



Dr. Martin Bohner

106 Rolla Building
Rolla, MO 65409-0020
Phone: (573)341-4129
Fax: (573)341-4741
E-Mail: bohner@umr.edu
<http://www.umr.edu/~bohner>

Mathematics 15 “Calculus for Engineers II”, Section A, Fall 2006 (Aug 21 – Dec 12).

Lecture: Monday, Wednesday, and Friday (except Sep 4, Nov 20/22/24) in CE-125 from 9 to 9:50 in the morning. Lab sessions are Tuesday and Thursday (except Nov 21/23) 8-8:50, 9-9:50, and 10-10:50 in the morning, ROLLA-G5, conducted by Vu Ong (102 Rolla Bldg) and 10-10:50 in the morning, CS-205, conducted by Lu Gan (303 Rolla Bldg). This class has a web site:

<http://www.umr.edu/~bohner/math15-06/math15.html>

Office Hours: Monday, Wednesday, and Friday in ROLLA-106 from 8 to 8:45 in the morning. 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 evening LEAD sessions are available for everybody (see <http://web.umr.edu/~bohner/math15-06/15-1c.html>) and are **mandatory** for students with grade 70% or lower. You can learn anytime whether you have 70% or lower by going to the webpage and using your clicker code.

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

Personal Response System (PRS): This class utilizes a PRS. You are responsible to purchase a responder in the UMR bookstore, to register it, and to bring it with you every class period.

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) but in any case your total points will be automatically reduced by 5 points for any absence in excess of five. If you have 3 or more absences by Oct 2, you **will** be dropped from the course. Anybody not responding to the PRS is counted as absent.

Course Coordinator: Dr. Martin Bohner (106 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. No late homework is accepted. Missed quizzes or missed PRS responses will not be made up.

Exams: There will be 4 exams in Schrenk-G3 from 5 to 5:50 in the evening on the following Thursdays: Sep 7, Sep 28, Nov 2, and Nov 30. LEAD review sessions are in Schrenk-G3 from 7 to 9 in the evening on the following Tuesdays: Sep 5, Sep 26, Oct 31, and Nov 28.

Final Exam: The final exam is comprehensive and will be on Tuesday, Dec 12 from 1:30 to 3:30 in the afternoon. If on Dec 8 you have 90% or higher and 3 or less absences with no absence after Nov 30, then 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 10 points (3 points for each of the 2 selected problems and 4 points based on the overall effort shown in completing the homework) and each of the quizzes is worth 10 points. The best 13 homeworks and the best 13 quizzes will count toward your final grade. The responses entered to the PRS are worth 140 points altogether. 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 | Quizzes | PRS | Hour Exams | Final |
|----------|---------|-----|------------|-------|
| 13% | 13% | 14% | 40% | 20% |

Altogether 1000 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 daily. 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 |
|-----------|--------------------|--------------------|--------------------|--------------|
| $p < 600$ | $600 \leq p < 700$ | $700 \leq p < 800$ | $800 \leq p < 900$ | $p \geq 900$ |