

# Economics

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## Overview

Founded in 1903, the Department of Economics at UC Berkeley is well known for the excellence of its teaching and advising, with a strong reputation for producing outstanding PhD graduates as well as rigorous and innovative economic research. In recent years, Berkeley economics PhDs have been hired at many other leading institutions, including Harvard, MIT, Yale, the U.S. Federal Reserve, and the World Bank. The department is also consistently ranked among the world's top research departments. Berkeley faculty have won many awards (<https://www.econ.berkeley.edu/about-us/home/awards/#nobel>) including 5 Nobel Prizes, 5 John Bates Clark Medals, and 21 Alfred P. Sloan Research Fellowships (an average of 1 per year since 1995). Berkeley economics faculty and students have done groundbreaking work in economic theory, econometrics, macroeconomics, and all major fields of applied research, and they have served as policymakers at the highest levels, both in the U.S. and abroad.

## Libraries

The Thomas J. Long Business Library (<http://www.lib.berkeley.edu/BUSI/>) houses the major collection of business administration materials on the UC Berkeley campus. The Long Library's collections emphasize the academic and scholarly aspects of business to support the research and teaching mission of the University. Special strengths of the collection include business ethics; company and business history; corporate finance; corporate social responsibility; entrepreneurship; family business; high-technology industries; innovation and technological change; and nonprofit management. The collection, which spans the physical library, off-site storage in Richmond, and the web, includes over 150,000 books, 1.6 million microforms, and thousands of subscriptions in digital format. A large digital library in the social sciences supports the interdisciplinary research needs of graduate students and faculty.

The Mathematics Statistics Library (<http://www.lib.berkeley.edu/math/aboutlibrary/econlab.html>) maintains a reserve collection of software manuals for the Econometrics Lab (<http://emlab.berkeley.edu/eml/>). The books are owned by the Econometrics Lab but circulated by the library on their behalf.

## Research Centers

Faculty and students in the department participate in many research centers. For further information, see the department's website (<https://www.econ.berkeley.edu/about-us/research-centers/>).

## Undergraduate Program

Economics (<http://guide.berkeley.edu/archive/2022-23/undergraduate/degree-programs/economics/>): BA

## Graduate Program

Economics (<http://guide.berkeley.edu/archive/2022-23/graduate/degree-programs/economics/>): PhD

## Economics

Expand all course descriptions [+] Collapse all course descriptions [-]

## ECON 1 Introduction to Economics 4 Units

Terms offered: Fall 2023, Summer 2023 First 6 Week Session, Spring 2023

A survey of economics designed to give an overview of the field.

Introduction to Economics: Read More [+]

### Rules & Requirements

**Credit Restrictions:** Students will receive no units for Economics 1 after passing Economics 2.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture and 2 hours of discussion per week

### Summer:

6 weeks - 6 hours of lecture and 6 hours of discussion per week

8 weeks - 4 hours of lecture and 4 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required, with common exam group.

Introduction to Economics: Read Less [-]

## ECON 2 Introduction to Economics--Lecture Format 4 Units

Terms offered: Fall 2023, Spring 2023, Spring 2022

The course provides a survey of economics principles and methods.

It covers both microeconomics, the study of consumer choice, firm behavior, and market interaction, and macroeconomics, the study of economic growth, unemployment, and inflation. Special emphasis is placed on the application of economic tools to contemporary economic problems and policies. Economics 2 differs from Economics 1 in that it has an additional hour of lecture per week and can thus cover topics in greater depth. It is particularly appropriate for intended economics majors.

Introduction to Economics--Lecture Format: Read More [+]

### Rules & Requirements

**Credit Restrictions:** Students will receive no credit for ECON 2 after completing ECON 1; 2 units after completing ECON 3 or ENVECON 1 or ECON 3/ENVECON 1.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Introduction to Economics--Lecture Format: Read Less [-]

## ECON C3 Introduction to Environmental Economics and Policy 4 Units

Terms offered: Fall 2023, Summer 2023 8 Week Session, Fall 2022, Fall 2021

Introduction to microeconomics with emphasis on resource, agricultural, and environmental issues.

Introduction to Environmental Economics and Policy: Read More [+]

### Rules & Requirements

**Prerequisites:** Mathematics 32

**Credit Restrictions:** Students will receive no credit for ECON C3 after completing ECON 1.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

**Summer:** 8 weeks - 6 hours of lecture and 2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Also listed as:** ENVECON C1

Introduction to Environmental Economics and Policy: Read Less [-]

## ECON 24 Freshman Seminar 1 Unit

Terms offered: Fall 2011, Spring 2008, Fall 2004

The Freshman Seminar Program has been designed to provide new students with the opportunity to explore an intellectual topic with a faculty member in a small seminar setting. Freshman seminars are offered in all campus departments. Topics vary from department to department and semester to semester. Enrollment limited to 15 freshman.

Freshman Seminar: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit when topic changes.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1 hour of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** The grading option will be decided by the instructor when the class is offered. Final Exam To be decided by the instructor when the class is offered.

Freshman Seminar: Read Less [-]

## ECON 84 Sophomore Seminar 1 or 2 Units

Terms offered: Spring 2022, Spring 2021, Spring 2020

Sophomore seminars are small interactive courses offered by faculty members in departments all across the campus. Sophomore seminars offer opportunity for close, regular intellectual contact between faculty members and students in the crucial second year. The topics vary from department to department and semester to semester. Enrollment limited to 15 sophomores.

Sophomore Seminar: Read More [+]

### Rules & Requirements

**Prerequisites:** At discretion of instructor

**Repeat rules:** Course may be repeated for credit when topic changes.

### Hours & Format

**Fall and/or spring:**

5 weeks - 3-6 hours of seminar per week

10 weeks - 1.5-3 hours of seminar per week

15 weeks - 1-2 hours of seminar per week

**Summer:**

6 weeks - 2.5-5 hours of seminar per week

8 weeks - 1.5-3.5 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** The grading option will be decided by the instructor when the class is offered. Final Exam To be decided by the instructor when the class is offered.

Sophomore Seminar: Read Less [-]

## ECON 98 Directed Group Study 1 - 4 Units

Terms offered: Fall 2019, Fall 2016, Fall 2015

Written proposal must be approved by Department Chair. Seminars for the group study of selected topics, which will vary from year to year.

Topics may be initiated by students.

Directed Group Study: Read More [+]

### Rules & Requirements

**Credit Restrictions:** Enrollment is restricted; see the Introduction to Courses and Curricula section of this catalog.

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-4 hours of directed group study per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Offered for pass/not pass grade only. Final exam not required.

Directed Group Study: Read Less [-]

## ECON 100A Microeconomics 4 Units

Terms offered: Fall 2023, Summer 2023 8 Week Session, Spring 2023

This course introduces students to the main tools and concepts of microeconomics. These tools and concepts will serve as a foundation for many upper level economics courses. Topics covered include consumer theory, producer theory, equilibrium in a competitive market, monopoly, general equilibrium, and asymmetric information. This course makes use of calculus. Topics covered are similar to those in 101A.

Microeconomics: Read More [+]

### Rules & Requirements

**Prerequisites:** 1 or 2 or C3, or Environmental Economics and Policy 1, and Mathematics 1A or 16A, and Mathematics 1B or 16B, or equivalent

**Credit Restrictions:** Students will receive no credit for ECON 100A after completing ECON 101A or UGBA 101A. A deficient grade in UGBA 101A may be repeated by taking ECON 100A.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 1-2 hours of discussion per week

**Summer:** 8 weeks - 6-6 hours of lecture and 1.5-4 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Microeconomics: Read Less [-]

## ECON 100B Macroeconomics 4 Units

Terms offered: Fall 2023, Summer 2023 First 6 Week Session, Spring 2023

This course introduces students to the main approaches economists use to describe how the economy works at the aggregate level. Topics covered include economic growth, business cycles, the determinants of aggregate employment, unemployment, and inflation, and the effects of monetary and fiscal policy. This course makes use of calculus. Topics covered are similar to those in 101B.

Macroeconomics: Read More [+]

### Rules & Requirements

**Prerequisites:** 1 or 2, and Mathematics 1A or 16A

**Credit Restrictions:** Students will receive no credit for ECON 100B after completing ECON 101B, UGBA 101B, ECON 102, or ECON S100B.

### Hours & Format

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required, with common exam group.

Macroeconomics: Read Less [-]

## ECON 101A Microeconomics (Math Intensive) 4 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

This course introduces students to the main tools and concepts of microeconomics. These tools and concepts will serve as a foundation for many upper level economics courses. Topics covered include consumer theory, producer theory, equilibrium in a competitive market, monopoly, general equilibrium, game theory, and asymmetric information. Topics covered are similar to those in 100A, but this course uses calculus more intensively and is intended for students with a strong mathematical background.

Microeconomics (Math Intensive): Read More [+]

### Rules & Requirements

**Prerequisites:** 1 or 2, Mathematics 53 or equivalent or consent of instructor

**Credit Restrictions:** Students will receive no credit for ECON 101A after completing ECON 100A, or UGBA 101A.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 1-2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Microeconomics (Math Intensive): Read Less [-]

## ECON 101B Macroeconomics (Math Intensive) 4 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

This course introduces students to the main approaches economists use to describe how the economy works at the aggregate level. Topics covered include economic growth, business cycles, the determinants of aggregate employment, unemployment, and inflation, and the effects of monetary and fiscal policy. This course uses calculus intensively and is intended for students with a strong mathematical background. Topics covered are similar to those in 100B.

Macroeconomics (Math Intensive): Read More [+]

### Rules & Requirements

**Prerequisites:** 1 or 2, and Mathematics 1A and 1B

**Credit Restrictions:** Students will not receive credit for 101B after taking 100B or Undergraduate Business Administration 101B. A deficient grade in Undergraduate Business Administration 101B may be repeated by taking 101B.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 1-2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Macroeconomics (Math Intensive): Read Less [-]

## ECON C102 Natural Resource Economics 4 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Introduction to the economics of natural resources. Land and the concept of economic rent. Models of optimal depletion of nonrenewable resources and optimal use of renewable resources. Application to energy, forests, fisheries, water, and climate change. Resources, growth, and sustainability.

Natural Resource Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 100, or Economics 100A or 100B

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Sunding

**Also listed as:** ENVECON C102

Natural Resource Economics: Read Less [\[-\]](#)

## ECON C103 Introduction to Mathematical Economics 4 Units

Terms offered: Fall 2023, Spring 2023, Fall 2021

Selected topics illustrating the application of mathematics to economic theory. This course is intended for upper-division students in Mathematics, Statistics, the Physical Sciences, and Engineering, and for economics majors with adequate mathematical preparation. No economic background is required.

