

Math 126 Calculus II

Tips for Studying for Exam I

The exam is Thursday, November 11, 8:00-9:15 a.m. It is designed to be done in an hour. Make sure you know what room your exam is in. Make sure your alarm is set correctly and working—if necessary, arrange for a friend to make sure you are up in time.

There will be a review session the evening of Wednesday, November 11, in 102 DeBartolo at 7:00 p.m. This is your chance to get last minute questions answered.

The exam will cover sections 7.3, 7.4, 7.6 and 8.1-8.9.

Calculators will be allowed. However, you must show all your work and all important steps on each problem. We have chosen the exam problems carefully to test your knowledge and understanding of the topics we have studied. You will get very little credit or no credit for just writing down an answer you find on your calculator.

The “Questions to Guide Your Review” at the end of each chapter of Thomas and Finney do an excellent job of giving you a review of what the basic concepts are.

A good strategy for practicing computation is to go back through the homework problems and work problems similar to those assigned. At the end of each chapter in Thomas and Finney, there are “Practice Exercises” and “Additional Exercises—Theory, Examples.” Unlike the problems in the sections, these problems come with fewer clues as to how to proceed. For example, in the “Assorted Integrations” on page 608, it is left to you to decide what technique of integration to use, as well as to carry out the integral. Similarly, the problems on “Convergent or Divergent Series” on page 700 require you to decide what test to use. You may find the flow chart on p.660 helpful. Begin by studying the material, to make sure you have everything at your finger tips. Then work an assortment of the odd-numbered problems.

We have covered lots of topics. On an exam designed to take an hour, we cannot possibly ask you a question about each topic.