

The Eastern Michigan University Department of Mathematics Presents:
Mathematics Across the Disciplines

A 2003-2004 lecture series exploring the value of power mathematics

Lecture #1:
*Is Mathematics a Necessary Condition
for Economic Analysis?*

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Head of the Department of Economics

Monday, October 13, 2003
4:00 – 5:00 PM
419 Pray-Harrold

Abstract: Mathematics and statistics play a major role in economic analysis. As you trace the evolution of economic theory and economic analysis, one can not avoid noticing the central role that mathematics and statistics played in this evolution. Currently, mathematics and statistics are integer part of the study of economics. Economic students usually try to avoid mathematics and statistics in the first year of their studies. As they advance in the field of economics, they quickly realize that without these powerful tools some modern and contemporary economic problems are deemed unsolvable.

What are the challenges facing economic faculty? How do we motivate students of economics to study these topics? Is their a magic set of mathematical and statistical topics necessary for an economist?

Coffee & Cookies in the Math Den (Pray-Harrold 501) at 3:30 PM