UNIVERSITY of MISSOURI-ROLLA
DEPARTMENT of MATHEMATICS and STATISTICS

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Mathematics 204 "Elementary Differential Equations", Fall 2003 (Aug 25 – Dec 12).

Lecture: Monday, Wednesday, and Friday (excluding Sep 1, Oct 3, Nov 26/28) in CSCI-203 from 11 to 11:50 in the morning (Section D). The web site for this class is

"http://www.umr.edu/~bohner/math204-03/math204.html".

Office Hours: Monday, Wednesday, and Friday in ROLLA-106 from 3 to 4 in the afternoon. Also by appointment. Appointments may be scheduled in person, by phone, or via e-mail.

Text: "Elementary Differential Equations and Boundary Value Problems" by Boyce and DiPrima (7th edition), Chapters 1–4, 6–7, parts of Chapters 5 and 9.

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.

Homework Assignments: There will be 10 weekly homework assignments. They are available in class (and as PDF Files on the lecture's web site). Homeworks will be collected and selected problems will be graded. Instead of collection of homeworks, there may be a quiz during class on the homework material.

Hour Exams: There will be 4 exams during class. The last one will be on Monday, December 8, and the other three exams will be announced at least one week in advance.

Final Exam: The final exam is comprehensive and will be on Tuesday, December 16 from 1:30 to 3:30 in the afternoon.

Grading Policy: Each of the ten homework assignments is worth 20 points, each of the four 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
25%	50%	25%

Altogether 800 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
$p < 60$	$60 \leq p < 70$	$70 \leq p < 80$	$80 \leq p < 90$	$p \geq 90$