MATH 221   Fall 2011   Sections 0131, 0132, 0141, 0142
Lectures: ARM 0131   TuTh 2:00pm - 3:15pm

Lecturer: Larry Washington   Office: Math 1106
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     Office hours: Wednesday 9:30am-10:30am and Thursday noon - 1:00pm
     Course web page: www.math.umd.edu/∼lcw/Math221.html

Teaching Assistants:
Lee Mendelowitz   Office: CSS 4364F   e-mail: lmendelo at math.umd.edu
     Sections 0131, 0141 (Room: Math 0307)
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     Sections 0132, 0142 (Room: Math B0421)

Description: This is the second semester of an introduction to calculus for students in the biological, social, and management sciences, and architecture. Applications of calculus to these disciplines form an important part of the course. Concrete calculations are emphasized.
Note: This is a terminal math course. It does not serve as a prerequisite for other math courses.

Text: *Calculus and its Applications*, 12th ed., by Goldstein, Lay, Schneider, and Asmar (required)
Study Guide (recommended)

Topics: (in *Calculus and its Applications*)
Chapter 8:   The trigonometric functions   3 lectures
Chapter 9:   Techniques of integration   6 lectures
Chapter 10: Differential equations   5 lectures
Chapter 11: Taylor polynomials and infinite series   5 lectures
Chapter 12: Probability and calculus   3 lectures

Exams: October 6, November 3, December 8.
Each student must bring his or her University picture ID card to the exams. Makeup exams will not be given unless a student can present substantial evidence that an absence was caused by serious illness, a death in the immediate family, religious observance, participation in University activities at the request of University authorities, or compelling circumstances beyond the student's control. For an illness, you must present a signed statement from a doctor that your illness was sufficiently serious to make you miss an exam. A note saying only that you visited the doctor or the Health Center will not suffice.

     If the absence is caused by foreseeable circumstances, notice must be given **in advance** in order to be allowed to take a makeup exam. Students who do not provide adequate documentation for their absence will receive a score of zero for the exam.

     Each exam is worth 100 points and will last 75 minutes.

Quizzes and Homework: There is a list of homework problems for each section that will be covered. These problems should be done by the student, but are not to be handed in. Instead, in the Monday discussion section, there will be a short quiz consisting of around 2 or 3 problems taken directly from the homework list. The sections covered by a quiz will be as listed on the syllabus. The lowest 2 quiz scores for the semester will be dropped. At the end of the term, the total quiz score for the remaining quizzes will be converted to a 50 point basis. The rules for makeup quizzes are the same as those listed above for exams.

Final Exam: Thursday, December 15, 1:30-3:30pm. You must bring your University picture ID to the final. The final exam will count 150 points and will last 2 hours.

Grades: Each midterm is worth 100 points. The final is worth 150 points. The quizzes total 50 points. That makes 500 possible points for the course. You should expect that 450-500 will be an A, 400-449 will be a B, 350-399 will be a C, 300-349 will be a D, and 0-299 will be an F.

Calculators: Calculators will be allowed for all quizzes. Calculators will **not** be allowed on exams.

Honor Pledge: The University of Maryland, College Park, has a nationally recognized Code of Academic Integrity, administered by the Student Honor Council. This Code sets standards for academic integrity at Maryland for all undergraduate and graduate students. As a student you are responsible for upholding these standards for this course. It is very important for you to be aware of the consequences of cheating, fabrication, facilitation, and plagiarism. For more information on the Code of Academic Integrity or the Student Honor Council, please visit `http://www.shc.umd.edu`.

     On exams, you will be asked to sign the Honor Pledge: "I pledge on my honor that I have not given or received any unauthorized assistance on this examination."

School Closings: In case of school closings, consult the course web page for adjustments to the syllabus.