



UNIVERSITY of MISSOURI-ROLLA  
DEPARTMENT of MATHEMATICS and STATISTICS

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**Mathematics 15 “Calculus for Engineers II”, Section A, Spring 2005 (Jan 10 – May 6).**

**Lecture:** Monday, Wednesday, and Friday (except Jan 17, Mar 18/28/30, Apr 1) in CE-125 from 9:00 to 9:50 in the morning. Lab sessions are Tuesday and Thursday (except Mar 17/29/31) 8:00-8:50, 9:00-9:50 and 10:00-10:50 in the morning, conducted by Vu Ong (102 Rolla Bldg). This class has a web site:

<http://www.umr.edu/~akine/spring05/math15.html>

**Office Hours:** Monday, Wednesday, and Friday in ROLLA 310 from 1 to 2 in the afternoon. Also by appointment. Appointments may be scheduled in person, by phone, or via e-mail. Other help (tutor rooms, GTA, help sessions) can be found on the website. Weekly night LEAD sessions are held on Wednesday 7-9 in the evening in ROLLA-G5 and are **mandatory** for students with grade 70% or lower. Mandatory means that you will be dropped on the next day if you have 70% or lower and miss one of these sessions. You can learn anytime whether you have 70% or lower by going to the Blackboard.

**Text:** “Calculus” by James Stewart (edition 5e), Chapters 7–12.

**Attendance Policy:** You are expected to attend every class period (lecture and recitation). If you know in advance that you will not be able to attend, let me know. Your enrollment in this course may be terminated due to excessive absences (more than 5 for the semester). If you have a class grade of 65% or less or 3 or more absences by Feb 21, you will be dropped from the course. Anybody not turning in a daily lecture quiz is counted as absent.

**Course Coordinator:** Dr. Martin Bohner (106 Rolla Bldg). If talking to the course coordinator does not resolve your concern, you may then speak to the chairman, Dr. Leon Hall (207 Rolla Bldg).

**Homework Assignments:** Homework is collected on Friday at 9 in the morning (the assigned problems from the previous Friday, Monday, and Wednesday) and 2 selected problems are graded. Quizzes are written on Tuesday or Thursday. In each lecture, a daily lecture quiz (at most five minutes) is written. No late homework is accepted. Missed quizzes or missed daily lecture quizzes will not be made up.

**Exams:** There will be 4 exams in CE-125 from 5 to 6 in the evening on the following Thursdays: Jan 27, Feb 17, Mar 24, and Apr 28.

**Final Exam:** The final exam is comprehensive and will be on Monday, May 9 from 8 to 10 in the morning. If on May 6 you have 90% or higher and 3 or less absences with no absence after Apr 28, you receive an A and do not need to take the final exam.

**Grading Policy:** On all work (exams, homework, quizzes, final) you must show your work clearly and completely. You will be graded on your work as well as your answers. But a correct answer that is unsupported by your work will not receive credit. Each homework assignment is worth 6 points (2 points for each of the 2 selected problems and 2 points based on the overall effort shown in completing the homework) and each of the quizzes is worth 6 points. The best 13 homeworks and the best 13 quizzes (together 156 points) will count toward your final grade. Each of the 44 daily lecture quizzes is 1 point. Each of the 4 hour exams is 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. If  $p$  is the final (relative) amount of points, the final (estimated) grade will be determined according to the following table:

F	D	C	B	A
$p < 480$ (60%)	$480 \leq p < 560$ (70%)	$560 \leq p < 640$ (80%)	$640 \leq p < 720$ (90%)	$p \geq 720$