

# MATH METHODS IN THE SOCIAL SCIENCES (MMSS)

## **MMSS 211-1 College Seminar: Social Science Theories & Meth-First**

**Yr (1 Unit)** A fast-paced mathematical treatment of intermediate microeconomics designed for mathematically sophisticated students. No previous training in microeconomics needed. This writing and discussion-oriented seminar also introduces topics such as consumer and producer behavior in market economies, equilibrium in competitive and monopolistic markets, public goods and externalities, and welfare analysis. College Seminars also focus on skills needed to succeed in college.

**MMSS 211-2 Social Science Theories & Meth-First Yr (1 Unit)** Game theory.

**MMSS 211-3 Social Science Theories & Meth-First Yr (1 Unit)** Formal models in social science disciplines other than economics. *Social Behavioral Sciences Distro Area*

## **MMSS 300-0 Foundations of Mathematical Social Science (1 Unit)**

Introduction to the core mathematical elements of formal Social Science, including Individual Decision Making, Choice Under Uncertainty, Social Choice and Welfare, Efficiency Concepts, and Dynamic Decision-Making.

**MMSS 311-1 Social Science Theories & Meth-2nd Yr (1 Unit)** Advanced game theory.

**MMSS 311-2 Social Science Theories & Meth-2nd Yr (1 Unit)** Advanced formal models in social science disciplines other than economics.

**MMSS 398-1 Senior Seminar (1 Unit)** Senior thesis seminar. *Advanced Expression*

**MMSS 398-2 Senior Seminar (1 Unit)** Senior thesis seminar. *Advanced Expression*

**MMSS 398-3 Senior Seminar (1 Unit)** Senior thesis seminar. *Advanced Expression*