/~bohner/math204-12/math204.html.

Office Hours: Monday, Wednesday, and Friday in ROLLA-106 from 11 to 11:50 in the morning. Also by appointment. Appointments may be scheduled in person, by phone, or via e-mail.

Text: "Elementary Differential Equations" by Boyce and DiPrima (9th edition), Chapters 1.1–1.3, 2.1–2.5, 3, 4, 5.4, 6, 7. Also, a suggested reference is "Schaum's Outline of Differential Equations" by Bronson and Costa (3rd edition).

Description: First order differential equations and linear differential equations of higher order are studied. The Laplace transform and systems of linear equations as well as selected physical applications are covered.

Course Coordinator: Dr. David Grow, 103 Rolla Building.

Attendance and Drop Policy: With three absences from class, you will receive an academic alert. With six absences from class, you will be dropped from the class.

Homework Assignments: There will be weekly homework assignments. The best ten of them count. Homeworks are collected and selected problems are graded. Instead of collection of homeworks, there may be a quiz during class on a homework problem.

Exams: There will be three common hour exams on the following Thursdays, 7:30 until 8:30 in the evening: Sep 27, Oct 25, Nov 29.

Final Exam: The final exam is comprehensive and will be on Wednesday, Dec 12 from 10:30 AM to 12:30 PM.

Grading Policy: Each of the ten homework assignments is worth 10 points, each of the three hour exams 100 points, and the final exam 200 points. Hence the emphasis on the final amount of points is weighted as follows:

Homework	Hour Exams	Final
$\left(16 + \frac{2}{3}\right)\%$	50%	$\left(33 + \frac{1}{3}\right)\%$

Altogether 600 points are available. The accumulated scores may be found on the lecture's web site (using a personal password). Note that these scores as well as estimated final grades are updated weekly. If p is the final (relative) percentage, the final (estimated) grade will be determined according to the following table:

F	D	C	B	A
$p < 60$	$60 \leq p < 70$	$70 \leq p < 80$	$80 \leq p < 90$	$p \geq 90$