Introduction to Mathematical Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Math 53 and 54

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Formerly known as:** 103

**Also listed as:** MATH C103

Introduction to Mathematical Economics: Read Less [\[-\]](#)

## ECON 104 Advanced Microeconomic Theory 4 Units

Terms offered: Fall 2022, Spring 2021, Spring 2020

This course explores some issues in advanced microeconomic theory, with special emphasis on game-theoretic models and the theory of choice under uncertainty. Specific applications will vary from year to year, but will generally include topics from information economics and models of strategic interaction.

Advanced Microeconomic Theory: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 101A or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 0-1 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Advanced Microeconomic Theory: Read Less [\[-\]](#)

## ECON 105 History of Economic Thought 4 Units

Terms offered: Fall 2019, Summer 2019 First 6 Week Session, Fall 2018

A survey of the theories of major economists from Adam Smith to Keynes.

History of Economic Thought: Read More [\[+\]](#)

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Summer:

6 weeks - 8 hours of lecture per week

8 weeks - 5.5 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

History of Economic Thought: Read Less [\[-\]](#)

## ECON 106 Advanced Macroeconomics 4 Units

Terms offered: Spring 2021

This class will provide an introduction to the modern analysis of macroeconomic stabilization policies such as monetary policy and fiscal policy. Students will be introduced to modern techniques such as dynamic stochastic general equilibrium models with rational expectations as well as modern techniques for empirically assessing the effects of macroeconomic policies on the economy.

Advanced Macroeconomics: Read More [+]

### Rules & Requirements

**Prerequisites:** Econ 100A (or Econ 101A) and Econ 100B (or Econ 101B) or consent of instructor

**Credit Restrictions:** Students will receive no credit for ECON 106 after completing ECON 106. A deficient grade in ECON 106 may be removed by taking ECON 106.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 1-0 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Advanced Macroeconomics: Read Less [-]

## ECON C110 Game Theory in the Social Sciences 4 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

A non-technical introduction to game theory. Basic principle, and models of interaction among players, with a strong emphasis on applications to political science, economics, and other social sciences.

Game Theory in the Social Sciences: Read More [+]

### Rules & Requirements

**Credit Restrictions:** Students receive no credit for PS C135/PEIS C135/ECON C110 after taking ECON 104. If PS C135/ECON C110/PS W135/ECON N110 is taken and with a passing grade, students can't take the other versions of the course for additional credit. If PS C135/ECON C110/PS W135/ECON N110 is taken and not passed, students can take the other versions to replace grade.

**Repeat rules:** Course may be repeated for credit under special circumstances: PS C135/ECON C110, PS W135 and ECON N110 are similar in content. See Restriction Description.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Formerly known as:** Economics C110, Political Economy of Industrial Soc C135, Political Science C135

**Also listed as:** POL SCI C135

Game Theory in the Social Sciences: Read Less [-]

## ECON N110 Game Theory in the Social Sciences 4 Units

Terms offered: Summer 2023 8 Week Session, Summer 2022 8 Week Session, Summer 2021 8 Week Session

A non-technical introduction to game theory. Basic principle, and models of interaction among players, with a strong emphasis on applications to political science, economics, and other social sciences.

Game Theory in the Social Sciences: Read More [+]

### Rules & Requirements

**Credit Restrictions:** Students will receive no credit for Economics N110 after completing Economics 104, Political Science C135/Political Economy of Industrial Societies/Economics C110.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

**Summer:** 8 weeks - 6 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam not required.

**Formerly known as:** 135

Game Theory in the Social Sciences: Read Less [-]

## ECON 111 Applied Mechanism Design 4 Units

Terms offered: Fall 1974

The course will analyze the roles of individual incentives, target group objectives and outcomes and how they are impacted by group decision making systems. A group decision making system is a way of making group level decisions. We examine this through the lens of game theory and mechanism design and other complementary analytic approaches. For example, we would examine the impact of having alternative election systems. This course draws primarily from microeconomic theory as an anchoring framework to evaluate these systems and individual actions. As with much of behavioral economics where we deal with real complex structures, we borrow from psychology (for behavioral theory) and business and politics (for real world examples).

Applied Mechanism Design: Read More [+]

### Rules & Requirements

**Prerequisites:** -Required: Math 1A/1B or equivalent, Econ 1 or equivalent, Stats 20, 21, W21, 88, 131A, or 135 or equivalent -Preferred: (not required but nice to have for background) Econ 100A /101A (Intermediate Micro), Econ 110(Game Theory), Econ 140/141 (Econometrics)

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 1-0 hours of discussion per week

**Summer:** 8 weeks - 6-6 hours of lecture and 2-0 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Alternate method of final assessment during regularly scheduled final exam group (e.g., presentation, final project, etc.).

Applied Mechanism Design: Read Less [-]

## ECON 113 U.S Economic History 4 Units

Terms offered: Spring 2018, Spring 2017, Spring 2015

A survey of the history of the U.S. economy. Emphasis is on economic events, factors, and explanations, with particular emphasis on economic growth, development, and the distribution of gains and losses associated with growth. A key skill developed during the course is the ability to read, understand, and critique econometric results in current economic history research.

U.S Economic History: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Econ 1 or 2 or C3, or EnvEcon C1; Econ 140 or 141 or EnvEcon/IAS C118

**Credit Restrictions:** Students will receive no credit for ECON 113 after completing ECON N113. A deficient grade in ECON 113 may be removed by taking ECON N113.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

**Summer:** 8 weeks - 6-6 hours of lecture and 0-2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

U.S Economic History: Read Less [\[-\]](#)

## ECON N113 U.S Economic History 4 Units

Terms offered: Summer 2010 8 Week Session, Summer 2009 10 Week Session, Summer 2009 8 Week Session

A survey of the history of the U.S. economy. Emphasis is on economic events, factors, and explanations, with particular emphasis on economic growth, development, and the distribution of gains and losses associated with growth. A key skill developed during the course is the ability to read, understand, and critique econometric results in current economic history research.

U.S Economic History: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Econ 1 or 2 or C3, or EnvEcon C1; Econ 140 or 141 or EnvEcon/IAS C118

**Credit Restrictions:** Students will receive no credit for ECON N113 after completing ECON 113. A deficient grade in ECON N113 may be removed by taking ECON 113.

### Hours & Format

**Summer:** 8 weeks - 8 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

U.S Economic History: Read Less [\[-\]](#)

## ECON 115 The World Economy in the Twentieth Century 4 Units

Terms offered: Spring 2023, Spring 2022, Fall 2021

Development of the world economic system with particular reference to world-wide trading relationships. This course is equivalent to History 160; students will not receive credit for both courses.

The World Economy in the Twentieth Century: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 1 or 2

**Credit Restrictions:** Students will receive no credit for ECON 115 after passing History 160.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 0-1 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

The World Economy in the Twentieth Century: Read Less [\[-\]](#)

## ECON 116 Economic Growth Seminar 4 Units

Terms offered: Prior to 2007

This seminar course will analyze how scholars think about modern economic growth and how people thought about the idea of economics growth before the onset of modern economic growth in the 19th century. Students will read major works by scholars trying to understand economic growth from different perspectives and discuss what these scholars got right and what they got wrong.

Economic Growth Seminar: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Economics 100B or 101B

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Alternative to final exam.

Economic Growth Seminar: Read Less [\[-\]](#)

## ECON 119 Psychology and Economics 4 Units

Terms offered: Fall 2023, Summer 2023 Second 6 Week Session, Fall 2022

This course presents psychological and experimental economics research demonstrating departures from perfect rationality, self-interest, and other classical assumptions of economics and explores ways that these departures can be mathematically modeled and incorporated into mainstream positive and normative economics. The course will focus on the behavioral evidence itself, especially on specific formal assumptions that capture the findings in a way that can be incorporated into economics. The implications of these new assumptions for theoretical and empirical economics will be explored.

Psychology and Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 100A or 101A

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

### Summer:

6 weeks - 8-8 hours of lecture and 0-2 hours of discussion per week

8 weeks - 6-6 hours of lecture and 0-2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Psychology and Economics: Read Less [\[-\]](#)

## ECON 121 Industrial Organization and Public Policy 4 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

The organization and structure of production in the U.S. economy. Determinants of market structure, business behavior, and economic performance. Implications for antitrust policy.

Industrial Organization and Public Policy: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 100A or 101A

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

### Summer:

6 weeks - 8-8 hours of lecture and 0-2 hours of discussion per week

8 weeks - 6-6 hours of lecture and 0-1.5 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Industrial Organization and Public Policy: Read Less [\[-\]](#)

## ECON 122 Industrial Organization Seminar 4 Units

Terms offered: Fall 2012, Spring 2010, Spring 2009

Seminar on problems in the field of industrial organization. Seminar paper is required.

Industrial Organization Seminar: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 121 and/or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam not required.

Industrial Organization Seminar: Read Less [\[-\]](#)

## ECON 123 Government Regulation of Industry 3 Units

Terms offered: Fall 2014, Spring 2014, Spring 2013

Problems of public policy in the field of industrial organization. Analysis of regulatory consequences with particular attention to economic performance.

Government Regulation of Industry: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 121

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Government Regulation of Industry: Read Less [\[-\]](#)

## ECON 124 Special Topics in Industrial Organization 4 Units

Terms offered: Spring 2016, Spring 2015, Spring 2014

Analysis of market structure, conduct and performance in selected industries. See course announcement for current topics.

Special Topics in Industrial Organization: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 121

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Special Topics in Industrial Organization: Read Less [\[-\]](#)

## ECON C125 Environmental Economics 4 Units

Terms offered: Summer 2023 8 Week Session, Spring 2023, Summer 2022 8 Week Session, Spring 2022, Spring 2021

Theories of externalities and public goods applied to pollution and environmental policy. Trade-off between production and environmental amenities. Assessing nonmarket value of environmental amenities. Remediation and clean-up policies. Environment and development. Biodiversity management.

Environmental Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 100, Mathematics 16A-16B, or Economics 100A or 101A

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

**Summer:** 8 weeks - 6 hours of lecture and 2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Zilberman

**Also listed as:** ENVECON C101

Environmental Economics: Read Less [\[-\]](#)

## ECON 127 Antitrust Economics and Law 4 Units

Terms offered: Spring 2023, Spring 2022

We will study both antitrust law and antitrust economics. Antitrust law governs the accumulation and exercise of market power. It prohibits both monopolization and agreements in unreasonable restraint of trade such as price fixing. It also prohibits anticompetitive mergers and a variety of specific competition problems such as exclusive dealing or tying arrangements. Deciding what qualifies as "monopolization," what qualifies as an "unreasonable restraint of trade," what qualifies as "anticompetitive," and more generally how to interpret the prohibitions of antitrust law invariably involves economic analysis. Such economic analysis commonly goes by the name "antitrust economics".

