**INFORMATION ABOUT THE MATH 223 FINAL EXAM**
**FALL 2014**

## PROCEDURES

- The final exam is on Monday, Dec 15, from 1:00 – 3:00 pm. Do not be late. You will not be given additional time if you arrive after 1:00 am. We recommend arriving 15 minutes early.
- If you use DRC testing accommodations, you should arrive 15 minutes early to the DRC testing room.
- The final exam is not given in your usual classroom. You will find the room assignments at http://math.arizona.edu/academics/courseinfo/common/#examlocations. You will not be allowed to take the final in a room other than the one assigned to your section.
- You will not be allowed to leave the exam room until 2:00 pm.
- Because several sections will be in the same room, students in each section will need to sit together. Additional directions will be given at the test site.
- All cell phones and electronic devices such as PDAs/ iPods must be turned off during the exam. Vibrate or silence modes are not allowed. Laptops and any other device that can receive a wireless signal are not allowed.
- Bring your graphing calculator. Any model is allowed on the final exam provided it cannot receive a wireless signal. You will not be allowed to borrow or share a calculator.
- Bring a picture ID.

## ABOUT THE EXAM

- The final exam study guide is posted at http://math.arizona.edu/~calc/m223.html. Although the questions in the guide are not samples of actual exam questions, they provide an excellent review of the topics that are covered on the exam. Problems at the end of each chapter in the Review Exercises and Check Your Understanding sections can also provide extra practice and review.
- The exam covers Chapters 12-20.
- The point values for each of the question will vary and some may have parts. The point values for the problems will be listed on the cover sheet of your exam.
- Some problems might have a multiple choice or short answer. These are graded with no partial credit.
- Some of the line integrals and flux integrals can be done using the theorems or geometry.
- If you compute an integral by direct calculation when it is not needed and you get the problem right, you will get credit. But past exams have shown that this is a risky approach.
- Answers should be given in simplified exact form. For example: don't write 0.693 if your answer is $\ln 2$. If your answer is $\cos(\pi/4)$, you should write $\sqrt{2}/2$ or $1/\sqrt{2}$.
- There are no formulas given on the exam. No notes are allowed.
- The integration table that is posted at http://math.arizona.edu/~calc/m223.html will be provided.