MISSOURI S&T

Formerly University of Missouri–Rolla

DEPARTMENT of MATHEMATICS and STATISTICS

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Mathematics 204 "Elementary Differential Equations", Spring 2010 (Jan 11 – May 7).

Lecture: Tuesday and Thursday (except Jan 18, Mar 12/29/31, Apr 2) in CH-103 from 2 to 2:50 in the afternoon (Section J). The web site for this class is

http://web.mst.edu/~bohner/math204-10/math204.html.

Office Hours: Tuesday and Thursday in ROLLA-106 from 10:50 to noon in the morning. Also by appointment. Appointments may be scheduled in person, by phone, or via e-mail.

Text: "A First Course in Differential Equations" by Dennis Zill (8th edition), Chapters 1.1–1.2, 2.1–2.3, 3.1–3.2, 4.1–4.3, 4.5–4.7, 5.1, 7.1–7.5, 8.1–8.3, Appendix I, Appendix II.

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 two absences from class, you will receive an academic alert. With four 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 Tuesdays, 7:30 until 8:30 in the evening: Feb 16, Mar 23, May 4.

Final Exam: The final exam is comprehensive and will be on Thursday, May 13 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 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
$p < 50$	$50 \leq p < 60$	$60 \leq p < 76$	$76 \leq p < 88$	$p \geq 88$