

ECON 122: Mathematics for Economists

Reviews fundamental mathematical methods used in static and dynamic economic analysis, including matrix algebra, partial/total differentiation, nature of exponential and logarithmic functions, concavity and convexity, methods of static optimization (with constraints), integral calculus, linear and nonlinear differential/difference equations, phase diagrams, and stability analysis.

Credits: 3

Prerequisites/Permissions:

MATH 005 and MATH 006 or Higher with Minimum grade C

Program:

Economics

COURSE DESCRIPTIONS

Essential Learning Outcomes: ELO #3: Knowledge of the Physical and Natural World

ELO #4: Intellectual and Practical Skills

ELO #6: Leadership and Applied Learning