Course Catalog

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Contents

Computing (COMPTNG)

10A. Introduction to Programming

Units: 5.0

No prior programming experience assumed. Basic principles of programming, using C++; algorithmic, procedural problem solving; program design and development; basic data types, control structures and functions; functional arrays and pointers; introduction to classes for programmer-defined data types.

Economics (ECON)

6. Introduction to Futures and Commodity Trading

Units: 0.5

Brief overview of commodity futures trading and major participants. Conceptual introduction to strategies.

Mathematics (MATH)

151A. Applied Numerical Methods

Units: 4.0

Prerequisites: MATH 32B, 33B, 115A; PIC 10A. Introduction to numerical methods with emphasis on algorithms, analysis of algorithms, and computer implementation issues. Solution of nonlinear equations. Numerical differentiation, integration, and interpolation. MATLAB programming.

Statistics (STATS)

22. Stata Workflow and Tips

Units: 4.0

Broad coverage of Stata features, including commands, functions, input and output, dataset and variables management, graphs, and descriptive statistics. Provides a framework for useable workflow in Stata to conduct data wrangling and analysis.