MATH 1272, CALCULUS II, SUMMER 2012

Course Information
Lecture 003, 1:25 PM - 3:20 PM, Mon - Fri, 06/11/2012-08/03/2012
STSS 121, East bank.
Textbook: James Stewart, Calculus: Early Transcendentals, 7th Ed., Vol 1

Instructor: Shannon Negaard
Office: 555 Vincent Hall
Email: nega0024@umn.edu
Phone: 612-624-2527
Office Hour: 11:15AM - 12:05PM (T, F), 3:35PM - 4:25PM (M, T, TH)
Website: [www.math.umn.edu/~nega0024](http://www.math.umn.edu/~nega0024)

Grading Policy
Grades will be based on quizzes, three midterm exams, and a final exam.

- Quizzes: 2% × (12 - 2) = 20%
- Midterms: 15% × 3 = 45%
- Final: 35%

More information is given below.

Homework
There is a list of suggest homework problems at the end of this Syllabus. Although they will not be collected or graded, you are encouraged to finish as many as you can since it should be good preparation for quizzes and exams. Indeed, all quiz problems are chosen from this list of homework problems (of course, with certain small changes).

Quizzes
Quizzes are given at a frequency of either once a week (when there is an exam) or twice a week (when no exam is given). Your two lowest quiz scores will be dropped. There will be NO makeups of quizzes. Therefore, avoid missing classes!

Exams
Midterm exams will be given on the Friday of each second week. It is a fifty minute exam. The content covered in each midterm exam will be announced before it. There will be NO makeups of midterms. Under exceptional circumstances, and with the approval of the instructor, at most ONE missed midterm exam may be excused. In this case, the average of the remaining two midterms will count as the total midterm score.

The final exam will be given on the last Friday (Aug. 3). It is a two hour test. You can take the final exam ONLY at that time.
All exams are closed books and notes.

Calculators

Only scientific calculators can be used. Switch your cell phone to silence mode before the class begins!

Tentative Schedule And Suggested Homework Problems

June
11: Sec. 7.1: 5, 9, 11, 17, 21, 31, 35, 41, 63
12: Sec. 7.2: 1, 7, 13, 21, 33, 41, 47, 57
13: Sec. 7.3: 5, 7, 11, 15, 19, 21, 23, 29, 31(a)
14: 7.3 (Cont’d)
15: Sec. 7.4: 7, 9, 13, 17, 19, 23, 27, 35, 39
18: Sec. 7.5: 1, 5, 11, 17, 21, 27, 39, 43, 47
19: Sec. 7.8: 1, 5, 9, 13, 21, 25, 35, 49, 53, 63
20: 7.8 (Cont’d)
21: Sec. 8.1: 7, 9, 13, 15, 19, 33
22: Midterm Exam 1, 8.1 (Cont’d)
25: Sec. 8.2: 5, 7, 9, 13, 15, 31, 33
26: Sec. 9.1: 1, 3, 5, 7, 9, 11, 15(a),(c); Sec. 9.2: 3, 5, 11, 19, 21
27: Sec. 9.3: 3, 7, 13, 17, 19, 45, 47
28: Sec. 9.4: 1(a),(b), 3, 5, 7, 9; Sec. 9.5: 7, 9, 13, 15, 33
29: Sec. 10.1: 3, 7, 9, 11, 15, 23, 25, 27

July
2: Sec. 10.2: 1, 3, 5, 7, 13, 17, 21, 31, 33, 43, 61
3: Sec. 10.3: 5, 11, 17, 19, 21, 31, 39
4: NO CLASS
5: Sec. 10.4: 1, 5, 9, 11, 17
6: Midterm 2 (up to 10.3), 10.4
9: Sec. 11.1: 3, 9, 13, 15, 23, 25, 33, 41, 47; Sec. 11.2: 1, 3, 7, 15, 17, 23, 29, 33, 39, 43, 47, 51, 59, 61
10: Sec. 11.2 (Cont’d); Sec. 11.3: 1, 3, 7, 11, 15, 23, 27, 29, 37(a),(d), 39
11: Sec. 11.4: 1, 3, 7, 15, 17, 19, 27
12: Sec. 11.5: 5, 9, 17, 19, 27, 33
13: Sec. 11.6: 1, 3, 5, 11, 15, 21, 25, 29, 31, 35, 39; Sec. 11.7: 7, 13, 17, 19, 23, 25, 35
16: Sec. 11.8: 3, 5, 7, 11, 17, 19, 21, 23, 29
17: Sec. 11.9: 1, 3, 9, 11, 13, 15
18: Sec. 11.10: 1, 3, 5, 7, 13, 15, 17, 19, 21, 31, 33, 43, 63, 65
19: Sec. 12.1: 1, 3, 5, 7, 9, 11, 17, 21, 23, 25, 27, 31
20: Midterm 3 (up to 11.10)
23: Sec. 12.2: 9, 11, 15, 17, 19, 21, 23, 25, 29, 33, 35
24: Sec. 12.3: 3, 7, 13, 17, 21, 23, 25, 27, 29, 41, 43, 45, 51
25: Sec. 12.4: 1, 3, 5, 9, 11, 15, 19, 27, 33, 37, 39
26: Sec. 12.5: 1, 5, 9, 11, 13, 19, 23, 25, 31, 45, 51, 61

