

MAT 142, HONORS CALCULUS, SPRING 2003

Course web page: http://www.math.sunysb.edu/~mde/142S_03/142S_03.html

CHECK THE WEB PAGE FREQUENTLY!!!

Changes to this syllabus are possible: they will be announced in class and/or during recitations and, if appropriate, on the web page. Students are responsible for announcements made in class and/or in recitations and/or on the web-page.

PREREQUISITES: C in MAT 141 or B in MAT 131 or AMS 151 or Math Plac Exam Level 7. There will be a placement test on TU JAN 28.

LECTURES: TU and TH 2:20pm - 03:40 pm, Psychology A 146; M. de Cataldo.

RECITATIONS: Rec 01 MF 12:40pm- 1:35pm, S B UNION 237; D. An.

COURSE OUTLINE. MAT 142 is the second semester of the two-semester calculus sequence MAT 141, 142. We will study differential and integral calculus with emphasis on the underlying *theory* of calculus. We will often need to use trigonometric, exponential and logarithmic functions.

TEXTBOOK: *Thomas's Calculus, early transcendentals*, by Finney, Weir and Giordano, Addison Wesley, 2001.

SYLLABUS: We will cover all sections between 5.4-8.10, included, excluding 6.4 and 7.5. (This is subject to change). A day-by day syllabus is available on the course's web-page. You should regard reading the relevant sections of the textbook as an implicit part of each homework. Try not to regard the text as a resource to turn to only if you get into trouble with the homework problems. You are responsible for all material in the sections above (unless explicitly told otherwise) even if it is not covered in lectures or recitations. It is highly advisable to **read the relevant section before each class**.

MAT 142 STAFF, OFFICES AND OFFICE HOURS. See the web-page.

GRADE: Midterm I = 25%, Midterm II = 25%, Final= 30%, Homework = 10%, Quizzes = 10%. Maximum scores: Midterms 1 and 2: 250pts each; each homework: 10pts (the best ten are used to grade); each quiz: 25 pts (the best four are used to grade); Final 300pts. Total maximum: 1000pts. The numerical grade will be converted to a final letter grade only AFTER the final test has been graded. However, after each midterm an *approximate* letter grade will be given to you.

SCHEDULE OF EXAMS

142-Placement-Test: , TU JAN 28, in class. Only for who did not take and pass MAT 141 last year.

Midterm I: TU MAR 4, in class.

Midterm II: TU APR 15, in class.

FINAL: TU MAY 20, 2:00-4:30pm (place to be announced).

IMPORTANT. You must bring your SUNY ID to the exams. There will be no make-ups for missed exams, homework and quizzes. However, if you miss an exam for an acceptable and documented reason, then the relevant mid-term will be 'dropped' (ignored) in computing your course grade. A letter stating that you were seen by a doctor or other medical personnel is NOT an acceptable document, unless it states that it was reasonable/proper for you to seek medical attention and medically necessary for you to miss the exam (for privacy reasons this note/letter need not state anything beyond this). Incompletes will be granted only if documented circumstances beyond your control prevent you from taking the final exam.

HOMEWORK: Assigned weekly by the T.A. during your recitation and also posted on the web. Due the following week during your recitation. Only some of the problems will be graded, but which ones will not be announced in advance. **Late homework will not be accepted. No exceptions.**

QUIZZES: Quizzes will be given and returned graded once or twice a month during recitations. The dates will be announced during recitations.

CALCULATORS: Calculators, books, notes etc. are not allowed during exams. If you need to bring a backpack etc. to an exam, you must place it, all pockets and flaps closed in plain sight of the proctors. If you need to open it (for example if you need a pen) ask the proctors first.

CONTACTING THE INSTRUCTOR AND/OR THE TEACHING ASSISTANT. The best way is to approach us after the lectures/recitations or to see us during office hours. You may use e-mail, but it is less efficient. E-mail is not, however, a good way to ask math questions, as our typing abilities are very limited. After the course is over, if you have any questions about your final grade send a letter (not an e-mail) to your instructor, c/o Dept. Math, SUNY Stony Brook, Stony Brook N.Y. 11794-3651. You will receive a written reply. These matters will be dealt with in writing only; that way, we have a written record of what the student says, and what we reply.

ETIQUETTE. Punctuality: no late arrivals, no early departures: they are disruptive. If, occasionally, you need to arrive late and/or leave early, let me know beforehand. **Silence:** it is always a good rule and even more important for us since it is a big class; do show respect to other fellow students by not disturbing the class. **NO CELLULAR PHONES. NO FOOD.**

SPECIAL NEEDS. If you have a physical, psychiatric, medical, or learning disability that may affect your ability to carry out the assigned course work, please contact the office of Disabled Student Services (DSS), Humanities Building, room 133, telephone 632-6748/TDD. DSS will review your concerns and determine, with you, what accommodations are necessary and appropriate. All information and documentation of disability is confidential.