

MATH 1020 Calculus 2 Sections 11-14: Course Activities

Course Learning Objectives: The learning objectives for this course are as follow. The student should learn the content of all the required sections for the course, which will be specified as the course unfolds. The student should also show proficiency in basic symbol manipulation skills by demonstrating his or her ability to work the problems on the Calculus Skills No Partial Credit (CSNPC) problem set, which is discussed in more detail below.

Lectures: During the classes on Monday, Wednesday and Thursday, new material will be covered. Emphasis will be placed on development of concepts and on working examples. Although the class is large, you are strongly encouraged to ask questions, as there are probably ten people wondering the same thing you are.

Problem-Solving: On Tuesdays (sections 11,13) or Fridays (sections 12,14), you will meet with your graduate teaching assistant for **recitation** class. In recitation, you may ask any questions you have about the material discussed in lecture and about current assigned homework problems. On Tuesday (sections 12,14) or Friday (sections 11,13), you will attend a **skills class** conducted by your skills assistant. This class will be devoted primarily to the Calculus Skills Problem Set, which is discussed in more detail below, although other problems may be discussed as time permits.

Homework: Every few weeks, a set of homework problems will be given out. While these problems will not be collected, you are expected to attempt all of the current problems prior to your recitation class so you will be prepared for the discussion of those problems.

Quizzes: There will be a short quiz given at the beginning of 7 of the Tuesday/Friday classes. The exact dates of these quizzes are available on the course webpage. These quizzes will be devoted completely to the Calculus Skills Problem Set, and as such will be graded on a no partial credit basis. During the semester, you will have the chance to take cumulative skills quizzes to improve your quiz grades.

Exams: There will be 3 major exams whose tentative dates are given on the accompanying sheet. These will be conventional exams on which partial credit will be available.

Calculus Skills Problem Set: An important goal of Rensselaer Calculus courses is to develop proficiency in basic computational skills relating to Calculus. To develop these skills, a set of Calculus Skills Problems will be made available to you. This is a set of algorithmically generated problems (meaning that different instances of each problem will be structurally similar but will involve different numbers and/or functions), some of which will appear on skills quizzes throughout the semester. All of these problems will be graded with no partial credit, constituting approximately 20 % of the course grade as detailed on the next page.