

MA 224 – EXAM 2 INFORMATION

Exam 2 is an evening exam on Thursday, March 2, at 8:30 p.m. Your instructor will announce your room assignment, and the room assignments can also be found via a link on the course web page. The exam consists of 13 multiple-choice questions, and “None of the above” is not used as a choice. There are no formulas provided with the exam. You will have one hour to complete your work. Only the scantron answer sheet will be graded, so be very careful in coding your answer choices.

Late the following Monday (or Tuesday), your actual score will be loaded into WebCT. Note – this is not your percentage, it is your actual score. Letter grade estimates will be announced in class and will also be available via a link on the course web page.

To request an alternate exam, you must contact the course coordinator (Devi Nichols; MATH 902; dln@math.purdue.edu) as soon as you know you will miss the exam (or have missed the exam). Do not wait to contact the coordinator. If you miss the exam due to serious personal illness or family emergency, you will need to provide documentation. If you miss the exam for another reason, you may be allowed to take an alternate, but it will be with a 30 point penalty.

Your instructor will provide a set of review problems for the exams and other information about the exam. Class on Wednesday, March 1, is an optional review day to compensate for the evening exam.

Last semester was the first time we had a common second exam in this course. The exam was written conservatively and, as a result, was too short and too easy. Further, the topics covered were slightly different, due to exam dates. So, although a copy is available using a link on the course page, be sure to use it for extra practice rather than as a study guide for the exam.

Topics List

- I. Finding definite and indefinite integrals
 - Using the power rule
 - Using substitution

- II. Applications of integration
 - Finding a function given the slope of the tangent line at any point and a point on the graph of the function
 - Finding a function given its rate of change and an initial value
 - Evaluating a function over an interval, given the function’s rate of change
 - Finding the average value of a function
 - Finding the area bounded by curves
 - Finding the consumers’ and producers’ surplus

- III. Applications not using integration
 - Estimating the area under a curve using rectangles
 - Estimating change using the total differential