

ST. MARY'S COLLEGE OF MARYLAND

Division of History and Social Science

ECON 400  
Ye Math Econ  
Fall 2002  
4696

Professor Michael  
Office: KH 324  
Phone: (240)895-

e-mail: mhye@smcm.edu

**COURSE DESCRIPTION**

1. The course covers basic models and techniques in mathematical economics covering topics in both microeconomics and macroeconomics. More specifically, we will learn those basic mathematical models for producers' behavior, consumers' behavior, market behavior, IS-LM model, and growth model. We will also learn some optimization techniques, with and without constraints, with equality and inequality constraints, comparative static analysis, a little linear algebra, and maybe a little bit of dynamic optimization.

Students are encouraged to do a small project as a substitute for the final. A larger project can be a substitute for both mid-term and final examinations.

2. Pre-requisite: Calculus, ECON 251 and ECON 252. Talk to me if you are not sure or have special circumstances.
3. Textbook: *Using Mathematics in Economic Analysis*, by Peter Hess, Prentice Hall, 2002.
4. Lectures: Tuesday and Thursday, 6:00 - 7:50PM at KH222.
5. Office Hours: 10:00 - 11:30AM, Tuesday and Thursday; or by appointment.
6. Grade: There is a mid-term examination, contributing 50% to the final grade; and a final examination or final presentation, contributing 50% to the final grade.

More detailed criteria on grading will be given later

7. Attendance: For every class missed beyond two, 1% will be deducted from the final grade.