

**MA 23100: Calculus for the Life Sciences I**  
**Spring 2013**

**COURSE WEB PAGE:** <http://www.math.purdue.edu/ma231>

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

**REQUIRED ONLINE HOMEWORK ACCESS:** MyMathLab (MML)

Your instructor will provide you with the access code for MML.

**You do NOT need to pay for the access code this semester.**

**PREREQUISITE:** MA 15300 and MA 15400, or MA 15900

**CALCULATOR:** A scientific calculator with a **one-line** display is required. Recommended is the TI-30Xa. You may use a two-line calculator as well so long as it can NOT perform differentiation and integration. If in doubt, please double check with your instructor. Graphing calculators and programmable calculators are NOT allowed. You are allowed to use but NOT to share the approved calculators on quizzes and exams.

**HOMEWORK:** You are given daily homework assignments to complete online (except on official holidays, on exam review days, and on exams days). The **two** lowest homework scores will be dropped at the end of the semester. Late homework submission will automatically be rejected online. If you have special circumstances with valid supporting documents, please talk to your instructor for exceptions.

**QUIZZES:** Quizzes will be given frequently. The **lowest** quiz score will be dropped at the end of the semester. There will be no make-up quizzes. In extenuating circumstances, your instructor may choose to excuse you from a quiz.

**EXAMS:** There will be three evening midterm exams, and a final exam. All the evening midterm exams and the final exam are course-wide, multiple-choice, machine-graded exams. The dates of the evening midterm exams are as follows:

Exam 1	evening exam (60 min) on Tue, Feb 5 from 8:00 pm to 9:00 pm, location to be announced
Exam 2	evening exam (60 min) on Wed, Feb 27 from 6:30 pm to 7:30 pm, location to be announced
Exam 3	evening exam (60 min) on Wed, Apr 3 from 8:00 pm to 9:00 pm, location to be announced
Final Exam	during finals week (120 min), location, date, and time to be announced

If you have a class or exam conflict with any of the midterm exams or the final exam, you should contact your instructor **well before the exam**. In this case, you will be allowed to take an alternate

exam without penalty. If you miss an exam for any other reason, contact your instructor immediately and explain why you missed the exam. You should be prepared to present documentation to your instructor that supports the reason for your absence. Depending on the situation, your instructor **may** allow you to take an alternate exam. Not knowing the right date, time, or location of an exam is not a valid reason for missing it.

**GRADES:** The course grade will be based on a total of 600 points. Since the three midterm exams and the final exam are common to all students, a normalization process based on the *composite score* (sum of the scores for Exam 1, Exam 2, Exam 3, and the final exam; maximum 500 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
TOTAL	600

1. Each student's Exam 1, Exam 2, and Exam 3 scores and the final exam score will be added together, to form a *composite score* (out of a maximum of 500 points).
2. The Mathematics Department will decide on the "A" range, "B" range, etc., for the composite scores.
3. Your instructor will count the number of composite scores for his/her students which are in the "A" range, "B" range, etc.
4. For course grades, your instructor will assign a number of "A"s, "B"s, etc, equal to the number of "A"s, "B"s, etc. earned as the composite scores. However, the final grades will be assigned based on *total score* (out of the 600 points as listed in the table above).
5. *Example:* Suppose that, among your instructor's students, there are 8 "A"s, 10 "B"s, etc. for the *composite scores*. Then the students with the 8 highest *total scores* will receive an "A"; the students with the next 10 highest total scores will receive a "B"; and so on.
6. If your total score is within 2 points of a grade cutoff, your grade will be raised to the higher grade. If your total score is within 3-7 points of a grade cutoff, your grade will be raised and a minus sign added (that is, you will earn an A-, B-, C-, or D-). If your total score is within 8-12 points of a grade cutoff, a plus sign will be added to your grade (that is, you will earn a B+, C+, or D+).

**Accommodations for Students with Disabilities:** The Department of Mathematics offers alternative testing environments for students who are registered with the Disability Resource Center. Students who need accommodations must deliver a copy of their Accommodation Notification Memorandum to the Undergraduate Services Office (MATH 242) and request an information sheet for their course.

Memorandums should be delivered to the Undergraduate Services Office (MATH 242) within one week of receipt from the Disability Resource Center.

The Information Sheet explains the process for receiving exam accommodations for your mathematics course. Enlarged copies of the information sheets are available upon request. Students currently

undergoing evaluation through the Disability Resource Center should also request an information sheet from the Undergraduate Services Office (MATH 242).

**OFFICE HOURS:** All MA 23X00 instructors hold two office hours a week in the Math Help Room (MATH 205), except that the course coordinator holds her office hours in her office (MATH816). These office hours are open to all MA 23X00 students. While holding office hours in the Math Help Room, MA 23X00 instructors are open to help students taking other courses as well. Similarly, students of MA 23X00 are encouraged to seek help from other instructors/tutors in the Math Help Room when necessary. After the first week of classes, the office hour schedules will be posted on each instructor's door and on the course web page. You are strongly encouraged to go to office hours if you have questions. It is one of the best ways to get individual help.

**CAMPUS EMERGENCY PROCEDURE:** 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. Announcements regarding campus emergencies will be sent via course-wide emails and posted on the course web page ([www.math.purdue.edu/ma231](http://www.math.purdue.edu/ma231)).

**ACADEMIC DISHONESTY:** The Mathematics Department will not tolerate academic dishonesty of any sort. If academic dishonesty occurs, then grade penalties will be imposed, possibly to the extent of an "F" in the course. Additionally, all cases of academic dishonesty will be reported to the Office of the Dean of Students for disciplinary action (which may include probation, suspension, or expulsion).

**SECTION CHANGES AND DROPS:** During the first week of classes, section changes are made via Banner within myPurdue, and no signatures are required. From the second through ninth weeks 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 web page, at the main desk in MATH 835, or in Banner. If you want to drop this course during the first nine weeks of the semester, then 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 Tues, Feb 19. Students adding at this time must take an alternate Exam 1. Students are expected to keep up with the current material while studying for the alternate Exam 1.

**COURSE EVALUATIONS:** On Monday of the fifteenth week of classes, you will receive an official email from evaluation administrators with a link to online course evaluations. You will have two weeks to complete this evaluation. You are strongly encouraged to participate—your feedback is vital to maintaining and improving the quality of education at Purdue University.