

The text for all section of 1078 and 1088 is *Essential Mathematics for Economic Analysis*, Knut Sydsaeter and Peter Hammond, Prentice Hall

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Essential Mathematics for Economic Analysis was chosen in the fall of 2005 by the 1078 and 1088 instructors and the 1078/1088 faculty coordinator. Its choice was approved by the undergraduate curriculum committee and the Chair of the Department.

It is an excellent book and a vast improvement over the previous text for 1078 and 1088.

Essential Mathematics for Economic Analysis is the “**official math-reference book**” for your undergraduate career as an econ major. All of the faculty will assume econ majors have a copy of the book and “know” its contents. You need to keep and use the book until you graduate.

The publisher's site for the text is

<http://www.pearsoned.co.uk/Bookshop/detail.asp?item=100000000064363>

There might be helpful stuff posted at the site

Some thoughts on the book, mathematics, and being an economics major:

Essential Mathematics is designed to teach you the mathematical tools that you will need to solve economic problems. In addition it applies these tools to solve basic economic problems. The authors' intent was **not** to teach economic theory.

To do well in this course, you will need to **understand and use mathematical tools**. In this sense, an understanding of some mathematics is *necessary* for you to do well in the course.

To do well as an economics major, you will need to **understand and use mathematical tools**. An understanding of some mathematics is *necessary* for you to do well as an economics major. However, *it is not sufficient*. You will also need to understand and use economic theory, and, most importantly, you will need to be able to integrate the economic theory and the math to solve economic problems. (Being a math wiz will not guarantee success) You can only achieve this integration of mathematics and economics by solving economic problems. Understanding the material in *Essential Mathematics for Economic Analysis* is *necessary but not sufficient* for one to succeed as an economics major.

If you have suggestions for improving this page, please email them to your instructor. Thanks.