An introduction to mathematical methods applied to economics and policy analysis. The emphasis is on learning the techniques rather than proving theorems.

**Required Workbook:**
Schaum’s Outline: Mathematical Methods for Business and Economics

**Suggested Text:** Quick Calculus: A Self-Teaching Guide, Kleppner and Ramsey

**Office Hours:** Wednesday 2:00 p.m.–3:00 p.m.
and by appointment

**Teaching Assistant:**
Brett Levanto (bflevanto@wm.edu) is the TA for this class. Brett will hold review/problem sessions on Mondays and Wednesdays from 3:30 - 5:30 p.m. in Morton 140C (the MPR) and will be available at other times as needed (see below).

**Grading and Exams:**
This is a pass/fail course divided into modules covering discrete topics in mathematics. Overall, the course is a “100% pass rate” course -- you must eventually pass each of the exams to pass the course.

You must obtain a score of at least 85 percent on each test. If you fail to achieve the 85 percent level, then you will be required to attend a tutoring session with Brett before you attempt to retake the exam in question.

Date of initial administration of each test and the deadline to pass each test is listed on the attached schedule.

**Please note that the first two tests will be administered during Monday TA sessions at 3:30 p.m.**

**Module1:** Basic Algebra, Manipulation of Equations (Ch. 1-3)
Simultaneous Equations (Ch. 4)

**Module2:** Univariate Differential Calculus (Ch. 9)
Applications (Ch. 10)

**Module3:** Multivariate Differential Calculus (Ch. 13)
Applications (Ch. 13)

**Module4:** Exponential and Logarithmic Functions (Ch. 11)
Integral Calculus (Ch. 12)
Schedule – Fall 2008 Math for Public Policy Analysis

Aug 28: Overview of Course
       Review of Module 1 Topics

Monday Sept 1: TEST 1 – Monday 3:30 p.m.

Sept 2: Univariate Calculus

Sept 4: Univariate Calculus – applications
        Deadline for passing Test 1

Monday Sept 8: TEST 2 – Monday 3:30 p.m.

Sept 9: Extension from Univariate to Multivariate Calculus

Sept 11: Multivariate Calculus – applications
         Deadline for passing Test 2

Sept 16: TEST 3

Sept 18: Exponential and Logarithmic Functions

Sept 23: Review w/ Brett
         Deadline for passing Test 3

Sept 25: Review Expo/Log
         Intro to Integral Calculus

Sept 30: Review w/Brett

Oct 2: Integral Calculus

Oct 7: TEST 4

Oct 9: Review if necessary

Oct 10: Deadline for passing Test 4