

## **MATH U141 Calculus I – Spring 2008 Information**

Instructor: **Dr. Margolina**

Best contacted by email at [wilshak14@gmail.com](mailto:wilshak14@gmail.com)

MWTh 1:35pm-2:40pm at 178F WV

**Text:** Hughes-Hallett et al, *Applied Calculus*, 3rd ed. (2006)  
ISBN #10:0-471-68121-0, John Wiley & Sons.

**Class Packet:** Will be available from Reprographics Copy Center, behind the bookstore.

**Rough outline:** We will study Chapters 1-5 and parts of Chap 7,10 of the text.

**Graphing Calculator:** You will need access to a graphing calculator equivalent to TI-82, TI-83, **TI-85**, or TI-86 (latter three are best). Some functions on the TI-89 or 92 or other symbolic differentiation/integration calculators are not allowed on quizzes or exams.

**Class:** Cell phones, portable computers, etc should be off while in class; if there is some emergency needing an exception, please let me know in advance.

**Class Website:** All announcements and homework assignments will be made in class; they can also be found on the website <http://amargolina.blogspot.com>

**Homework:** I will occasionally spot-check current homework and/or worksheets and mark it +/-.

**Extra Credit HW grade:** At the final exam, you may pass in your collected HW (either separately, or in a notebook), and I will assign an extra credit HW grade.

**Reading assignments:** You will be asked to read chapters in advance of our class discussion of them. Please prepare questions for discussion.

**Groups:** I will assign (and reassign) work groups of about 3 persons; your group will be responsible for certain class work assignments. This is intended to help in your learning through your sharing questions, problem solving, and knowledge.

**Grading:** There will be two hour exams counting 20% each. Quizzes and homework will comprise 20% of the grade. There will be no quiz makeup, but you may drop one quiz. There will be three or four quizzes. The final exam will count 40%, or 50% if it helps your grade (with proportional change in the other components).

**Final Exam:** Two hours, required of all: when the date of the final is set, it will be posted by the Registrar, and announced in class. Contact the Registrar in first 2 weeks of class if you have a conflict, or if 3 finals are scheduled for the same day.

**Attendance Policy:** Your regular attendance is expected, and is needed by others when we work in groups. It is your responsibility to know assignments and other class information, including any changes to the syllabus the instructor may make and announce in class. Students are responsible for all information given, even when they are absent. To assist you, the website will contain the current updates.

**Unexcused absences** beyond four may lead to a W or F in the course, or will lead to a deduction of 0.5% each from the course grade, at the discretion of the instructor. Attendance will be taken normally by sign up sheet, collected at about five minutes past the hour; students arriving more than 5 minutes late may be marked late, which will be counted as a half absence for the policy. Regarding lateness, please feel free to come to the class in any case, and let me know if there is a problem beyond your control. If you need to leave early, I appreciate being told at the start of class, if possible.

**Contact info for Dr. Margolina:** Office: TBA; e-mail: [wilshak14@gmail.com](mailto:wilshak14@gmail.com)

**Office Hours:** MTh 12:45 – 1:30pm and by appointment.

**To talk to someone else:**

Prof. Anthony Iarrobino, Course Coordinator,  
Mathematics Dept. 526NI x5524, [a.iarrobino@neu.edu](mailto:a.iarrobino@neu.edu),  
or

Prof. Alex Martsinkovsky, Math Dept Undergraduate Director,  
471 Lake, x 5510, [alexmart@neu.edu](mailto:alexmart@neu.edu) .

**Free tutoring:**

Mathematics Tutorial Center, 540B Nightingale (x2328). All tutoring is done on a first come first served basis. Students must come in person to schedule appointments. Tutoring begins about January 21. Usual hours:

MTuWed 9:15 AM-8PM, Thurs 9:15 AM-4PM, Fri 9:15 AM-12:45 PM.

**Academic Honesty:** It is fine to work together doing homework (studies have shown this can be particularly helpful in learning math), provided such assistance is acknowledged specifically in any work passed in, and that you understand what you pass in. Collaboration on quizzes and exams is not allowed, unless I make a specific exemption for a quiz, announced in advance.

**Student Code of Conduct:** see <http://www.northeastern.edu/osccr/academichonesty.html> or Student Handbook 2007-2008 p. 38-39.

" Essential to the mission of Northeastern University is the commitment to the principles of intellectual honesty and integrity.

Academic integrity is important for two reasons. First, independent and original scholarship ensures that students derive the most from their educational experience and the pursuit of knowledge. Second, academic dishonesty violates the most fundamental values of an intellectual community and depreciates the achievements of the entire University community.

Accordingly, Northeastern University views academic dishonesty as one of the most serious offenses that a student can commit while in college."

The website/handbook goes on to detail examples.

In Math U141, academic dishonesty on a quiz or exam, or assignment leads to a zero on the quiz or exam or assignment, that cannot be made up, as well as a letter detailing the incident to the Office of Student Conduct and Conflict Resolution. The minimum penalty for a finding of academic dishonesty by the student Judicial Hearing Board includes one year disciplinary probation.

**Incomplete grade:** requires a written understanding (contract) between the Instructor and student with details about what material will be made up and how. Incompletes are normally appropriate only for a student who is doing well, but becomes ill, or has a family emergency late in the semester.

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**Additional Resources**

**Popular books:** David Berlinski *A Tour of Calculus* (Vintage Books, 1997)

J.S. Bardi *The Calculus Wars: Newton, Leibniz, and the Greatest Mathematical Clash of All Time* (Thunder's Mouth Press, 2006)

**Websites and portals:**

History of calculus [http://www-groups.dcs.st-and.ac.uk/~history/HistTopics/The\\_rise\\_of\\_calculus.htm](http://www-groups.dcs.st-and.ac.uk/~history/HistTopics/The_rise_of_calculus.htm)

<http://www.mhhe.com/math/calc/smithminton2e/cd/tools/timeline/>

Online tools <http://ocw.mit.edu/OcwWeb/Mathematics/18-013ASpring-2005/Tools/index.htm>

<http://integrals.wolfram.com/index.jsp>