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, 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

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.