

**MA 23200: Calculus for the Life Sciences II**  
**Fall 2009**

**COURSE WEBPAGE:** <http://www.math.purdue.edu/ma232>

**REQUIRED TEXTBOOK:** *Calculus for the Life Sciences*, Marvin L. Bittinger, Neal Brand and John Quintanilla, 2006

**PREREQUISITE:** MA 23100 (MA 29000 Sections 1 and 2 last Spring 2009)

**CALCULATOR:** A one-line scientific calculator with logarithmic and exponential functions is required. Graphing calculators and programmable calculators cannot be used. Calculators which are capable of numerical or symbolic differentiation or integration are considered programmable and are thus not allowed.

**HOMEWORK:** Homework will be collected daily. The two lowest homework scores will be dropped at the end of the semester. No late homework will be accepted except with special permission by your instructor.

**QUIZZES:** There will be at least one quiz each week. The lowest quiz score will be dropped at the end of the semester. There will be no make-up quizzes. 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 and final exam are course-wide multiple-choice machine-graded exams written by the course coordinator. Refer to the course webpage for sample exams. The dates of the midterm exams are as follows:

- Exam 1            in-class exam (50 min) on September 18 (F)
- Exam 2            evening exam (60 min) on October 21 (W), 8 pm, WTHR 200
- Exam 3            in-class exam (50 min) on November 18 (F)
- Final Exam       (120 min), location, date and time 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**. In this case, you will be allowed to take an alternate exam without any penalty. If you miss any exam for any other reason, contact your instructor immediately to explain your absence. You should be prepared to present documentation about your absence to your instructor. Without it, you may be allowed to take an alternate exam but with penalty. Only your instructor can give you permission to take an alternate exam. Not knowing the right date, time or location of an exam is not a valid reason for missing it and will thus be imposed by a grade penalty.

**GRADES:** The course grade will be based on a total of 600 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 the *composite score* (sum of the scores for Exam 2 and the Final Exam; maximum 300 points) is used to determine the number of each letter grade given in a section:

Homework	50
Quizzes	50
Exam 1	100
Exam 2	100
Exam 3	100
Final Exam	200
<b>TOTAL</b>	<b>600</b>

1. The Mathematics Department decides on the A-range, B-range, etc., for the composite scores.
2. Each instructor then counts the number of composite scores in each range, for all students he/she is teaching.
3. After ranking all his/her students based on their total scores (maximum 600 points), he/she then gives the same number of letter grades.
4. *Example:* Suppose for the two sections an instructor is teaching, there were 8 A's, 10 B's, etc. for the *composite scores*. The students with the 8 highest *total scores* receive an A, the next 10 a B, and so on.
5. If your total score is within 2 points of the next higher grade cutoff, your grade will be raised. If your total score is within 3-7 points, your grade will be raised and a minus sign added (e.g. A-, B-, C-, D-). If it's within 8-12 points, a plus sign will be added (B+, C+, D+) to your current letter grade.

**ACADEMIC ADJUSTMENTS:** 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 MA 23100 and MA 23200 instructors have office hours in their own office, and are open to all students of MA 23100 and MA 23200. 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 (even if it's not for your instructor) if you have questions. It is one of the best ways to get individual help.

**CHEATING:** The Mathematics Department will not tolerate cheating of any sort. Grade penalties will always be imposed by the Department. All cheating cases will also be reported to the Dean of Students Office for disciplinary action (probation, suspension, or expulsion).

**SECTION CHANGES AND DROPS:** During the first week of classes, section changes are made via Banner and no signatures are required. (Email your new instructor in case he/she misses this section change; he/she might want to brief you on more specific policies for his/her classes.) From the 2<sup>nd</sup> week up to the end of the 9<sup>th</sup> week of the semester, see the instructor of the section you want to enter for the required signature. The schedule of classes can be found on the course webpage, at the main desk in MATH 835, or in Banner. If you want to drop a course during the first nine weeks, your instructor can sign your drop form. If your instructor is not available, go to MATH 835.

**LAST ADD DATE:** The last day you can add this course is Monday, September 21. Students adding at this time must take an alternate Exam 1. Students are expected to keep with the current material while studying for alternate Exam 1.

**COURSE EVALUATIONS:** During the last two weeks of the semester, you will be provided an opportunity to evaluate this course and your instructor. To this end, Purdue has transitioned to online course evaluations. On Monday of the fifteenth week of classes, you will receive an official email from evaluation administrators with a link to the online evaluation site. You will have two weeks to complete this evaluation. Your participation in this evaluation is an integral part of this course. Your feedback is vital to improving education at Purdue University. You are strongly urged to participate in this evaluation system.

**CAMPUS EMERGENCIES:** In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. To get information about any such changes in this course, please see the course webpage or email your instructor.