

MATH 080, CALCULUS 1, SUMMER MODULE 1, 2009
Syllabus for Section 1001, MTWThF 11:40am–1:20pm, Cudahy 118

Instructor: Dr. Paul Bankston, office 311 Cudahy Building

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Office Hours: MWF 10:30pm–11:30pm, or by appointment.

Text: *Calculus*, by Smith & Minton.

Supplementary Material: Students should have, and be able to use, the TI-89 graphing calculator. Because of its computer algebra operating system, the TI-89 is fundamentally different from (and more powerful than) the TI-86 and lower-numbered models. It is essentially the same as the TI-92. *Be aware that the use of calculators may be prohibited during all or part of exams and quizzes, depending on the nature of the material being tested.*

Prerequisites: MATH 021 or 3–4 years of college preparatory mathematics.

Exams/Quizzes:

- There will be three examinations given; two on the Fridays May 29 and June 12, and the last on Thursday, June 25. Each exam will test the material covered since the last exam; but be aware that the material is inherently cumulative, that the concepts introduced later in the course are built upon those introduced earlier. On exam days there will be time for questions and last-minute review, but no new course material will be covered.
- There will be a 10 minute quiz given every other day, based on the homework given out two days prior, and the ten best quiz scores will count the equivalent of one exam.
- There will be no makeup exams or quizzes without arrangements being made beforehand, and only extenuating circumstances will be considered.

Grading:

Three hour exams	180
Ten quizzes	60
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Total	240

Grading scale:

- A: 92–100%
- AB: 87–91%
- B: 78–86%
- BC: 73–77%
- C: 64–72%
- CD: 59–63%
- D: 50–58%
- F: 0–49%

Attendance and Deportment: You are expected to attend all lectures and quiz sections, and to be *on time*. Excessive absences will be noted, and may result in a lowered grade. Norms for classroom conduct are based on respect for the instructor and your fellow students. Distractive behavior, such as using cell phones, reading newspapers, sleeping, playing games, or talking to your neighbor, is inappropriate.

Policy on Academic Honesty: In the spring of 2006 the University approved an academic honesty policy that is applicable to all courses; details may be found at <http://www.marquette.edu/rc/academichonesty.shtml>. Basically you're expected to do your own work, and to not copy answers from anyone else in a quiz or exam situation. Also crib notes, either in written or electronic form, are forbidden during quizzes and exams.

Withdrawal Date: The final date for voluntary withdrawal from class this semester, with a grade of W, is Friday, June 12, 2009.

Course Goals:

1. Develop habits of thinking and learning based on reasoning and understanding, rather than on memorizing and mimicking. In this course the focus is on establishing a grasp of the basic concepts and techniques of differentiation and integration of functions of one real variable, and on developing intuitions needed to apply calculus effectively in real-world situations.
2. Learn to interpret, represent, and connect the concepts of calculus in multiple ways:
 - Numerically (e.g., tables)
 - Graphically (e.g., hand sketching, using the TI-89)
 - Analytically (e.g., equations)
 - Verbally (e.g., understand and create clear explanations of ideas)
3. Use problem solving skills to:
 - Learn concepts of (one variable) calculus
 - Apply the concepts of calculus to real-world problems
4. Develop facility in the basic symbol manipulation skills of calculus.