

ECON 1078 - 001  
Math Tools for Economists - I  
Fall 2009

**Instructor:** Neil Metz

**Class Meetings:** MWF 2:00-2:50pm, RAMY N1B23

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**Office:** Econ 313

**Office Hours:** MW 1:00-2:00pm and by appointment

Office hours are held for your benefit. You are highly encouraged to come to my office hours with prepared questions.

**Course Websites:** <https://webfiles.colorado.edu/metzn/www/index.htm>  
This is my website where you will go to find general information and updates.

<http://www.colorado.edu/economics/courses/ECON1078/1078home.html>  
This is the web page developed by all Econ 1078 instructors. You can find homework and exam problems from previous semesters here.

**Course Description and Objectives:**

The goal of this class is to provide students with the mathematical tools needed for future courses in business and economics. We will cover rules of algebra, polynomials, functions, solving systems of equations, logic, probability, and differentiation.

**Textbook:**

*Essential Mathematics for Economic Analysis*, 3<sup>rd</sup> edition, by Knut Sydsater, and Peter Hammond is technically “required”. Economics 1088 (Math Tools II) uses the same textbook. This is a very good reference book, which you may use in the future to refresh your knowledge of algebra and calculus. I will highly recommend that you have this book (or the 2<sup>nd</sup> edition) but I will not assign problems to be turned in. The practice problems that I will suggest come from the 3<sup>rd</sup> edition.

**Calculator Note:**

## Exams

**Expectations of Classroom Behavior:**

Students and faculty each have responsibility for maintaining an appropriate learning environment. Students who fail to adhere to behavioral standards may be subject to discipline. Faculty have the professional responsibility to treat students with understanding, dignity and respect, to guide classroom discussion and to set reasonable limits on the manner in which students express opinions.

See policies at

<http://www.colorado.edu/policies/classbehavior.html> and at [http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student\\_code](http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student_code)

**Absences:**

Campus policy regarding religious observances requires that faculty make every effort to reasonably and fairly deal with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. Please notify me as soon as possible so that the proper arrangements can be made. Students can see full details at [http://www.colorado.edu/policies/fac\\_relig.html](http://www.colorado.edu/policies/fac_relig.html)

**Disabilities Statement:**

If you qualify for accommodations because of a disability, please submit to me a letter from Disability Services in a timely manner so that your needs may be addressed.

Disability Services determines accommodations based on documented disabilities.

Contact: 303-492-8671, Willard 322, and <http://www.Colorado.EDU/disabilityservices>.

Time extensions for exams must be approved by me prior to the exam. If you have not talked to me personally prior to the exam you will not be granted an extension.

Disability Services' letters for students with disabilities indicate legally mandated reasonable accommodations. Other letters/requests you may receive from agencies such as the Wardenburg Student Health Center, or other health providers, such as physicians or counselors, are recommendations you may choose to follow to assist students but are not necessarily legal mandates. The syllabus statements and answers to Frequently Asked Questions can be found at <http://www.colorado.edu/disabilityservices>