Antitrust Economics and Law: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Intermediate Microeconomics at the level of Economics 100A or 101A is required. Economics 121 is recommended

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Antitrust Economics and Law: Read Less [\[-\]](#)

## ECON 130 Using Economics for Public Policy 4 Units

Terms offered: Fall 2023, Fall 2022, Fall 2021

This course explores how economics can be used to understand and evaluate public policies. We will use both economic theory and empirical evidence to study the varying impacts and incentives created by public policies. An emphasis will be placed on the application of economic tools to policy questions. The course will provide an overview of key research in several policy areas, including inequality and opportunity, the social safety net, education, criminal justice, tax policy, climate change and the environment, health care, and structural barriers to racial equity. The course will also provide an introduction to empirical techniques common in economics and policy analysis, including regression, cost-benefit analysis, and causal inference.

Using Economics for Public Policy: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Economics 1 or 2

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 1-1 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Using Economics for Public Policy: Read Less [\[-\]](#)

## ECON 131 Public Economics 4 Units

Terms offered: Fall 2023, Summer 2023 Second 6 Week Session, Spring 2023

This course focuses on the role of the government in the economy from a theoretical and empirical perspective. The aim of the course is to provide an understanding of the reasons for government intervention in the economy, analyzing the merits of possible government policies, and the response of economic agents to the government's actions. The course covers the analysis of tax policy, social insurance programs, public goods, environmental protection, and the interaction between different levels of government. Special emphasis is set on current government policy issues such as social security reform, income tax reform, and budget deficits.

Public Economics: Read More [a+]

### Rules & Requirements

**Prerequisites:** 100A-100B or 101A-101B

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

### Summer:

6 weeks - 7.5-7.5 hours of lecture and 0-2.5 hours of discussion per week

8 weeks - 5.5-6 hours of lecture and 0-2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Public Economics: Read Less [-]

## ECON 132 Seminar in Public Sector Economics 4 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

Enrollment will be limited. A seminar paper is required.

Seminar in Public Sector Economics: Read More [a+]

### Rules & Requirements

**Prerequisites:** 131 and/or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Seminar in Public Sector Economics: Read Less [-]

## ECON 133 Global Inequality and Growth 4 Units

Terms offered: Fall 2022, Spring 2022, Spring 2021

This course provides an introduction to the analysis of economic inequalities and the interplay between inequality and economic growth. It focuses on three sets of core questions: 1) How does inequality evolve over the path of development? 2) What are the theories that can explain the degree of economic inequalities and its dynamic? 3) How do policies affect inequalities, and what types of policies can foster equitable growth? The course addresses these issues from a global and historical perspective: it comprehensively deals with the United States today, but also with inequality in China, India, Latin America, and Europe, as far back as 1700.

Global Inequality and Growth: Read More [a+]

### Rules & Requirements

**Prerequisites:** Economics 1

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

### Summer:

6 weeks - 10 hours of lecture and 0 hours of discussion per week

8 weeks - 6 hours of lecture and 0 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Zucman

Global Inequality and Growth: Read Less [-]

## ECON 134 Macroeconomic Policy from the Great Depression to Today 4 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

This course will analyze the macroeconomic challenges and policy responses in the United States over the past century. Among the key topics studied are the Great Depression and the New Deal; boom and bust monetary and fiscal policy in the early post-World War II period; the Volcker disinflation and the Great Moderation; and the 2008 financial crisis and the Great Recession.

Macroeconomic Policy from the Great Depression to Today: Read More [+]

### Rules & Requirements

**Prerequisites:** Econ 100B or 101B; and Econ 140 or 141 or EnvEcon/IAS C118

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Romer

Macroeconomic Policy from the Great Depression to Today: Read Less [-]

## ECON 135 Economic Growth in Historical Perspective 4 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

This course examines the idea and reality of economic growth in historical perspective, beginning with the divergence between human ancestors and other primates and continuing through with forecasts for the 21st century and beyond. Topics covered include human speciation, language, and sociability; the discovery of agriculture and the domestication of animals; the origins and maintenance of gross inequality; Malthusian economies; the Commercial and Industrial Revolutions; modern economic growth; international prosperity differentials; OECD convergence and East Asian miracles; the political economy of growth and stagnation; and the stubborn persistence of poverty.

Economic Growth in Historical Perspective: Read More [+]

### Rules & Requirements

**Prerequisites:** Required: Econ 100B or Econ 101B, and Mathematics 1A or 16A, and Mathematics 1B or 16B Recommended: Data Science 8, or equivalent

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 1-0 hours of discussion per week

**Summer:** 8 weeks - 6-6 hours of lecture and 2-0 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Economic Growth in Historical Perspective: Read Less [-]

## ECON 136 Financial Economics 4 Units

Terms offered: Fall 2023, Summer 2023 8 Week Session, Spring 2023  
Analysis of financial assets and institutions. The course emphasizes modern asset valuation theory and the role of financial intermediaries, and their regulation, in the financial system.

Financial Economics: Read More [a]

### Rules & Requirements

**Prerequisites:** 100A or 101A, and one semester of statistics

**Credit Restrictions:** Students will receive no credit for 136 after taking Undergraduate Business Administration 103. Students intending on majoring in Business should not take 136.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

### Summer:

6 weeks - 8-8 hours of lecture and 0-2 hours of discussion per week

8 weeks - 6-6 hours of lecture and 0-2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Financial Economics: Read Less [-]

## ECON N136 Financial Economics 4 Units

Terms offered: Summer 2009 10 Week Session, Summer 2009 8 Week Session, Summer 2008 8 Week Session

Analysis of financial assets and institutions. The course emphasizes modern asset valuation theory and the role of financial intermediaries, and their regulation, in the financial system.

Financial Economics: Read More [a]

### Rules & Requirements

**Prerequisites:** 100A or 101A, and one semester of statistics

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

**Summer:** 8 weeks - 8 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam not required.

Financial Economics: Read Less [-]

## ECON 138 Financial and Behavioral Economics 4 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

This course is an advanced class in Financial Economics. Topics include moral hazard (principal-agent problems, free cash flow), asymmetric Information (security issuance, dividends), mergers and acquisitions (theory, managerial incentives), corporate governance (separation of ownership and control, internal capital markets, superstar CEOs), corporate fraud (earnings manipulations). This class emphasizes the economic underpinning of financial decision-making and is mathematically and technically demanding. You will be required to do some empirical homework using STATA.

Financial and Behavioral Economics: Read More [a]

### Rules & Requirements

**Prerequisites:** 100A or 101A, and Statistics 20, 21, or 25 or any upper division statistics course

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 0-1 hours of discussion per week

### Summer:

6 weeks - 7.5 hours of lecture and 0-2.5 hours of discussion per week

8 weeks - 6 hours of lecture and 0-1.5 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Financial and Behavioral Economics: Read Less [-]

## ECON 139 Asset Pricing and Portfolio Choice 4 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

This undergraduate elective focuses on financial economics, with specific emphasis on asset pricing and the valuation of risky cash flows. After developing and studying the details of consumer decision-making under uncertainty, we use this general framework as a basis for understanding both equilibrium and no-arbitrage theories of securities pricing, including traditional models like the capital asset pricing model and newer Arrow-Debreu theories.

Asset Pricing and Portfolio Choice: Read More [+]

### Rules & Requirements

**Prerequisites:** Students need a basic understanding of the principles of microeconomic theory. Some exposure to linear algebra, probability and statistics is helpful. Required courses: Economics 100A/101A, or equivalent. Recommended courses: Math 54 (linear algebra half), Statistics 20, or equivalent

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Asset Pricing and Portfolio Choice: Read Less [-]

## ECON 140 Econometrics 4 Units

Terms offered: Fall 2023, Summer 2023 8 Week Session, Spring 2023

This course provides an introduction to statistical and estimation analysis of economic data, also known as "Econometrics". It covers topics such as the linear regression model and its estimator, Ordinary Least Squares, as well as extensions such as Instrumental Variables models, panel data models, and time series models. Topics covered in this course are similar to those in 141.

Econometrics: Read More [+]

### Rules & Requirements

**Prerequisites:** Econ 1 or 2 or equivalent, Stats 20, 21, W21, 88, 131A, or 135 or equivalent

**Credit Restrictions:** Students will not receive credit for 140 after taking 141.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1.5 hours of discussion per week

**Summer:** 8 weeks - 6 hours of lecture and 3 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required, with common exam group.

Econometrics: Read Less [-]

## ECON 141 Econometrics (Math Intensive) 4 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

This course provides an introduction to statistical and estimation analysis of economic data, also known as “Econometrics”. It covers topics such as the linear regression model and its estimator, Ordinary Least Squares, as well as extensions such as Instrumental Variables models, panel data models, and time series models. While topics covered in this course are similar to those in 140, the treatment in this course is more theoretical and more mathematical.

Econometrics (Math Intensive): Read More [ + ]

### Rules & Requirements

**Prerequisites:** Econ 1 or 2 or equivalent, Stats 20, 21, W21, 88, 131A, or 135 or equivalent, Math 53 and 54 or equivalent

**Credit Restrictions:** Students will not receive credit for 141 after taking 140.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1.5 hours of discussion per week

**Summer:** 8 weeks - 4 hours of lecture and 3 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Econometrics (Math Intensive): Read Less [ - ]

## ECON C142 Applied Econometrics and Public Policy 4 Units

Terms offered: Spring 2022, Spring 2021, Fall 2020, Spring 2020

This course focuses on the sensible application of econometric methods to empirical problems in economics and public policy analysis. It provides background on issues that arise when analyzing non-experimental social science data and a guide for tools that are useful for empirical research. By the end of the course, students will have an understanding of the types of research designs that can lead to convincing analysis and be comfortable working with large scale data sets.

Applied Econometrics and Public Policy: Read More [ + ]

### Rules & Requirements

**Prerequisites:** 140 or 141 or consent of instructor

**Credit Restrictions:** Students who completed Econ C142 receive no credit for Econ N142.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 1-0 hours of discussion per week

**Summer:** 8 weeks - 6-6 hours of lecture and 2-0 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Alternate method of final assessment during regularly scheduled final exam group (e.g., presentation, final project, etc.).

