

Syllabus for Math 1020 Sections 15-18 Spring 2007 TWF 12:00-12:50 DCC #324

Instructor: Professor J. Silver

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Office hours: Tuesdays 11-11:30; Fridays 9:30-10:00 (or by appointment) Amos Eaton 329

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PLEASE TURN OFF ALL CELL PHONES DURING CLASS TIME.

If there is a student with a disability in this class who requires accommodations, please feel free to come and discuss this with me. I will need a copy of the letter provided to you from the Dean of Students.

Use of Calculators: Calculators are not permitted during quizzes and tests. You will not be given problems that require the use of a calculator; however, you will be required to know certain trigonometric function values and identities.

Required Text: Calculus: Early Transcendentals, 5th edition, by James Stewart.

Lectures: During lectures on Tuesdays, Wednesdays and Fridays, new material will be covered. This class will require plenty of note-taking, as numerous definitions and example problems will be presented. I strongly suggest that you attend all lectures and take good notes.

Recitation: Once a week, you will meet with the Teaching Assistant (TA) assigned to your section. This class time will focus primarily on the review and practice of the suggested homework problems. You may also ask other questions pertaining to the lecture notes, etc.

Calculus Skills Session: Once a week, you will meet with the undergraduate Calculus Skills Assistant (SA) assigned to your section. This class time will focus primarily on the review and practice of the Calculus Skills No Partial Credit (CSNPC) problems that you will be quizzed on throughout the semester. You may also refer to the web page for Calculus Skills at <http://calculus.math.rpi.edu/index.html>. Your SA may also use this class time to review some of the suggested homework problems.

Exams: There will be four exams and one final exam. All exams are closed-book, and calculators are not allowed. Just bring something to write with. The four exams will be comprised of problems which are *just like* the problems from the suggested homework and from the examples I give during lectures. Again, I suggest that you take careful notes and do all of the suggested homework. Partial credit can be earned on some of the questions on these exams. Please be neat, so that your work can be followed.

Final Exam: The final exam will be comprehensive and mandatory. It will be just like the other four exams except it will contain several of the CSNPC questions, which will be graded as either right or wrong. The final exam will be given sometime during the exam week of May 7-11. **Do NOT purchase your plane tickets home until you know your exam schedule and can plan accordingly.**

Quizzes: There will be approximately eight quizzes in total. Each quiz will last about 10-20 minutes and will consist solely of the CSNPC problems. You will take these quizzes during the recitation with your SA. Answers on these quizzes will be either right or wrong, with no partial credit given. Each question will be worth five points, with your final quiz grade being equal to the total number of points you earned divided by the total number of possible points.

Make sure you understand how your answers need to be presented. Your SA will be explaining these rules to you. Take careful notes with regard to what your SA tells you about how your answers must be presented.

Quiz Re-Take Option: If you earn a low grade on a quiz, you may re-take it. During the weeks of February 20, March 19, April 9, and on the day of April 30, your SA will arrive with copies of quizzes. You may use that time to re-take up to three quizzes. Please let your SA know in advance which quiz or quizzes you plan to re-take. On April 30 (which is a Monday), students in sections 15 & 17 will be taking the re-takes with Greg.

Make-up Exams: If you must miss an exam as the result of a prior obligation, you must speak to the instructor ahead of time; otherwise, you will earn a grade of zero. If you miss an exam due to illness, you must obtain a written excuse from a medical professional or from the Student Health Services. If you miss an exam due to some other unexpected reason, you must obtain a written excuse from the Dean of Students. *Please do not delay in contacting your instructor or your TA.*

Homework: Problems from the text will be assigned after each section has been completed. Homework is neither collected nor graded, but exams will “mimic” the homework problems (and examples from the lecture). I encourage you to work in small groups when doing the homework, and I strongly suggest that you complete all of the problems.

Mathematics Majors: Additional suggested homework problems for mathematics majors are listed in the course outline. You may need a calculator (graphing or otherwise) for some of these problems, and you may need to read more of the section than stated in the class outline. I suggest you work on these problems in small groups. Please see your TA during his office hours if you have any questions regarding these extra problems (he will not be going over them in recitation), or make an appointment to meet with me. Mathematics majors are also required to read several additional sections in the text (see course outline).

Advising and Learning Assistance Center: Tutors are available for all RPI students free of charge.

Grading Policy: Your final grade will be based on the following:

- 20% weekly quizzes
- 20% exam with highest grade
- 10% exam with lowest grade
- 15% for each of the other two exams
- 20% final exam

A: ≥ 93 A-: 90-92 B+: 87-89 B: 83-86 B-: 80-82 C+: 76-79
C: 70-75 C-: 66-69 D+: 60-65 D: 55-59 F: < 55

Academic Integrity Policies:

- 1) All CSNPC problems that appear on your quizzes will be photocopied after being graded and before being returned to the class. Any student who submits a changed answer on a CSNPC question for re-grading will have violated an academic integrity standard. The uniform penalty will be failure of the course.
- 2) Answers for the CSNPC problems must be expressed in the appropriate form or they will earn zero credit. Your SA will review the appropriate form for expressing your answers.
- 3) If you wish to contest the grade of an exam or quiz, you must make the appeal within *one week* of the return date *to the class* (i.e., if you pick up your test/quiz later, you will have less time to make the appeal). All appeals should be made in writing to the instructor with a signed and dated note on the exam or quiz. Once the week has passed, you will no longer be able to submit an appeal for that particular exam/quiz.
- 4) All work on a *quiz* or an *exam* must be your own (i.e., collaborating is not permitted).

Schedule of exams:

- Exam #1: Friday February 2. Based on all material taught through (i.e., including) January 26.
- Exam #2: Friday February 23. Based on all material taught from January 30 through (i.e., including) February 16.
- Exam #3: Friday March 23. Based on all material taught from February 21 through (i.e., including) March 16.
- Exam #4: Friday April 13. Based on all material taught from March 20 through (i.e., including) April 6.
- Final Exam: will be scheduled during the exam week May 7-11 (Cumulative)

Schedule for re-taking quizzes: The following sessions have been set aside for the re-taking of quizzes (please note that on Tuesday, February 20, you will follow your schedule for Mondays).

Tuesday, February 20: Sections 16 & 18
Thursday, February 22: Sections 15 & 17
Monday, March 19: Sections 16 & 18
Thursday, March 22: Sections 15 & 17
Monday, April 9: Sections 16 & 18
Thursday, April 12: Sections 15 & 17
Monday, April 30: All sections

You may re-take a quiz more than once, but not during the same session. In other words, you may re-take a quiz on March 19, and then re-take it again on April 9, but you cannot take the same quiz more than once on March 19. **Please be sure to let your SA know which quiz or quizzes you plan to re-take.**