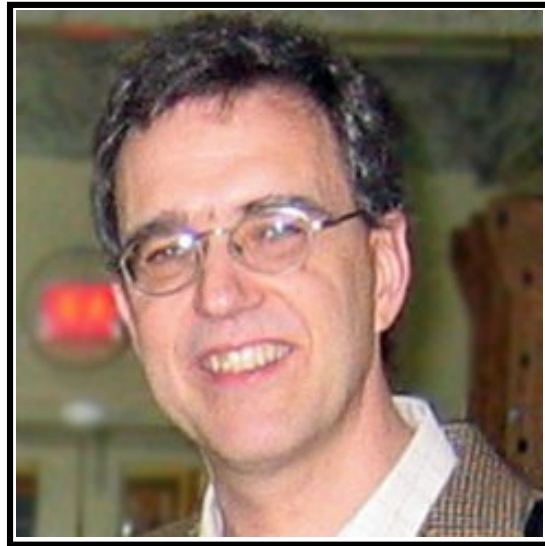


Elementary Mathematics for Economics II



Instructor: Professor Michel Demers

The Economics department is pleased to welcome you to ECON 1402! Building upon your knowledge in ECON 1401, in this course you will continue to develop and apply an economics-centered approach to elementary math concepts. The course is designed to help you become comfortable in using these concepts and understand their economic meaning and intuition.

By the end of this course, you will be able to understand and apply: Derivatives of a function in the single variable case, including power, exponential and logarithmic functions. Partial derivatives of a function of more than one variable. Concavity and convexity and their importance for optimizing firms and consumers. Optimization without constraints with applications to profit maximization. Optimization when constraints are present with applications to cost minimization with an output target. All mathematical methods will be applied to economic problems and in-class participation in solving practice problems will be emphasized.