**Also listed as:** POL SCI C131A/PUB POL C142

Applied Econometrics and Public Policy: Read Less [ - ]

## ECON 143 Econometrics: Advanced Methods and Applications 4 Units

Terms offered: Spring 2023, Spring 2022

This course introduces selected advanced data analysis and inference methods appropriate for economic data. Methods are taught in tandem with real world applications as encountered in policy analysis, industry and consulting work. Equal weight is given to theoretical development, computation and application. Exact topics and applications may vary across offerings. ECON C142 and 143 may be taken independently or together in any order.

Econometrics: Advanced Methods and Applications: Read More [+]

### Rules & Requirements

**Prerequisites:** (i) A first course in econometrics, intermediate statistics or intermediate data science (Ec 140, Ec 141, ENVECON C118, DATA C100 or STAT 135); (ii) Linear algebra (Math 54, Stat 89A or EECS 16A). (iii) Exposure to economic theory at an intermediate level (e.g., Ec 100A, 101A etc.) is preferred, but not required. Prior exposure to scientific computing is also helpful, but not required

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 1-1 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Econometrics: Advanced Methods and Applications: Read Less [-]

## ECON 144 Financial Econometrics 4 Units

Terms offered: Prior to 2007

Since much of financial econometrics is based on time-series data, we will spend the first three weeks introducing/reviewing basic time-series analysis. The course will then start out by discussing the short-run time-series behaviour of stock prices, and present the evidence on short- and long-run predictability of stock returns. We will continue by discussing cross-sectional models and static equilibrium theory, including (but not limited to) the Capital Asset Pricing Model (CAPM) and Arbitrage Pricing Theory (APT). The course will then consider intertemporal equilibrium models, including (but not limited to) Arrow-Debreu pricing theory and the consumption-based CAPM. Finally, the course will look at fixed-income securities and derivative

Financial Econometrics: Read More [+]

### Rules & Requirements

**Prerequisites:** Students need a basic understanding of the principles of finance, as well as introductory econometrics. Working knowledge of multi-variable calculus, linear algebra, and probability and statistics will be assumed. Required courses: Economics 136, Economics 140/141, or equivalent. Recommended courses: Economics 139, or equivalent

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 1-0 hours of discussion per week

**Summer:** 8 weeks - 6-6 hours of lecture and 2-0 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Financial Econometrics: Read Less [-]

## ECON 148 Data Science for Economists 4 Units

Terms offered: Summer 2023 First 6 Week Session, Spring 2023

This course will give the undergraduate student the basic computational building blocks needed to be a good consumer and producer of applied economics work. Students will work to acquire data through APIs, access census data, or download from replication repositories. The course will cover wrangling data, working with incomplete or unstructured data, joining and merging data, exploratory data analysis and data visualization. The course will cover many aspects of preparing data for econometric analysis. Practices around literate code, open science tools, reproducibility, and data management will also be covered.

Data Science for Economists: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Data Science C8/Computer Science C8/Info C8/Statistics C8 or Statistics 20; familiarity with Python recommended

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

**Summer:** 6 weeks - 10 hours of lecture and 0 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Alternative to final exam.

Data Science for Economists: Read Less [\[-\]](#)

## ECON 151 Labor Economics 4 Units

Terms offered: Spring 2023, Summer 2022 First 6 Week Session, Summer 2021 First 6 Week Session

This course provides a general overview of labor markets primarily in the U.S., using the theoretical and empirical tools of modern economics.

Topics include labor force participation, the allocation of time to market work, migration, labor demand and monopsony, investment in human capital like education and on-the-job training, race and gender and discrimination, labor unions, and unemployment. The course will also examine the impacts on work and well-being of government programs such as unemployment insurance, minimum wages, and a negative income tax like the modern earned income credit.

Labor Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 100A or 101A, or consent of instructor

**Credit Restrictions:** Students will receive no credit for ECON 151 after completing ECON 152. A deficient grade in ECON 151 may be removed by taking ECON 152.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Summer:

6 weeks - 7.5 hours of lecture per week

8 weeks - 6 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Labor Economics: Read Less [\[-\]](#)

## ECON 152 Wage Theory and Policy 4 Units

Terms offered: Fall 2021, Spring 2020, Spring 2019

This course focuses on theoretical and empirical analysis of wage and employment determination in the labor market. In addition, the role of public policy in affecting wage and employment outcomes in the U.S. labor market is examined. Topics include labor supply, labor demand, minimum wages, the economics of education and training, discrimination and the impact of antidiscrimination programs, changes in wage inequality over time, immigration, unions, unemployment, and poverty.

Wage Theory and Policy: Read More [+]

### Rules & Requirements

**Prerequisites:** 100A or 101A

**Credit Restrictions:** Students will receive no credit for ECON 152 after completing ECON 151. A deficient grade in ECON 152 may be removed by taking ECON 151.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

**Summer:** 8 weeks - 6 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Wage Theory and Policy: Read Less [-]

## ECON 153 Labor Economics Seminar 4 Units

Terms offered: Fall 2015, Fall 2014, Fall 2006

Topics in labor economics. Seminar paper required.

Labor Economics Seminar: Read More [+]

### Rules & Requirements

**Prerequisites:** 140 or 141, and 151 or 152 and consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam not required.

Labor Economics Seminar: Read Less [-]

## ECON 154 Economics of Discrimination 4 Units

Terms offered: Spring 2018, Spring 2016, Spring 2014

Starting from Becker's classic book on the economics of discrimination, this course will focus on issues of difference and discrimination associated with race, gender, or nation of birth, focusing particularly on credit and housing markets, education, and health care. The course looks carefully at the ways in which econometrics is used to address questions of discrimination.

Economics of Discrimination: Read More [+]

### Rules & Requirements

**Prerequisites:** 140 or 141

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam not required.

Economics of Discrimination: Read Less [-]

## ECON 155 Urban Economics 3 Units

Terms offered: Spring 2023, Summer 2022 First 6 Week Session, Summer 2021 8 Week Session

Application of economic theory to urban problems. Topics covered include location theory, housing, transportation, and the fiscal problems of city government.

Urban Economics: Read More [+]

### Rules & Requirements

**Prerequisites:** 100A or 101A

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Summer:

6 weeks - 8 hours of lecture per week

8 weeks - 6 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Urban Economics: Read Less [-]

## ECON 155A Cities and Public Policy 4 Units

Terms offered: Fall 2022, Spring 2022, Spring 2020

This is an advanced course considering the economic forces governing cities and a host of attendant public policy issues. Topics covered will include theory and evidence on sources of agglomeration economies and urban growth, housing markets, segregation, neighborhood effects, and place-based policies.

Cities and Public Policy: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Intermediate microeconomics (Economics 100A or Economics 101A) and econometrics (Economics 140 or Economics 141)

**Credit Restrictions:** Students will receive no credit for Economics 155A after taking Economics 155.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Kline

Cities and Public Policy: Read Less [\[-\]](#)

## ECON 157 Health Economics 4 Units

Terms offered: Summer 2023 8 Week Session, Spring 2023, Summer 2022 8 Week Session

An economic analysis of policies and institutions in the U.S. health care sector. Topics covered include the supply and demand for health services, conceptual and policy issues relating to the provision of health insurance, and economic analysis of efficient regulatory policies toward the health care sector.

Health Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 100A or 101A

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 0 hours of discussion per week

### Summer:

6 weeks - 8 hours of lecture and 0 hours of discussion per week  
8 weeks - 6-6 hours of lecture and 0-2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Health Economics: Read Less [\[-\]](#)

## ECON 161 Economics of Transition: Eastern Europe 4 Units

Terms offered: Spring 2016, Spring 2015, Fall 2009

Economic behavior under socialism; socialism vs. capitalism. Transition challenges. Stylized facts of transition. Political economy of reform strategies. Liberalization and the macroeconomic environment. Privatization policies and enterprise restructuring. Legal reform, institutional change, and variation in economic performance across countries. Foreign trade and enlargement of the European Union to transition countries. The Washington consensus, transition, and the institutions of capitalism.

Economics of Transition: Eastern Europe: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 100A or 101A

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

**Summer:** 8 weeks - 6 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Economics of Transition: Eastern Europe: Read Less [\[-\]](#)

## ECON 162 The Chinese Economy 3 Units

Terms offered: Fall 2023, Fall 2022, Fall 2021

The Chinese economy, its institutions, reform and transition to the market, and development.

The Chinese Economy: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 100A-100B or 101A-101B

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

**Summer:** 8 weeks - 5.5 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

The Chinese Economy: Read Less [\[-\]](#)

## ECON 165 Money and Banking 4 Units

Terms offered: Not yet offered

This course explores money, financial institutions, markets, central banking, and the interactions between these topics. The aim of the course is to help students answer important questions like: what is money? What are banks? What are central banks and monetary policy? What are interest rates? What is crypto currency? What determines the price of goods and services? What the causes and consequences of financial crises?

Money and Banking: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Econ 100B or 101B; and Econ 140 or 141 or EnvEcon/IAS C118

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Mondragon

Money and Banking: Read Less [\[-\]](#)

## ECON C171 Development Economics 4 Units

Terms offered: Fall 2023, Summer 2023 8 Week Session, Fall 2022, Spring 2022

This course covers theory and empirical evidence on the determinants of economic development and the global fight against poverty. The course aims to introduce students to modern empirical research methods that are being used to inform policy making in developing countries. Students also learn how to implement these tools themselves using real-world data sets and widely used statistical software for impact evaluation.

Development Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** EnvEcon 100 or Econ 100A or 101A; Econ 140 or 141 or EnvEcon/IAS C118

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

### Summer:

6 weeks - 8 hours of lecture and 2 hours of discussion per week

8 weeks - 6 hours of lecture and 2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Also listed as:** ENVECON C151

Development Economics: Read Less [\[-\]](#)

## ECON N171 Economic Development 4 Units

Terms offered: Summer 2015 10 Week Session, Summer 2015 8 Week Session, Summer 2012 8 Week Session

Problems of underdevelopment and poverty, policy issues, and development strategy.

