

<p><b>MTH 200-181</b> Applied Calculus</p> <p>Mon. &amp; Wed., 5:30 – 7:20 p.m. in 9-254</p>	<p><b>COURSE INFORMATION SHEET</b></p> <p><b>Fall 2007</b></p> <p><b>Monroe Community College</b></p>	<p><b>Instructor:</b> Mrs. Emily Putnam <b>Email:</b> eputnam@monroecc.edu <b>Office:</b> Bldg 8 Room 549 <b>Tel.:</b> (585) 292 – 2957 <b>Office Hours:</b> Mon. &amp; Wed. 1:00 – 1:50 p.m., Thu 2:30 – 4:30 p.m., or by appointment</p>
<p><b>Course Website:</b> <a href="http://www.monroecc.edu/go/eputnam">http://www.monroecc.edu/go/eputnam</a> and click on “Math 200”</p>		

### COURSE DESCRIPTION

An intuitive introduction to the principal ideas of differential and integral calculus. Among the topics covered are: functions (including exponential and logarithmic), limits, differentiation, and integration. Emphasis will be placed upon the use of calculus in solving problems from areas including business, economics, and the social and natural sciences. Four class hours. *Prerequisite: MTH 165 (College Algebra) with grade of C or better, or equivalent.*

### REQUIRED MATERIALS

**Textbook:** *Calculus and its Applications*, 9th edition, by Bittinger and Ellenbogen (Pearson; 2007). The optional Student's Solutions Manual is available for purchase, or for use in the Mathematics Learning Center (MLC), Room 11-204, by showing a valid MCC picture ID.

**Calculator:** Any scientific calculator that does not have symbolic differentiation or integration capabilities (e.g., you may not use a TI-89) is required. The calculator will be used in most class meetings, on homework problems, and on all quizzes and exams.

**Internet Access:** I will use email as a prominent communication method as this is the fastest and most reliable method to contact me. I expect that you check your MCC student email account often to receive occasional but important class announcements. For security reasons, I cannot respond to emails about sensitive topics (e.g. grades) to non-MCC email addresses.

**Recommended:** We will be drawing a fair number of graphs by hand, and a somewhat high level of accuracy is needed to do the analysis we will be learning. I recommend that you use a large scientific notebook that contains graph paper, or a pad of graph paper that you can (literally) cut and paste into your regular notebook or binder. Also, I recommend acquiring a quality mechanical pencil, extra lead, and a good eraser.

### MISSED WORK POLICY

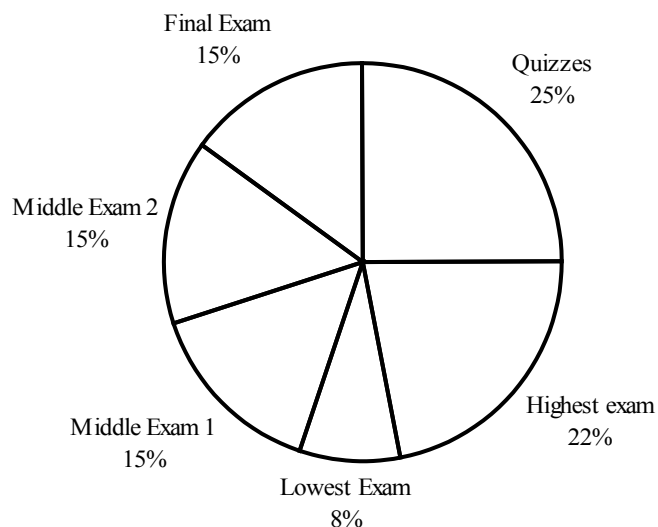
Once during the semester, a make-up exam may be possible if the student notifies the instructor either **prior to the exam or within 12 hours after the exam** (send email or leave a voicemail), and the make-up exam is taken before the class receives the graded exams. If you are unable to attend class on the day of an exam it is **your responsibility** to make every reasonable effort to contact me. **Quizzes cannot be made up** except at the instructor's discretion in documented cases of unavoidable absences.

## GRADING

**Quizzes & Misc.:** 25% (5 quizzes based on assigned homework; lowest score dropped; additional graded activities as assigned)

**Exams:** 60% for four exams (highest score 22%; lowest score 8%; other two scores 15% each)

**Final Exam:** 15% (Comprehensive, departmental, mandatory)



The grading scheme for this class is:

A 93.0 – 100%	B 83.0 – 86.9%	C 73.0 – 76.9%	D 63.0 – 66.9%
A– 90.0 – 92.9%	B– 80.0 – 82.9%	C– 70.0% – 72.9%	D– 60.0 – 62.9%
B+ 87.0 – 89.9%	C+ 77.0 – 79.9%	D+ 67.0 – 69.9%	F 0 – 59.9%

## ATTENDANCE/LATENESS

Attendance will be recorded at the beginning of class each day and after each break. A high number (4 or more) of absences may result in the instructor-initiated withdrawal of a student. Any student not in class when attendance is taken will be considered absent. Non-attendance does not guarantee a withdrawal.

