92.129   Calculus 1B   Fall 2012 and Spring 2013

Calculus 1B is the second semester of the two-semester Calculus 1A/1B course

Course web-site: http://faculty.uml.edu/Charles_Ormsby/Calculus_1B_Web/

Class schedule: 50 minutes, four days per week, either MTuWF or MWThF

Prerequisite: Passing grade in Calculus 1A

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Contact information and office hours will be provided at the first class meeting and posted on the course web site.

Textbook: _University Calculus,_ by Hass, Weir, and Thomas / Pearson, 3rd Custom edition (Blue cover). Pearson has published a special version of _University Calculus_, just for UML, which includes Chapters 1-3 of a precalculus text by Dugopolski.

Homework assignments: Homework will be of two types – OnLine assignments using **MyMathLab**™ (course ID: **ormsby71875**)and supplementary problems assigned from the textbook (instructor option).

MyMathLab™ (MML) is an on-line homework application provided through the CourseCompass™ web site sponsored by Pearson-Addison Wesley. MML assignments will consist of 10-20 problems for each section of the textbook (averaging ~15 problems per week). If you enter an incorrect answer into MML you will be alerted and you will be allowed additional attempts to answer each problem. Your efforts on these problems will be tracked and graded by the MML system.

> **IMPORTANT MML NOTICE:** You are required to create a notebook containing your solutions (hand written and separable by assignment) to the MML problems. Your instructor will occasionally require that this notebook be submitted for review/grading.

> Each **MML** assignment will be available online until shortly after the corresponding section(s) in the text has been covered in class. Ensuring that assignments are completed by the posted date/time will be the responsibility of the student. **Extensions will not be granted.** HINT: The due dates for these assignments often fall after the corresponding quizzes are administered in class. Completing these BEFORE the quizzes requires no additional work and has the added benefit of raising your quiz scores.

Textbook-based assignments: Additional textbook problems may be suggested by your instructor. Each instructor will set their own policy regarding collection and checking/grading of any additional exercises. Regardless of the policies of individual instructors, students should understand that mastery of the material covered in this course requires **a minimum of three hours of study and problem solving for each 50 minute class period.** Less effort than this will almost certainly be reflected in a low grade. Many students will require even greater effort to ensure success.

Memorization track: Success in mathematics requires that a core set of relationships be at your fingertips (either memorized or easily derived) and available when needed to solve problems. For this reason, a scheduled set of "memorization" requirements are posted on the course web-site and it is the student's responsibility to ensure that they know these facts/formulas without reference to their text or notes. **Knowledge of these relationships will be presumed when quizzes/tests are prepared and administered.**

In-class Quizzes: There will typically be one or two short, in-class quizzes each week. Quizzes will generally consist of a question on the "memorization" material plus problems that are straight-forward applications of the material being taught. If you keep up with the memorization track requirements, read your text, study the material presented in each class, <u>and</u> successfully complete your **MyMathLab**™ assignments in advance of the quizzes, you should do well on these quizzes.

Exams: There will be two, 1-hour exams during each semester plus a 2-hour final exam at the end of the semester. **NO ELECTRONIC DEVICES OR NOTES WILL BE ALLOWED ON ANY EXAMS.** The two exams scheduled during the Spring semester will be given at a **common time** for all sections **outside** of regular class hours. Exam dates and times will be announced early in the semester so you can ensure that these times are free of conflicts. You must make these times and dates. **If you have any conflicts (with work, etc.) you must address them now. If you miss either of these exams without an official excuse, you will not be able to make them up.** Exams for off-semester courses (e.g., 1B for the Fall semester) are scheduled independently by each instructor and conducted during normal class hours.

Grading: Your final numeric grade will be a weighted combination of the grade provided by your instructor (G_{Instr}, based on quizzes and graded homework), your two exam grades (E_1 and E_2), your final exam grade (FE), and your MML grade as follows:

$$\textbf{Final Numeric Grade} = 20\%\,G_{Instr} + 20\%\,E_1 + 20\%\,E_2 + 30\%\,FE + 10\%\,MML$$

An additional 5% will be added to your final grade if your MML score is at or above 90%.

Therefore, your **MyMathLab**™ grade can swing your numeric grade by a total of 15 points. There will be **NO ADDITIONAL SCALING**.

Your final letter grade is then determined using the following table based on your numeric grade.

Numeric Grade	[0,55)	[55,59)	[59,63)	[63,67)	[67,71)	[71,75)	[75,79)	[79,84)	[84,89)	[89,94)	[94,100]
Letter Grade	F	D	D+	C-	C	C+	B-	B	B+	A-	A

Advice: Striving to get a 100% **MyMathLab**™ grade is an excellent strategy for succeeding in this course. This strategy will help you two ways: First, it will raise your In-Class Grade by helping you raise your quiz and exam grades AND, second, it will contribute 15 points to your final numeric grade.

Course Schedule: The nominal schedule for presentation of course material in class is provided on the course web site. Note that several sections in your textbook are skipped and/or covered out of order. The pre-calculus material from Dugopolski Chapters 1-3 (included in your textbook) is used as supporting material as indicated. This schedule is prescribed on a week-by-week basis, instead of day-by-day, to give individual instructors some flexibility to respond to the needs of each class. That being said, the exams will cover the material as indicated in the schedule, so a premium will be placed on meeting those intermediate way-points.