Economic Development: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 100A or 101A or Environmental Economics and Policy 100

### Hours & Format

**Summer:** 8 weeks - 8 hours of lecture and 0 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam not required.

Economic Development: Read Less [\[-\]](#)

## ECON 172 Case Studies in Economic Development 4 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

This course focuses on the process of economic development and growth from a theoretical and empirical perspective. The aim of the course is to provide an understanding of the patterns of socioeconomic development in a selected geographic region (e.g., Sub-Saharan Africa, Latin America, South Asia). The course covers trends in comparative global development, theories of economic growth, and the roles of public health, human capital, climate change, political institutions, and historical factors in shaping contemporary economic outcomes in low- and middle-income countries. Special emphasis is given to applying the econometric methods used to evaluate public policies and anti-poverty interventions. Case Studies in Economic Development: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 100A

**Repeat rules:** Course may be repeated for credit with instructor consent.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

**Summer:** 8 weeks - 6-6 hours of lecture and 0-2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Case Studies in Economic Development: Read Less [\[-\]](#)

## ECON 173 Economic Development Seminar 4 Units

Terms offered: Fall 2010, Fall 2009, Spring 2009

A seminar paper will be required.

Economic Development Seminar: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 171 or 172 and consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam not required.

Economic Development Seminar: Read Less [\[-\]](#)

## ECON 174 Global Poverty and Impact Evaluation 4 Units

Terms offered: Fall 2023, Fall 2021, Spring 2021

There are a countless number of potential policies and programs to address the causes and consequences of poverty. However, how should one determine which of these is actually effective in improving the lives of the poor? This course explores a variety of empirical tools to rigorously measure the impact of development programs. Through weekly case studies of field research, students will learn impact evaluation theory and methods, and apply them to concrete examples from the development literature.

Global Poverty and Impact Evaluation: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Econ 100A or 101A or 100B or 101B; and Econ 140 or 141 or EnvEcon/IAS C118

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Miguel

Global Poverty and Impact Evaluation: Read Less [\[-\]](#)

## ECON C175 Economic Demography 4 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

A general introduction to economic demography, addressing the following kinds of questions: What are the economic consequences of immigration to the U.S.? Will industrial nations be able to afford the health and pension costs of the aging populations? How has the size of the baby boom affected its economic well being? Why has fertility been high in Third World countries? In industrial countries, why is marriage postponed, divorce high, fertility so low, and extramarital fertility rising? What are the economic and environmental consequences of rapid population growth? Economic Demography: Read More [ + ]

### Rules & Requirements

**Prerequisites:** Economics 1 or 2

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

### Summer:

6 weeks - 7.5-7.5 hours of lecture and 0-2.5 hours of discussion per week  
8 weeks - 6-6 hours of lecture and 0-2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Lee

**Formerly known as:** Demography C175, Economics C175

**Also listed as:** DEMOG C175

Economic Demography: Read Less [ - ]

## ECON N175 Economic Demography 3 Units

Terms offered: Summer 2013 10 Week Session, Summer 2013 8 Week Session

A general introduction to economic demography, addressing the following kinds of questions: What are the economic consequences of immigration to the U.S.? Will industrial nations be able to afford the health and pension costs of the aging populations? How has the size of the baby boom affected its economic well being? Why has fertility been high in Third World countries? In industrial countries, why is marriage postponed, divorce high, fertility so low, and extramarital fertility rising? What are the economic and environmental consequences of rapid population growth? Economic Demography: Read More [ + ]

### Rules & Requirements

**Prerequisites:** Economics 1 or 2

**Credit Restrictions:** Students will receive no credit for Economics N175 after taking Economics C175/Demography C175; Economics 175/Demography 175. A deficient grade in Economics C175/Demography C175 may be removed by taking Economics N175.

### Hours & Format

**Summer:** 8 weeks - 6 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Economic Demography: Read Less [ - ]

## ECON C181 International Trade 4 Units

Terms offered: Fall 2023, Fall 2022, Fall 2021

The theory of international trade and its applications to tariff protection. This course is equivalent to UGBA 118; students will not receive credit for both courses.

International Trade: Read More [ + ]

### Rules & Requirements

**Prerequisites:** Economics100A-100B or Economics 101A-101B

**Credit Restrictions:** Students will receive no credit for ECON C181/ ENVECON C181 after passing ECON 181, ECON N181 or UGBA 118. A deficient grade in ECON 181, or ECON N181 may be removed by taking ECON C181/ENVECON C181.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

**Summer:** 8 weeks - 6 hours of lecture and 2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Also listed as:** ENVECON C181

International Trade: Read Less [ - ]

## ECON N181 International Trade 4 Units

Terms offered: Summer 2018 First 6 Week Session, Summer 2017 First 6 Week Session, Summer 2016 First 6 Week Session

The theory of international trade and its applications to tariff protection.

International Trade: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Economics 100A-100B or Economics 101A-101B

**Credit Restrictions:** Students will receive no credit for Economics N181 after passing Economics 181 or Economics C181/Environmental Economics C181. A deficient grade in Economics 181, Economics C181/Environment Economics C181 may be removed by taking Economics N181.

### Hours & Format

#### Summer:

6 weeks - 10 hours of lecture per week

8 weeks - 8 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam not required.

International Trade: Read Less [\[-\]](#)

## ECON 182 International Monetary Economics 4 Units

Terms offered: Fall 2021, Spring 2021, Fall 2020

The balance of payments, the determination of the trade balance and income under fixed and floating exchange rates, money and prices in open economies, the internationalization of financial markets and its implications, international macroeconomic interdependence, capital flows, and the determination of the exchange rate.

International Monetary Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 100A-100B or 101A-101B

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 0-1 hours of discussion per week

**Summer:** 8 weeks - 7.5 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

International Monetary Economics: Read Less [\[-\]](#)

## ECON 183 International Economic Seminar 4 Units

Terms offered: Spring 2022, Spring 2021, Spring 2020

This small seminar course is designed to introduce students to a set of current policy controversies in international economics and provide an opportunity for them to apply to these policy debates the analytical tools encountered in previous courses (such as Economics 100B or 101B). Students will make a class presentation, write several short papers, as well as submitting a final paper.

International Economic Seminar: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Economics 100B or 101B or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Alternative to final exam.

International Economic Seminar: Read Less [\[-\]](#)

## ECON C184 International Environmental Economics 4 Units

Terms offered: Fall 2023, Fall 2022, Fall 2021

This course studies the following question: How should policymakers and scholars design and analyze environmental policy in a globalized world where much economic activity and pollution crosses political borders?

The course addresses issues including climate change, air and water pollution, deforestation, species extinction, and others. The course also analyzes a variety of ways that countries and regions interact, including trade, foreign direct investment, outsourcing, international agreements and treaties, and others. The course also teaches a range of tools used to analyze these issues, including life-cycle (also called environmental footprint) analysis, simple econometrics, environmental market design, non-market valuation, and the data.

International Environmental Economics: Read More [+]

### Objectives & Outcomes

**Course Objectives:** 1. Develop a strong grasp of the main debates and ideas involving international environmental economics

2. Learn to interpret, apply, and critically assess methods used to study international environmental economic issues
3. Build skills in reading basic economic writing involving these issues, including an understanding of their evidence and conclusions, and ability to critically evaluate the basis for these conclusion

### Student Learning Outcomes: 1.

A strong grasp of the main scholarly debates and ideas involving international environmental economics

2.

The ability to interpret and critically assess methods used to study international environmental economic issues, including: life-cycle analysis and input-output tables;

simple econometric estimates;

the design of environmental policy;

non-market valuation;

and the use of remote sensing (satellite) data

The ability to read basic empirical environmental economics papers, understand their evidence and conclusions, and critically evaluate the basis for these conclusions

### Rules & Requirements

**Prerequisites:** ENVECON 100, ECON 101a, ECON 100a or equivalent

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Shapiro

**Also listed as:** ENVECON C132

International Environmental Economics: Read Less [-]

## ECON 191 Topics in Economic Research 4 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

This course discusses recent research and policy developments. The core objective is to expose students to different aspects of research in economics. A sequence of five different frontier research topics are studied in depth each semester. Each topic lasts three weeks, during which students will familiarize themselves with cutting-edge economic research and methodology. Students will then develop their own research ideas and write two medium-size research papers.

Topics in Economic Research: Read More [+]

### Rules & Requirements

**Prerequisites:** 100A or 100B

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam not required.

Topics in Economic Research: Read Less [-]

## ECON H195A Senior Honors Thesis 1 - 3 Units

Terms offered: Fall 2023, Fall 2022, Fall 2021

Preparation for writing a thesis, finding and organizing a topic, gathering data and getting started. H195A is not prerequisite to H195B.

Senior Honors Thesis: Read More [+]

### Rules & Requirements

**Prerequisites:** Senior honors candidates only (students with major GPA of 3.50 or better or permission of instructor.)

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-3 hours of independent study per week

### Summer:

6 weeks - 1-5 hours of independent study per week

8 weeks - 1-4 hours of independent study per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Offered for pass/not pass grade only. Final exam not required.

Senior Honors Thesis: Read Less [-]

## ECON H195AS Senior Honors Thesis 1 - 3 Units

Terms offered: Prior to 2007

Preparation and writing of an honors thesis under the supervision of a member of the faculty. H195AS is not a prerequisite to H195BS.

Senior Honors Thesis: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** Senior honors candidates only, with major GPA of 3.5 or better. Permission of undergraduate adviser

### Hours & Format

**Summer:** 15 weeks - 1-3 hours of independent study per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Offered for pass/not pass grade only. Final exam required.

Senior Honors Thesis: [Read Less](#) [-]

## ECON H195B Senior Honors Thesis 1 - 3 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

Writing a thesis under the supervision of a faculty member. Applications and details through the departmental undergraduate office. H195A is not prerequisite to H195B.

Senior Honors Thesis: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** Senior honors candidates only (students with major GPA of 3.50 or better or permission of undergraduate adviser)

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-3 hours of independent study per week

### Summer:

6 weeks - 1-5 hours of independent study per week

8 weeks - 1-4 hours of independent study per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam not required.

Senior Honors Thesis: [Read Less](#) [-]

## ECON H195BS Senior Honors Thesis 1 - 3 Units

Terms offered: Prior to 2007

Preparation and writing of an honors thesis under the supervision of a member of the faculty.

Senior Honors Thesis: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** Senior honors candidates only, with major GPA of 3.5 or better. Permission of undergraduate adviser

### Hours & Format

**Summer:** 15 weeks - 1-3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Senior Honors Thesis: [Read Less](#) [-]

## ECON 196 Special Topics in Economics 1 - 4 Units

Terms offered: Fall 2023, Spring 2019, Fall 2018

Study in various fields of economics. Topics will vary from semester to semester and will be announced at the beginning of each semester.

Special Topics in Economics: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** Upper division standing or consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-4 hours of lecture per week

### Summer:

6 weeks - 2.5-10 hours of lecture per week

8 weeks - 1.5-7.5 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Special Topics in Economics: [Read Less](#) [-]

## ECON 197 Field Studies 1 - 4 Units

Terms offered: Fall 2023, Summer 2023 8 Week Session, Summer 2023 Second 6 Week Session

Written proposal must be approved by Department Chair. Supervised field studies in economics. Projects may be initiated by the students.

