MA290(Section 1,2): Calculus for the Life Sciences (I)

Spring 2009

COURSE WEB PAGE: http://www.math.purdue.edu/ma290

Required Textbook:*Calculus for the Life Sciences,* by Marvin L.Bittinger, Neal Brand, & John Quintanilla, 2006.

Prerequisite: Consent of the undergraduate advisor.

Calculator: A **one-line, scientific** calculator with logarithm and exponential functions is required. **Graphing calculators or programmable calculators are not allowed to use**. Calculators which are capable of numerical or symbolic differentiation or integration are considered programmable and are not allowed. All graphs must be sketched by hand on graph paper.

Homework: Homework will be collected daily. No late homework will be accepted except special permission. The lowest two homework scores will be dropped.

Quizzes: There will be weekly quiz. The lowest 1 quiz score will be dropped. Only your instructor can excuse a quiz.

Exams: There are two in-class midterm exams, one evening midterm exam and a final exam. The two in-class midterm exams are written and graded by your instructor, with partial credit being possible. The evening midterm exam is a course-wide, multiple-choice, machine-graded exam written by the course coordinator. The final exam is a course-wide, 25-question, multiple-choice, machine-graded exam, also written by the course coordinator.

The dates of the midterm exams are as follows. (**Mark them on your calendar**.)

> EXAM 1: in class exam on Feb 6th.
> EXAM 2: evening exam 6:30-7:30pm on Mar 10th, location to be announced.
> EXAM 3: in class exam on Apr 15th.
> FINAL EXAM: to be announced.

If you have a class or exam conflict with Exam 2 or the Final, you should contact your instructor before the exam. You will be allowed to take an alternate exam without any penalty. If you miss any exam, contact your instructor immediately to explain your absence. You should be prepared to present documentation about your absence to your instructor. Without documentation, you may be allowed to take an alternate exam with a penalty. Only your instructor can give you permission to take any makeup exam.

GRADES: There is a total of 600 points in the course. Homework and quizzes are each worth 50 points. Each of the three mid-term exams counts 100 points, and the final exam counts 200 points. Since the only assessments common to all students and graded identically for all students are the two, course-wide exams (Exam 2 and the Final Exam), a normalization process based on them is used to determine the number of each letter grade given in a section.

The Department decides on an A-range, B-range, C-range, etc., for the combined two exams. Each instructor then gives the same number of A's, B's, C's, etc., that his section earned on the combined exams. The assignment of the letter grades is based on students' total points (a number between 0 and 600). For example, if in a particular section there are 8 A's, 10 B's, etc., on the two combined exams, the 8 students with the highest total points receive an A, the next 10 a B, and so on. If your total points is within 0-2 points of the next higher grade cut-off, your grade will be raised and no minus sign will be added. If your total points is within 3-7 points of the next highest grade cut-off, your grade will be raised and a minus will be added. If your total points is within 8-12 points of the next highest grade cut-off, a plus sign will be added. (Your grade will not be raised.)

Students with Disabilities:
Students who have been certified by the Office of the Dean of Students-Adaptive Programs as eligible for academic adjustments should go to MATH 242 with a copy with their certification letter and request an Information Sheet for this semester, that explains how to proceed this semester to get these adjustments made in Mathematics courses. This should be done during the first week of classes. Only students who have been certified by the ODOS-Adaptive programs and who have requested ODOS to send their certification letter to their instructor are eligible for academic adjustments. Students who are currently undergoing an evaluation process to determine whether they are eligible for academic adjustments, are encouraged to find out now what procedures they will have to follow when they are certified, by requesting the above mentioned Information Sheet from MATH 242. Large print versions of the Information Sheet are available in MATH 242 upon request.

OFFICE HOURS: All instructors have 2 office hours in their own office, and are open to all students of both 290b and 290c. After the first week of classes, the office hour schedules are posted on each instructor's door and on the course webpage. You are strongly urged to go to office hours if you have questions. It is the best way to get individual help.

SECTION CHANGES AND DROPS: During the first week of classes, section changes are made via Banner and no signatures are required. After that, until the end of the 9th week of the semester, see the instructor of the section you want to enter. The schedule of classes can be found on the Mathematics Department web page or at the main desk in MATH 835. If you want to drop a course during the first nine weeks of the semester, your instructor can sign your drop form. If your instructor is not available, go to MATH 835.