4the answer should be D (diverges).
27: Sec. 13.1: 1, 3, 7, 17, 21, 23, 25, 27, 41
30: Sec. 13.2: 3, 5, 9, 13, 17, 21, 23, 27, 35
31: Sec. 13.3: 1, 5, 11, 17, 21

**August**
1: Buffer day - in case things take longer
2: Review
3: Final (cumulative) Exam

**Common Office Hours**
You are welcome to stop by offices of the following lecturers during their office hours:

Lecture 001, 09:05 AM. - 11:00 AM, KHKH 3-111, East Bank
*Instructor:* Christopher Kim
*Office:* 503 Vincent Hall
*Email:* cmkim@umn.edu
*Phone:* 612-624-7890
*Website:* [www.math.umn.edu/~kimx1385](http://www.math.umn.edu/~kimx1385)

Lecture 002, 11:15 AM. - 1:10 PM., KHKH 3-115
*Instructor:* Jeff Cruse
*Office:* 520 Vincent Hall
*Email:* crus0020@umn.edu
*Phone:* 612-624-2329
*Office Hours:* 8:30 AM. - 9:30 AM. (W, F), 3:00 PM. - 4:00 PM. (T)
*Website:* [www.math.umn.edu/~crus0020](http://www.math.umn.edu/~crus0020)

Lecture 002, 2:30 PM. - 4:25 PM., STSS 117
*Instructor:* Liping Li
*Office:* 504 Vincent Hall
*Email:* lixxx480@math.umn.edu
*Phone:* 612-624-1543
*Website:* [www.math.umn.edu/~lixxx480](http://www.math.umn.edu/~lixxx480)
*Office Hour:* 1:25PM - 2:15PM, Mon - Fri

**Grade Definitions**
A—Represents achievement that is outstanding relative to the level necessary to meet course requirements

B—Represents achievement that is significantly above the level necessary to meet course requirements

C—Represents achievement that meets the course requirements in every respect

D—Represents achievement that is worthy of credit even though it fails to meet fully the course requirements

F—Represents achievement below the level worth of earning credit

Scholastic Dishonesty

Scholastic dishonesty means plagiarizing; cheating on assignments or examinations; engaging in unauthorized collaboration on academic work; taking, acquiring, or using test materials without faculty permission; submitting false or incomplete records of academic achievement; acting alone or in cooperation with another to falsify records or to obtain dishonestly grades, honors, awards, or professional endorsement; altering, forging, or misusing a University academic record; or fabricating or falsifying data, research procedures, or data analysis.

Scholastic dishonesty will not be tolerated. If caught doing any of the above, students may be subject to full allowable punishment, as established by the University of Minnesota policy.

Policy on Late Work

Late work will not be accepted for any credit. Exceptions will be made as required by university policy. These special circumstances should be arranged with a TA before the assignment or quiz is due. This includes all university sanctioned activities. Emergency situations and unexpected absences will be decided on a case-by-case basis by the TA and course instructor.

Electronic Devices

It is the policy of this instructor that electronic devices are distracting, not only to the person using them, but to their neighbors and to the person teaching. If personal electronic devices, other than calculators, audio recorders, or computers are used in class, they are subject to confiscation by the TA or lecturer until the end of the class period. Students may also be asked to put away personal computers if they are engaged in activities not directly related to the course material, and especially if they are drawing the attention of other students.

Use of Class Notes
My own personal view on class notes is this: if I have decided something is important enough to write it on the board, you should write it in your notebook. If your TA writes something on the board, it is important enough to be written in your notebook. I am also not averse to the use of personal audio recorders, should you wish to use them. Looking through notes is a great study tool, but just the act of writing the notes helps one retain more information than passively sitting and listening.

Now for the university policy: The faculty of the University encourages students to take and share notes in their classes, laboratories, and the many other instructional settings in which they participate as they pursue their education at the University. Taking notes is a means of recording information but more importantly of personally absorbing and integrating the educational experience. The faculty recognizes that collaborative note-sharing and discussion helps students learn.

There is more to this policy, including restrictions on what students can do with notes. For the rest of this policy, please see the university website:

http://policy.umn.edu/Policies/Education/Education/CLASSNOTESSTUDENTS.html.

Student Responsibilities

1. Satisfying prerequisites: Students should not register for courses in which they lack the prerequisites unless they have permission from the instructor.