Field Studies: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** Upper-division standing

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-4 hours of independent study per week

#### Summer:

6 weeks - 1-5 hours of independent study per week

8 weeks - 1-4 hours of independent study per week

10 weeks - 1.5-6 hours of independent study per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Offered for pass/not pass grade only. Final exam not required.

Field Studies: [Read Less](#) [-]

## ECON 198 Directed Group Study 1 - 4 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Written proposal must be approved by Department Chair. Seminars for the group study of selected topics, which will vary from year to year.

Topics may be initiated by students.

Directed Group Study: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** Upper-division standing and consent of instructor

**Credit Restrictions:** Enrollment is restricted; see the Introduction to Courses and Curricula section of this catalog.

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-4 hours of directed group study per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Offered for pass/not pass grade only. Final exam not required.

Directed Group Study: [Read Less](#) [-]

## ECON 199 Supervised Independent Study and Research 1 - 4 Units

Terms offered: Summer 2023 8 Week Session, Summer 2023 Second 6 Week Session, Spring 2023

Written proposal must be approved by Department Chair. Enrollment is restricted.

Supervised Independent Study and Research: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** Consent of Instructor

**Credit Restrictions:** Enrollment is restricted; see the Introduction to Courses and Curricula section of this catalog.

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-2 hours of independent study per week

#### Summer:

6 weeks - 1-5 hours of independent study per week

8 weeks - 1-4 hours of independent study per week

10 weeks - 1.5-6 hours of independent study per week

### Additional Details

**Subject/Course Level:** Economics/Undergraduate

**Grading/Final exam status:** Offered for pass/not pass grade only. Final exam not required.

Supervised Independent Study and Research: [Read Less](#) [-]

## ECON 201A Economic Theory 4 Units

Terms offered: Fall 2023, Fall 2022, Fall 2021

Basic preparation for the Ph.D. program including theory of the firm and the consumer, game theory.

Economic Theory: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** 101A-101B, 204, Mathematics 53 and 54; or equivalent

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Economic Theory: [Read Less](#) [-]

## ECON 201B Economic Theory 4 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

Basic preparation for the Ph.D. program including agency theory and mechanism design, general equilibrium theory.

Economic Theory: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 101A-101B, 201A, 204, Mathematics 53 and 54; or equivalent

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Economic Theory: Read Less [\[-\]](#)

## ECON 202A Macroeconomics 4 Units

Terms offered: Fall 2023, Fall 2022, Fall 2021

Basic preparation for the Ph.D. program including aggregation theory, national accounting and index problems, survey of major short-term models, implications of various expectations hypotheses, wage price determination, the role of money and financial assets, theories of consumption and investment, disequilibrium theory, dynamic systems, and international considerations.

Macroeconomics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 100A-100B or 101A-101B or equivalent. Mathematics 53 and 54 or equivalent

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Macroeconomics: Read Less [\[-\]](#)

## ECON 202B Macroeconomics 4 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

Basic preparation for the Ph.D. program including aggregation theory, national accounting and index problems, survey of major short-term models, implications of various expectations hypotheses, wage price determination, the role of money and financial assets, theories of consumption and investment, disequilibrium theory, dynamic systems, and international considerations.

Macroeconomics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 100A-100B or 101A-101B or equivalent. Mathematics 50A or equivalent

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Macroeconomics: Read Less [\[-\]](#)

## ECON 204 Mathematical Tools for Economics 3 Units

Terms offered: Fall 2023, Summer 2023 3 Week Session, Fall 2022

The course provides a rigorous abstract treatment of the elements of real analysis and linear algebra central to current research in economics. The course develops in the students the ability to read mathematical proofs and to compose simple proofs on their own.

Mathematical Tools for Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Mathematics 53 and 54 or equivalent and consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture and 1 hour of discussion per week

**Summer:** 3 weeks - 10 hours of lecture and 5 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Mathematical Tools for Economics: Read Less [\[-\]](#)

## ECON 206 Mechanism Design and Agency Theory 3 Units

Terms offered: Spring 2023, Spring 2019, Spring 2018

This course will study the optimal design of mechanisms in the presence of incomplete information and imperfect observability. The course will begin with the "classic" principal-agent problem and will then develop its applications to the "implicit contracts" theory of agency and to the choice of government policies for regulated industries. The second half of the course will treat the design of auctions, regulation with costly or imperfect monitoring, mechanism design with limited contracts.

Mechanism Design and Agency Theory: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 201B and 209A or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Formerly known as:** 209B

Mechanism Design and Agency Theory: Read Less [\[-\]](#)

## ECON 207A Mathematical Economics 3 Units

Terms offered: Fall 2023, Fall 2022, Spring 2022

Mathematical analysis of economic theory. The problems treated involve as wide a range of mathematical techniques and of economic topics as possible, including theories of preference, utility, demand, personal probability, games and general equilibrium. Also listed as IDS 213A-213B and Math 213A-213B.

Mathematical Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Math 104 and 110 and Statistics 101

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Mathematical Economics: Read Less [\[-\]](#)

## ECON 207B Mathematical Economics 3 Units

Terms offered: Spring 2020, Spring 2015, Spring 2011

Mathematical analysis of economic theory. The problems treated involve as wide a range of mathematical techniques and of economic topics as possible, including theories of preference, utility, demand, personal probability, games and general equilibrium. Also listed as IDS 213A-213B and Math 213A-213B.

Mathematical Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Math 104 and 110 and Statistics 101

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Mathematical Economics: Read Less [\[-\]](#)

## ECON 208 Microeconomic Theory Seminar 3 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Microeconomic Theory Seminar: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Microeconomic Theory Seminar: Read Less [\[-\]](#)

## ECON 209A Theory and Application of Non-Cooperative Games 3 Units

Terms offered: Fall 2013, Fall 2012, Fall 2011

This course will study both pure game theory and its application to such problems as oligopoly pricing, non-cooperative bargaining, predatory pricing, and optimal auctions. The focus will be on game theory as a modelling process as opposed to a body of known results.

Theory and Application of Non-Cooperative Games: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Theory and Application of Non-Cooperative Games: Read Less [\[-\]](#)

## ECON 209B Theory and Application of Non-Cooperative Games: II 3 Units

Terms offered: Spring 2016, Spring 2015, Spring 2014

The course will cover basic topics not covered in 209A; will provide a more thorough treatment of topics covered in 209A; will cover a selection of advanced topics.

Theory and Application of Non-Cooperative Games: II: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 209A or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Theory and Application of Non-Cooperative Games: II: Read Less [\[-\]](#)

## ECON 210A Introduction to Economic History 3 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

Survey of some central themes in world economic history. Required of all Ph.D. candidates in economics.

Introduction to Economic History: Read More [\[+\]](#)

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Introduction to Economic History: Read Less [\[-\]](#)

## ECON 210B Topics in European Economic History 3 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

A survey of some central themes in European economic history.

Topics in European Economic History: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 210A

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Topics in European Economic History: Read Less [\[-\]](#)

## ECON 210C Topics in American Economic History 3 Units

Terms offered: Fall 2018, Fall 2016, Fall 2013

A survey of some central themes in American economic history.

Topics in American Economic History: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 210A

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Topics in American Economic History: Read Less [\[-\]](#)

## ECON 211 Seminar in Economic History 3 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Seminar in Economic History: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Seminar in Economic History: Read Less [\[-\]](#)

## ECON 215A Political Economics 3 Units

Terms offered: Fall 2017, Fall 2016, Fall 2015

Tools of political economics: preferences and institutions, electoral competition, agency, partisan politics. Redistributive politics: general interest politics, special interest politics. Comparative politics: electoral rules, separation of powers, political regimes. Dynamic politics: fiscal policy, growth.

Political Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 215A is a prerequisite to 215B

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Instructor:** Roland

Political Economics: Read Less [\[-\]](#)

## ECON 215B Political Economics 3 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

Tools of political economics: preferences and institutions, electoral competition, agency, partisan politics. Redistributive politics: general interest politics, special interest politics. Comparative politics: electoral rules, separation of powers, political regimes. Dynamic politics: fiscal policy, growth.

Political Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 215A is a prerequisite to 215B

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Instructor:** Roland

Political Economics: Read Less [\[-\]](#)

## ECON C215A Political Economics 3 Units

Terms offered: Fall 2023, Fall 2022, Fall 2021, Fall 2010, Fall 2009

Tools of political economics: preferences and institutions, electoral competition, agency, partisan politics. Redistributive politics: general interest politics, special interest politics. Comparative politics: electoral rules, separation of powers, political regimes. Dynamic politics: fiscal policy, growth.

Political Economics: Read More [\[+\]](#)

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Also listed as:** POL SCI C237A

Political Economics: Read Less [\[-\]](#)

## ECON C215B Political Economics 3 Units

Terms offered: Prior to 2007

Tools of political economics: preferences and institutions, electoral competition, agency, partisan politics. Redistributive politics: general interest politics, special interest politics. Comparative politics: electoral rules, separation of powers, political regimes. Dynamic politics: fiscal policy, growth.

Political Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** ECON C215A is a prerequisite to ECON C215B, and POL SCI C237A is a prerequisite to POL SCI C237B

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Also listed as:** POL SCI C237B

Political Economics: Read Less [\[-\]](#)

## ECON 217 Risk Seminar 3 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

This interdisciplinary seminar features seminar participants and guest speakers from academic institutions and financial services firms, presenting work on the analysis and management of risk in financial markets. Economics, statistics, finance, operations research, and other disciplines will be represented.

Risk Seminar: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** Consent of instructor. Graduate standing

**Credit Restrictions:** Students will receive no credit for Economics 217 after completing Statistics 278B.

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Offered for satisfactory/unsatisfactory grade only.

**Instructors:** Goldberg, Anderson

Risk Seminar: [Read Less](#) [-]

## ECON 218 Seminar in Psychology and Economics 3 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

A graduate seminar in the field of behavioral economics.

Seminar in Psychology and Economics: [Read More](#) [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Instructors:** Della Vigna, Koszegi, Rabin

Seminar in Psychology and Economics: [Read Less](#) [-]

## ECON 219A Foundations of Psychology and Economics 3 Units

Terms offered: Fall 2023, Fall 2022, Fall 2021

This course presents psychological and experimental economics research demonstrating departures from perfect rationality, self-interest, and other classical assumptions of economics and explores ways that these departures can be mathematically modeled and incorporated into mainstream positive and normative economics. The course will focus on the behavioral evidence itself, especially on specific formal assumptions that capture the findings in a way that can be used by economists. Economic applications will be used for illustrative purposes, but the course will emphasize formal theory.

