MISSOURI S&T

Formerly University of Missouri–Rolla

DEPARTMENT of MATHEMATICS and STATISTICS

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Curators' Professor

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MISSOURI S&T
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Science & Technology

Mathematics 204 "Elementary Differential Equations", Spring 2014.

Lecture: MWF in TMH-250 from 2 to 2:50 in the afternoon (Section G). The class website is

http://web.mst.edu/~bohner/math204-14/math204.html.

Office Hours: MWF 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. Please refer to the website for other available help such as LEAD Session and the Mathematics Tutoring Room.

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. Yanzhi Zhang, 110 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: Feb 27, Apr 3, May 1.

Final Exam: The final exam is comprehensive and will be on Wednesday, May 14 from 8 to 10 in the morning.

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 website (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
$p < 60$	$60 \leq p < 70$	$70 \leq p < 80$	$80 \leq p < 90$	$p \geq 90$