Math 210: Calculus III
Spring 2016
Exam III Study Guide

(1) The exam date is Monday, April 25, 2016; you will have 50 minutes to complete the exam.

(2) The exam covers sections: 14.7 (Maximum and Minimum Values), 15.1 (Double Integrals over Rectangles), 15.2 (Iterated Integrals), 15.3 (Double Integrals over General Regions), 15.4 (Double Integrals in Polar Coordinates), 15.5 (Mass, Moments), 15.6 (Surface Area)

Read these sections and study the examples in the text.

(3) You may use a 3” by 5” notecard on the exam; both sides of the notecard may be utilized.

(4) No calculators or other electronic devices may be used on the exam.

(5) Practice Problems
The following problems from the textbook are good practice. Do not look at the solutions until making an honest effort to do the problems on your own!

(a) 14.7: 9, 29, 46
(b) 15.1: 5
(c) 15.2: 15, 29
(d) 15.3: 13, 15, 23, 49
(e) 15.4: 7, 11, 19, 29
(f) 15.5: 1, 3, 11, 17
(g) 15.6: 1, 5, 10

(6) Study homework assignments 17 - 23. Solutions to the practice problems and homework will be posted on the course website:
http://users.humboldt.edu/pgoetz/math210.html