Foundations of Psychology and Economics: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** 201A-201B or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Foundations of Psychology and Economics: [Read Less](#) [-]

## ECON 219B Applications of Psychology and Economics 3 Units

Terms offered: Spring 2023, Spring 2022, Fall 2020

This course will build off of the material presented in 219A. It will expand on the psychological and experimental economic research presented there, but will emphasize a range of economic applications and especially empirical research.

Applications of Psychology and Economics: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** 219A, 240A-240B or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Applications of Psychology and Economics: [Read Less](#) [-]

## ECON 220A Industrial Organization 3 Units

Terms offered: Fall 2023, Fall 2022, Spring 2022

Market structure, conduct and performance in the unregulated sector of the American economy. Public policies related to the promotion or restriction of competition.

Industrial Organization: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 201A

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Industrial Organization: Read Less [\[-\]](#)

## ECON 220B Industrial Organization 3 Units

Terms offered: Spring 2023, Fall 2021, Fall 2020

Continuation of 220A. The characteristics of regulated industries and the consequences of regulation for economic performance.

Industrial Organization: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 220A

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Industrial Organization: Read Less [\[-\]](#)

## ECON 220C Special Topics in Industrial Organization 3 Units

Terms offered: Spring 2023, Spring 2020, Spring 2019

See course announcement for current topics.

Special Topics in Industrial Organization: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 220A

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Special Topics in Industrial Organization: Read Less [\[-\]](#)

## ECON 221 Seminar in Industrial Organization: Regulation and Public Enterprise 3 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Seminar in Industrial Organization: Regulation and Public Enterprise:

Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Seminar in Industrial Organization: Regulation and Public Enterprise:

Read Less [\[-\]](#)

## ECON C222 Economics of Innovation 3 Units

Terms offered: Fall 2020, Fall 2018, Fall 2016, Spring 2016, Fall 2015

Study of innovation, technical change, and intellectual property, including the industrial organization and performance of high-technology industries and firms; the use of economic, patent, and other bibliometric data for the analysis of technical change; legal and economic issues of intellectual property rights; science and technology policy; and the contributions of innovation and diffusion to economic growth. Methods of analysis are both theoretical and empirical, econometric and case study.

Economics of Innovation: Read More [\[+\]](#)

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Also listed as:** PHDBA C279I

Economics of Innovation: Read Less [\[-\]](#)

## ECON 224 Economics of Institutions 3 Units

Terms offered: Spring 2016, Spring 2015, Fall 2012

This course develops the proposition that institutions have pervasive ramifications for understanding economic organization. A comparative institutional approach is employed whereby the transaction is made the basic unit of analysis and alternative modes of organization are assessed with respect to their comparative contracting properties.

Economics of Institutions: Read More [\[+\]](#)

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Economics of Institutions: Read Less [\[-\]](#)

## ECON C225 Workshop in Institutional Analysis 2 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022, Fall 2015, Fall 2014, Fall 2013

This seminar features current research of faculty, from UC Berkeley and elsewhere, and of advanced doctoral students who are investigating the efficacy of economic and non-economic forms of organization. An interdisciplinary perspective--combining aspects of law, economics, and organization--is maintained. Markets, hierarchies, hybrids, bureaus, and the supporting institutions of law and politics all come under scrutiny. The aspiration is to progressively build toward a new science of organization.

Workshop in Institutional Analysis: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Economics 100 or 101; Business Administration 110 or equivalent; or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Offered for satisfactory/unsatisfactory grade only.

**Also listed as:** PHDBA C270

Workshop in Institutional Analysis: Read Less [\[-\]](#)

## ECON 230A Public Economics 3 Units

Terms offered: Fall 2023, Fall 2022, Fall 2021

The economic and policy analysis of government expenditures, taxes, and intergovernmental fiscal relations. 230A is not a prerequisite for 230B.

Public Economics: Read More [\[+\]](#)

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Public Economics: Read Less [\[-\]](#)

## ECON 230B Public Economics 3 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

Government intervention changes opportunities and incentives for firms, families, individuals, service providers, and state and local government. This course considers the incentive effects of government expenditure programs. The primary emphasis will be in the examination of the effect of social expenditure programs on individuals and families. Most of the papers will be empirical. The course will not contain an explicit section on methodology and econometric techniques; instead, relevant econometric techniques (e.g., discrete choice, duration analysis) will be discussed in the context of the empirical literature.

Public Economics: Read More [\[+\]](#)

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Public Economics: Read Less [\[-\]](#)

## ECON 230C Public Sector Microeconomics 3 Units

Terms offered: Spring 2009, Spring 1999

The economic and policy analysis of government expenditures, taxes, and intergovernmental fiscal relations.

Public Sector Microeconomics: Read More [\[+\]](#)

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Public Sector Microeconomics: Read Less [\[-\]](#)

## ECON 231 Seminar in Public Sector Economics 3 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Seminar in Public Sector Economics: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** Consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Seminar in Public Sector Economics: [Read Less](#) [-]

## ECON 234A Macroeconomic Finance 3 Units

Terms offered: Spring 2012, Spring 2011, Fall 2009

Introduction to macroeconomic finance. Course covers static portfolio choice, capital asset pricing model (CAPM), consumption based models, dynamic equilibrium asset pricing theories, and current issues in behavioral finance. Strong emphasis on household finance and risk-sharing. Course is both theoretical and empirical.

Macroeconomic Finance: [Read More](#) [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Formerly known as:** 236D

Macroeconomic Finance: [Read Less](#) [-]

## ECON 234C Financial Decision-Making in Firms 3 Units

Terms offered: Spring 2017, Spring 2015, Spring 2014

This course provides a theoretical and empirical treatment of the core topics in corporate finance including internal corporate investment; external corporate investment (mergers and acquisitions); capital structure and financial contracting; bankruptcy; corporate governance. Financial Decision-Making in Firms: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** 240A-240B or equivalent

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Financial Decision-Making in Firms: [Read Less](#) [-]

## ECON C234C Empirical Corporate Finance 3 Units

Terms offered: Spring 2023, Spring 2022, Fall 2020, Spring 2020

This course provides a theoretical and empirical treatment of the core topics in corporate finance including internal corporate investment; external corporate investment (mergers and acquisitions); capital structure and financial contracting; bankruptcy; corporate governance. Empirical Corporate Finance: [Read More](#) [+]

### Rules & Requirements

**Prerequisites:** ECON 240A-240B or equivalent

**Credit Restrictions:** Students who have passed ECON 234C are not eligible to also receive credit for passing ECON C234C.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Instructor:** Malmendier

**Also listed as:** PHDBA 239FD

Empirical Corporate Finance: [Read Less](#) [-]

## ECON 235 Financial Economics Seminar 3 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

This course presents speakers who work on the boundary of economics and finance, on topics including asset pricing, behavioral finance, and corporate finance.

Financial Economics Seminar: Read More [\[+\]](#)

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Financial Economics Seminar: Read Less [\[-\]](#)

## ECON 236A Advanced Macroeconomics I 3 Units

Terms offered: Fall 2023, Fall 2022, Fall 2021

Macroeconomic models; theory and practice of aggregate economics; rational expectations models; finance theory integrated with macro.

Advanced Macroeconomics I: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** For 236A: 201A-201B and 202A-202B. For 236B: 236A

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Advanced Macroeconomics I: Read Less [\[-\]](#)

## ECON 236B Advanced Macroeconomics II 3 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

Macroeconomic models; theory and practice of aggregate economics; rational expectations models; finance theory integrated with macro.

Advanced Macroeconomics II: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** For 236A: 201A-201B and 202A-202B. For 236B: 236A

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Advanced Macroeconomics II: Read Less [\[-\]](#)

## ECON 236D Behavioral Macroeconomics 3 Units

Terms offered: Spring 2021, Fall 2006

This course focuses on incorporating insights from behavioral economics into macroeconomic analysis.

Behavioral Macroeconomics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Economics 202A or their equivalents. Economics 202B, Economics 219A/B will be useful, but not required Admission will be automatic for regular Berkeley PhD students. Undergraduate and master students who have an interest in economics graduate studies are also encouraged to consider taking the course, but with instructor's consent

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Behavioral Macroeconomics: Read Less [\[-\]](#)

## ECON 237 Seminar in Advanced Macroeconomics and Money 3 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Seminar in Advanced Macroeconomics and Money: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Seminar in Advanced Macroeconomics and Money: Read Less [\[-\]](#)

## ECON 240A Econometrics 5 Units

Terms offered: Fall 2023, Fall 2022, Fall 2021

Basic preparation for the Ph.D. program including probability and statistical theory and the classical linear regression model.

Econometrics: Read More [+]

### Rules & Requirements

**Prerequisites:** 100A or 101A or equivalent; 100B or 101B or equivalent; Mathematics 53 and 54, or equivalent; Statistics 131A or equivalent

### Hours & Format

**Fall and/or spring:** 15 weeks - 4 hours of lecture and 2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Formerly known as:** 240

Econometrics: Read Less [-]

## ECON 240B Econometrics 4 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

Basic preparation for the Ph.D. program including generalized least squares; instrumental variables estimation; generalized method of moments; time series analysis; and nonlinear models.

Econometrics: Read More [+]

### Rules & Requirements

**Prerequisites:** 240A or equivalent

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Econometrics: Read Less [-]

## ECON 241A Econometrics 2 Units

Terms offered: Spring 2023, Spring 2022, Spring 2020

Intended for students specializing in econometrics and others with strong mathematical backgrounds. Linear and nonlinear statistical models and their applications in economics. Special problems in analyzing data from non-controlled experiments.

Econometrics: Read More [+]

### Rules & Requirements

**Prerequisites:** Econ 240A,B; linear algebra; multivariable calculus; basic probability and inference theory

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Econometrics: Read Less [-]

## ECON 241B Econometrics 2 Units

Terms offered: Fall 2023, Fall 2022, Spring 2022

This course will cover fundamentals of time series econometrics. It is intended both for students specializing in econometric theory and for students interested in applying time series methods to economic data.

Econometrics: Read More [+]

### Rules & Requirements

**Prerequisites:** Econ 240A-B, or equivalent

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Econometrics: Read Less [-]

## ECON 241C Econometrics 2 Units

Terms offered: Fall 2023, Spring 2023, Spring 2022

This course focuses on examples of nonlinear semi-parametric econometrics models.

