MAT 141, HONORS CALCULUS, SECTIONS 1-2, FALL 2002

Course web page: http://www.math.sunysb.edu/~mde/141F_02/141F_02.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. They should also check the web-page periodically.

LECTURES: Mon and Fri 12:40pm - 02:00 pm Old Chem 144; de Cataldo.

RECITATIONS: **Rec 01** Tue and Thu — 11:20 am - 12:15 pm Stony Brook Union Room 214; Daniel An. **Rec 02** Tue and Thu — 05:30 pm - 06:25 pm Chemistry Building Room 124; Daniel An.

OTHER DATES:

– Sept 17, Tue — Students follow a Monday schedule (we meet).

– Sept 17, Tue — Last day to Add/Drop and change sections.

– Oct 18, Last Day for a Switch from MAT 122, 123, 124, 125, 126, 127, 131, 141, 142 to a lower Numbered MAP or MAT Course.

– Dec. 13, Fri — Last day of class.

– Dec. 20, Fri — Semester ends.

COURSE OUTLINE. MAT 141 is the first 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. You should familiarize yourself again with these by the end of the first two lectures by using Section P of the textbook.

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

PREREQUISITES: Level 5 on the Mathematics Placement Examination. This exam will be given on several dates in September. Check the Math Undergraduate Office (P-144 Math Tower, phone 2-8250) for times and places. There will also be an in-class 141-Placement-Test on Friday Sept 13.

SYLLABUS: We will cover sections P1-P6, 1.1-1.5, 2.1-2.9 (only the formulas in 2.8), 3.1-3.6 (not 3.4), 4.1-4.7 (not 4.3), 5.1-5.3. A week-by-week syllabus will be 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.

MAT 141 STAFF.

Instructor. Mark de Cataldo (Lec 01-02) : Office: MATH 3-115; Phone: 2-8262;
e-mail: *matinstr@yahoo.com* Office hours: Mo 10-11 am, Math Tower 3-115; Fr 9-11 am, place Math Tower P-143.

Teaching Assistant. Daniel An (Rec 01/02) : Office: 2-107 Math Tower;
e-mail: *danan@math.sunysb.edu* Office hours: TBA.

GRADE: Midterm I = 20%, Midterm II = 20%, Final= 40%, Homework = 10%, Quizzes = 10%. Maximum scores: Midterms 1 and 2: 200pts each; each homework: 10pts (the best ten are used to grade); each quiz: 25 pts (the best four are used to grade; final 400pts. 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

141-Placement-Test: Fr Sept 13, in class.

Midterm I: Mo Oct 14, in class.

Midterm II: Mo Nov 18, in class.
FINAL: Fr Dec 20, 11 am - 1:30 pm (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.