Math 229         Calculus 1         Fall 2009

Instructor       Dr. Carl Mummert
Email            mummertc@marshall.edu
Office           742E Smith Hall
Office hours     Monday 3:00pm–4:30pm, Tuesday 9:00am–11:00am
                 Wednesday 3:00pm–4:00pm, Thursday 9:00am–11:00pm,
                 and by appointment

Text             Calculus 6e, James Stewart. ISBN 049501169X
Meeting time     MTWRF 2:00pm–3:00pm
Classroom        514 Smith Hall
Course site      http://users.marshall.edu/~mummertc/courses.html

Course overview This is a first course in calculus. You will learn the basic concepts and
techniques of differential and integral calculus and also learn to explain your knowledge to
others in writing. You will learn both computational techniques and the concepts behind
them.

Catalog description An introduction to analytic geometry. Limits, derivatives, and
integrals of the elementary functions of one variable, including the transcendental
functions. Prerequisites: Math ACT 27 or above, or MTH 130 and 122, or MTH 127 and 122,
or MTH 132.

Course structure Class sessions will consist of a mixture of lecture, class discussion, and
group work. The role of the instructor is both to present new material and to guide the class
in exploring the topics at hand.

Attendance Attendance in class is extremely important to master the material and prepare
for exams. You should plan to attend every class session and to participate during class.
Excessive absences may result in a grade reduction: If you miss four days of class without
extenuating circumstances, your final grade may be decreased by a full letter grade for each
additional absence.

Extenuating circumstances Acceptable justifications for absences and late homework
include verifiable illness or family emergency, academic events, athletic team participation,
and all other reasons specified in the undergraduate handbook. They do not include
vacation or employment. If you will be absent at some point in the semester, let me know as
soon as possible; we may be able to make arrangements to reschedule assignments.

Exams There are five exams, including a comprehensive final. Make-ups will only be
scheduled when there are documented extenuating circumstances.

Reading and individual homework I expect you to read each section before
it is covered in class. You will be assigned web homework problems on each section, which
will be due a few days after the section is covered in class.

Quizzes There will be in-class quizzes most weeks. The day of the quiz may or may not be
announced in advance.

Calculators A graphing calculator is required for this course. You are free to use any
calculator with which you are already familiar; my recommendation is a recent TI-83 or
TI-84. Standard graphing calculators are allowed for use in most quizzes and exams (devices with a QWERTY keyboard are not permitted). Cellular phones, laptops, and other devices that can be used to communicate with others are not permitted on quizzes or exams.

**Computer requirements**  I will communicate with you via your official Marshall University email address, which you should check daily. I may post handouts on the course webpage. You should be aware of the Marshall University acceptable use policy for computing resources.

**Students with disabilities** The Marshall University policy on students with disabilities, as documented in the undergraduate handbook, applies to the course. Students affected by this policy should contact me immediately, so that the proper arrangements can be made.

**Equal opportunity** This course will follow Marshall University policy on affirmative action, which gives all students equal opportunity without regard to race, color, sex, religion, age, disability, national origin, or sexual orientation.

**Inclement weather policy** I will not cancel class due to inclement weather unless there is a university-wide cancellation of classes. For more information, see http://www.marshall.edu/ucomm/weather.html.

**Academic honesty policy** You are permitted to discuss homework problems with other students, but your submissions must be your own writing and reflect your own understanding of the material. Be prepared to explain your solutions verbally if asked. No outside assistance is permitted during quizzes and exams. The penalty for academic dishonesty is a zero grade on the assignment in question.

**Grading** Your final course grade will be determined using the following system:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>15%</td>
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<tr>
<td>Quizzes</td>
<td>15%</td>
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<tr>
<td>Exam 1</td>
<td>10%</td>
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<tr>
<td>Exam 2</td>
<td>10%</td>
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<tr>
<td>Exam 3</td>
<td>15%</td>
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<tr>
<td>Exam 4</td>
<td>15%</td>
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<tr>
<td>Final exam</td>
<td>20%</td>
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I will set the numerical cutoffs for letter grades once the course is complete. The cutoffs will be no higher than: A–90%, B–80%, C–70%, D–60%. The course is not graded on a curve.

**Important dates** Please note the following dates and plan around them.

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Classes begin</td>
<td>Mon, Aug 24</td>
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<tr>
<td>Labor Day holiday</td>
<td>Mon, Sep 7</td>
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<tr>
<td>Last day to drop</td>
<td>Fri, Oct 30</td>
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<td>Exam 1</td>
<td>Fri, Sep 11</td>
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<tr>
<td>Exam 2</td>
<td>Fri, Oct 2</td>
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<tr>
<td>Exam 3</td>
<td>Fri, Oct 2</td>
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<tr>
<td>Exam 4</td>
<td>Fri, Nov 20</td>
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<tr>
<td>Last day of class</td>
<td>Tues, Dec 8</td>
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<tr>
<td>Final exam</td>
<td>Mon, Dec 14, 12:45pm–2:45pm</td>
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