Econometrics: Read More [ + ]

### Rules & Requirements

**Prerequisites:** Econ 240A-B; linear algebra; multivariable calculus, basic probability and inference theory

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Econometrics: Read Less [ - ]

## ECON 242 Seminar in Econometrics 3 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Seminar in Econometrics: Read More [ + ]

### Rules & Requirements

**Prerequisites:** 240A-240B

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Seminar in Econometrics: Read Less [ - ]

## ECON 244 Applied Econometrics 3 Units

Terms offered: Spring 2023, Fall 2021, Spring 2021

Methods of applied econometrics, with emphasis on alternative modelling strategies and problems met in practice. Intended for doctoral students conducting empirical research.

Applied Econometrics: Read More [ + ]

### Rules & Requirements

**Prerequisites:** 240A-240B

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Applied Econometrics: Read Less [ - ]

## ECON 250A Labor Economics 3 Units

Terms offered: Spring 2023, Fall 2021, Spring 2021

Analysis of labor market behavior.

Labor Economics: Read More [ + ]

### Rules & Requirements

**Prerequisites:** 250A is prerequisite to 250B. Consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Labor Economics: Read Less [ - ]

## ECON 250B Labor Economics 3 Units

Terms offered: Fall 2023, Fall 2022, Spring 2022

Analysis of labor market behavior.

Labor Economics: Read More [ + ]

### Rules & Requirements

**Prerequisites:** 250A is prerequisite to 250B. Consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Labor Economics: Read Less [ - ]

## ECON 250C Labor Economics 3 Units

Terms offered: Fall 2014, Spring 2013, Spring 2012

Analysis of labor market behavior.

Labor Economics: Read More [ + ]

### Rules & Requirements

**Prerequisites:** 250B

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Labor Economics: Read Less [ - ]

## ECON 251 Seminar in Labor Economics 3 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Seminar for students at the doctoral dissertation level.

Seminar in Labor Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Seminar in Labor Economics: Read Less [\[-\]](#)

## ECON 260A Comparative Economics 3 Units

Terms offered: Fall 2023, Fall 2021, Fall 2020

New issues raised by transition for economics. Political economy of reform: speed, sequencing, reform design, political economy of privatization. Allocative changes: speed of sectoral reallocation, price liberalization, output fall and macroeconomic dynamics, law enforcement, dynamics of institutional change.

Comparative Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 260A is prerequisite to 260B

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Instructor:** Roland

Comparative Economics: Read Less [\[-\]](#)

## ECON 270B Development Economics 3 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

Problems of underdevelopment and poverty, policy issues and development strategies.

Development Economics: Read More [\[+\]](#)

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Development Economics: Read Less [\[-\]](#)

## ECON 270C Development Economics 3 Units

Terms offered: Spring 2023, Spring 2022, Spring 2020

Basic macro-policy planning with investment project analysis.

Development Economics: Read More [\[+\]](#)

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Development Economics: Read Less [\[-\]](#)

## ECON C270A Microeconomics of Development 3 Units

Terms offered: Fall 2023, Fall 2022, Fall 2021

Theoretical and empirical analyses of poverty and inequality, household and community behavior, and contract and institutions in the context of developing countries.

Microeconomics of Development: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 4 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Also listed as:** A, RESEC C251

Microeconomics of Development: Read Less [\[-\]](#)

## ECON 271 Seminar in Development Economics 3 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Seminar in Development Economics: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Seminar in Development Economics: Read Less [\[-\]](#)

## ECON 274 Global Poverty and Impact Evaluation 4 Units

Terms offered: Spring 2016, Spring 2015, Spring 2013

Rather than simply describing the causes and symptoms of global poverty, this course will explore the variety of tools available for rigorously measuring the impact of development programs. Through weekly case studies of field research, the course will cover impact evaluation theory and methods. The course will culminate with a final project in which each student will design an impact evaluation of a policy or intervention.

Global Poverty and Impact Evaluation: Read More [+]

### Rules & Requirements

**Prerequisites:** At least one prior term of intermediate economics (i.e., 100A or 100B) and some prior coursework in statistics

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture and 1 hour of discussion per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Instructor:** Miguel

Global Poverty and Impact Evaluation: Read Less [-]

## ECON C275A Economic Demography 3 Units

Terms offered: Spring 2022, Spring 2019, Spring 2015

Economic consequences of demographic change in developing and developed countries including capital formation, labor markets, and intergenerational transfers. Economic determinants of fertility, mortality and migration.

Economic Demography: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Instructor:** Lee

**Also listed as:** DEMOG C275A

Economic Demography: Read Less [-]

## ECON C275B Aging: Economic and Demographic Aspects 2 Units

Terms offered: Spring 2006, Spring 2004, Spring 2002

Course considers demographic and economic aspects of population aging.

Aging: Economic and Demographic Aspects: Read More [+]

### Hours & Format

**Fall and/or spring:** 7.5 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

**Instructor:** Lee

**Also listed as:** DEMOG C236

Aging: Economic and Demographic Aspects: Read Less [-]

## ECON 280A International Economics 3 Units

Terms offered: Fall 2023, Fall 2022, Spring 2022

The world economy as a general equilibrium system. The theory of international economics, trade policy.

International Economics: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

International Economics: Read Less [-]

## ECON 280B International Economics 3 Units

Terms offered: Fall 2023, Fall 2021, Fall 2020

This course develops basic theoretical models for studying issues in open-economy macroeconomics. The current account and the trade balance, international capital market integration, developing country debt problems, the real exchange rate, fiscal policy in the open economy, and international policy coordination.

International Economics: Read More [+]

### Rules & Requirements

**Prerequisites:** 280A is not prerequisite to 280B

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

International Economics: Read Less [-]

## ECON 280C International Economics 3 Units

Terms offered: Spring 2023, Spring 2022, Spring 2021

This course is an empirical treatment of open-economy macroeconomics and finance. Topics include trade elasticities, the determination of the trade balance and income under fixed and floating exchange rates, purchasing power parity, devaluation in small open economies, quantifying the degree of international capital mobility, implications for the effectiveness of monetary and fiscal policy, international interdependence and coordination, models of exchange rate determination.

International Economics: Read More [+]

### Rules & Requirements

**Prerequisites:** 280B

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

International Economics: Read Less [-]

## ECON 281 Seminar in International Trade and Finance 3 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Seminar in International Trade and Finance: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Seminar in International Trade and Finance: Read Less [-]

## ECON 291 Departmental Seminar 1 Unit

Terms offered: Fall 2023, Spring 2023, Fall 2022

A general interest seminar featuring speakers and topics of broad interest whose work will be important for all areas of economics.

Departmental Seminar: Read More [+]

### Rules & Requirements

**Prerequisites:** 201B, 202B

### Hours & Format

**Fall and/or spring:** 15 weeks - 1.5 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Offered for satisfactory/unsatisfactory grade only.

Departmental Seminar: Read Less [-]

## ECON 295 Survey of Research in Economics 1 Unit

Terms offered: Fall 2023, Spring 2023, Fall 2022

Presentations by departmental faculty of new research directions in different subfields of economics.

Survey of Research in Economics: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Offered for satisfactory/unsatisfactory grade only.

Survey of Research in Economics: Read Less [-]

## ECON 296 Special Topics in Economics 3 Units

Terms offered: Spring 2014, Spring 2013, Fall 2010

Topics of different sections to be announced annually.

Special Topics in Economics: Read More [+]

### Rules & Requirements

**Prerequisites:** Consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Letter grade.

Special Topics in Economics: Read Less [-]

## ECON 298 Directed Group Study for Graduates 1 - 4 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Seminars for the group of selected topics, which will vary from year to year.

Directed Group Study for Graduates: Read More [+]

### Rules & Requirements

**Prerequisites:** Consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 0 hours of independent study per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Offered for satisfactory/unsatisfactory grade only.

Directed Group Study for Graduates: Read Less [-]

## ECON 299 Supervised Independent Study and Research 1 - 12 Units

Terms offered: Fall 2023, Summer 2023 First 6 Week Session, Summer 2023 Second 6 Week Session

Open to candidates for the Ph.D. degree who have passed the qualifying examination and who are engaged in research for the thesis, and in special cases, with consent of the instructor in charge, to graduate students who desire to do special work in a particular field.

Supervised Independent Study and Research: Read More [\[+\]](#)

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 0 hours of independent study per week

### Summer:

6 weeks - 0 hours of independent study per week

8 weeks - 0 hours of independent study per week

### Additional Details

**Subject/Course Level:** Economics/Graduate

**Grading:** Offered for satisfactory/unsatisfactory grade only.

Supervised Independent Study and Research: Read Less [\[-\]](#)

## ECON 301 GSI Practicum 4 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Course credit for experience gained in academic teaching through employment as a graduate student instructor.

GSI Practicum: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Appointment as graduate student instructor in department, consent of graduate advisor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of seminar per week

### Additional Details

**Subject/Course Level:** Economics/Professional course for teachers or prospective teachers

**Grading:** Offered for satisfactory/unsatisfactory grade only.

**Instructor:** Olney

GSI Practicum: Read Less [\[-\]](#)

## ECON 375 GSI Pedagogy Workshop 2 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

This course is the pedagogy workshop for graduate student instructors (GSIs) in the Departments of Economics and Agricultural and Resource Economics (ARE), and satisfies the Graduate Division requirement for first-time GSIs. The goal of the workshop is to teach teaching. Through readings, discussion, assignments, and in-class activities, GSIs develop teaching skills grounded in pedagogical research.

GSI Pedagogy Workshop: Read More [\[+\]](#)

### Rules & Requirements

**Credit Restrictions:** Not repeatable.

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Economics/Professional course for teachers or prospective teachers

**Grading:** Offered for satisfactory/unsatisfactory grade only.

**Instructor:** Olney

GSI Pedagogy Workshop: Read Less [\[-\]](#)

## ECON 602 Individual Study for Doctoral Students 1 - 8 Units

Terms offered: Fall 2023, Spring 2023, Fall 2022

Individual study in consultation with the major field advisor, intended to provide an opportunity for qualified graduate students to prepare themselves for the various examinations required of candidates for the Ph.D. A student will be permitted to accumulate a maximum of 16 units of 602.

Individual Study for Doctoral Students: Read More [\[+\]](#)

### Rules & Requirements

**Credit Restrictions:** Course does not satisfy unit or residence requirements for doctoral degree.

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 0 hours of independent study per week

### Additional Details

**Subject/Course Level:** Economics/Graduate examination preparation

**Grading:** Offered for satisfactory/unsatisfactory grade only.

Individual Study for Doctoral Students: Read Less [\[-\]](#)