2. Responsibility for class work: Students are responsible for knowing all information contained in the syllabus. Students are responsible for meeting all course requirements, observing all deadlines, examination times, and other course procedures.

3. Attending class:
   a) Students are expected to attend all meetings of their courses. They may not be penalized for absence from class, however, to participate in religious observances, for approved University activities, and for other reasons in accordance with the policy on Makeup Work for Legitimate Absences. Students should notify instructors as soon as possible about such absences.
   b) Students must attend the first class meeting of every course in which they are registered unless (1) they obtain approval from the instructor before the first meeting or (2) they provide notice to the instructor they must miss class because of a recognized religious holiday (see the policy on Mandatory Attendance at First Class Session and Consequences for Absence). Otherwise, they may lose their places in class to other students. (See Administrative Policy: Mandatory Attendance at First Class Session and Consequences for Absence: Twin Cities, Crookston, Morris, Rochester).
   c) Students are responsible for being on time and prepared for all class sessions.

4. Maintaining academic integrity: Students are expected to do their own assigned work. If it is determined that a student has cheated, he or she may be given an "F" or an "N" for the course, and may face additional sanctions from the University. (See Board of Regents Policy: Student Conduct
5. Seeking help and accommodation:
   a) Students are responsible for seeking academic help in a timely fashion.
   b) Students who need special accommodations are responsible for working first with the relevant University offices and then with the instructor at the beginning of the course.

6. Respecting intellectual property: Students must abide by the provisions of the policy Appropriate Use of Class Notes and Course Materials.

7. Keeping classroom in good order: Students may be responsible for helping straighten up a classroom at the end of a class period, if requested to do so by the instructor. Keeping a classroom in good order includes taking away or disposing of everything one came in with, such as pop cans/bottles, food containers/wrappers, newspapers, etc. Students must also not deface or damage classrooms or classroom furniture or equipment.

8. Guests may not be brought to class without permission from the instructor.

**Sexual Harrassment**

Sexual harassment means unwelcome sexual advances, requests for sexual favors, and/or other verbal or physical conduct of a sexual nature when:

1. submission to such conduct is made either explicitly or implicitly a term or condition of an individuals employment or academic advancement in any University activity or program;
2. submission to or rejection of such conduct by an individual is used as the basis of employment or academic decisions affecting this individual in any University activity or program; or
3. such conduct has the purpose or effect of unreasonably interfering with an individuals work or academic performance or creating an intimidating, hostile, or offensive working or academic environment in any University activity or program.

**Equity and Diversity**

The following principles shall guide the commitment of the University of Minnesota (University) to equity, diversity, equal opportunity, and affirmative action:

a) Consistent with its academic mission and standards, the University is committed to achieving excellence through equity and diversity.

b) A diverse student body enhances the academic and social environment for all students and prepares students to thrive in an increasingly diverse workforce and society.

c) Equal educational access is critical to preparing students for the responsibilities of citizenship and civic leadership in a heterogenous society.

d) As a community of faculty, staff, and students engaged in research, scholarship, artistic activity, teaching and learning, or the activities that support them, the University seeks to foster an environment that is diverse, humane, and hospitable.
e) In partnership with community groups, the University is committed to serving the state, the nation, and the world through its outreach and public service.

The University shall:

a) provide equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression;

b) advocate and practice affirmative action consistent with law, including the use of recruiting and search processes to enhance participation of racial minorities, women, persons with disabilities, and protected veterans;

c) establish and nurture an environment for faculty, staff, students, and visitors that actively acknowledges and values equity and diversity and is free from racism, sexism, ageism, homophobia, and other forms of prejudice, intolerance, or harassment;

d) provide equal educational access to members of underrepresented groups and develop affirmative action admission programs, where appropriate, to achieve the University’s educational mission; and

e) promote and support equity and diversity through its academic programs, its employment policies and practices, its delivery of services, and the purchase of goods, materials, and services for its programs and facilities from businesses of the diverse communities it serves.

The president or delegate shall set performance goals consistent with this policy and law; remedy any discriminatory practice that deviates from this policy; and assess and reward the performance of individuals and units using the University’s critical measures for the equity and diversity performance goals as part of the University’s planning and budgeting process.

Stress Management and Mental Health Resources

The university provides students with access to mental health care. This includes counseling and stress management training. Please visit http://www.uccs.umn.edu/ to learn more about the services offered.

Academic Freedom and Responsibility

Academic freedom is the freedom, without institutional discipline or restraint, to discuss all relevant matters in the classroom, to explore all avenues of scholarship, research, and creative expression, and to speak or write on matters of public concern as well as on matters related to professional duties and the functioning of the University.

Academic responsibility implies the faithful performance of professional duties and obligations, the recognition of the demands of the scholarly enterprise, and the candor to make it clear that when one is speaking on matters
of public interest, one is not speaking for the institution.