MISSOURI S&T

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DEPARTMENT of MATHEMATICS and STATISTICS

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Curators' Distinguished Professor

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Mathematics 3304 "Elementary Differential Equations", Spring 2018.

Lecture: MWF in McNutt-206 from 11 to 11:50 in the morning (Section E). The class website is

http://web.mst.edu/~bohner/math3304-18/math3304.html.

Office Hours: MWF in ROLLA-106 from 3 to 3:50 in the afternoon. 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. Vy Le, 108 Rolla Building.

Attendance and Drop Policy: With three absences from class, you will receive an academic alert. With five 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 midterm exams on the following Thursdays, 5 to 5:50 in the evening: Feb 15, Mar 22, Apr 26.

Final Exam: The final exam is comprehensive and will be on Thursday, May 10 from 3 to 5 in the afternoon.

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