Being late to class or leaving early is disruptive and will count as one-half of an absence. If you are late or know you need to leave early, take a seat near the door. Do not cross in front of the professor. Missed material is the responsibility of the student.

## STUDY TIPS

Expect to spend a minimum of **eight hours per week outside of class**. It is important to keep up with the reading and the homework assignments. Intensive studying just before an exam will not compensate for daily preparation.

To get the most out of class time, I suggest that you **read the appropriate section(s)** in the text before each class and make a note of anything that seems unclear. If the lecture does not address your questions please ask during class. Do not let questions go unanswered – ask for help.

**How to get help:** read the text, ask me in class, come to office hours, send me an email, and/or visit the tutors in the Math Learning Center (11-204).

## GENERAL RESPONSIBILITIES

**Students are responsible for all information given verbally in class.** Absence from class is no excuse for missed assignments or lack of preparedness for labs or exams. The Student Conduct Code prohibits the obstruction or disruption of any college class.

**Being respectful to your professor and your classmates is mandatory.** Actions such as receiving cell-phone calls, irrelevant talking, taking a break, leaving early, or other disruptive behavior will result in one warning. Subsequent poor behavior will result in being asked to leave class for the day and a follow-up discussion about your behavior with Mrs. Putnam or other MCC authorities if necessary. Also, neither audio nor video recordings of the instructor or the class can be made without the explicit prior written permission of the instructor.

## COMPUTER CODE OF CONDUCT

When using computers to complete various requirements of this course, every student is required to comply with all aspects of the **Code of Conduct for Users of College Computer Systems**, as described in the Catalog & Student Handbook.

## REFERRAL

Monroe Community College has a number of Learning Centers at Brighton (for example, Accounting, **Math (11-204 and 11-206)**, Psychology, Writing, the Electronic Learning Center, etc.) and at Damon (for example, the Integrated Learning Center, Electronic Learning Center, etc.). Learning centers are staffed with tutors and equipped with computers and software to assist students. It is recommended that students use the Learning Centers to get additional help with concepts learned in the classroom and with their homework.

## ACADEMIC HONESTY POLICY

You are expected to obey all guidelines on academic integrity outlined in the MCC College Catalog. Questions regarding this policy should be brought to the instructor. Violations of this policy will be dealt with appropriately and may result in the failure of the course, and/or notification of the Vice President of Student Services. Cheating is forbidden by “The Student Conduct Code” and is subject to penalties. No distinction is made between the student who cheats and the student who assists the cheater. You are welcome to discuss the course material with your classmates, but your graded work must be your own.

## EMERGENCY CLOSINGS

**If the College is closed** due to inclement weather or some other emergency, all Rochester area radio and television stations will be notified no later than 5:30 A.M. In addition, the MCC website ([www.monroecc.edu](http://www.monroecc.edu)) will display a message indicating the College is closed. Please do not call the College so as not to overload the telephone lines.

**Class cancellation** information is available daily on the web or through the telephone. Simply go to the MCC website and under the “Quick Links” pull-down tab on the homepage, click on Class Cancellations. Additionally, class cancellation information is available by dialing 292 – 2066, press 1 for the Brighton Campus and 2 for the Damon Campus.

## A.D.A. STATEMENT

If you are a student who has a disability that has been diagnosed by a physician or licensed psychologist, you may be eligible for certain accommodations. Each semester you must identify yourself to Services for Students with Disabilities and fill out a Request for Services. Please meet with me privately early in the semester, and we will discuss your specific needs.

## Textbook Outline

<i>Chapter &amp; Description</i>	<i>Sections</i>
Ch. R: Review	1 - 6
Ch. 1: Differentiation	1 – 8
Ch. 2: Applications of Differentiation	1, 2, 4 – 6
Ch. 3: Exponential and Logarithmic Functions	1 – 4
Ch. 4: Integration	1 – 7
Ch. 5: Applications of Integration	1, 2
Ch. 6: Functions of Several Variables (life beyond just $x$ )	1, 2

*Policies are subject to change with notification given by the instructor in class. The current version can always be found on the course website.*