

Economics

Bachelor of Arts (BA)

The Department of Economics is home to over 900 undergraduate students. Economics majors can enroll in a broad array of economics courses, ranging from economic history to advanced macroeconomics. Students are encouraged to study abroad, participate in research, and take advantage of the many opportunities Berkeley has to offer.

Declaring the Major

As an impacted major with a highly competitive admissions process, the economics major is capped. Students who want to apply to the Economics major must have completed or be currently enrolled in all the major prerequisites. After Fall 2004, students admitted to Berkeley as freshmen must apply by their fifth semester of post-high school coursework unless they have fewer than 80 total units. This total includes coursework in progress but excludes high school enrichment units, e.g. Advanced Placement, International Baccalaureate, or other college units earned prior to high school graduation. Transfer students admitted to Berkeley in Fall 2006 and later are required to enroll in missing prerequisites and apply to the major during their first semester at Berkeley. The unit cap does not apply to transfer students.

For more information, please visit the Department's website. (<https://www.econ.berkeley.edu/undergrad/prospective>)

Honors Program

Students interested in graduating with honors in Economics should consult with a faculty advisor no later than the first semester of their senior year. The Department recommends a student for graduation with honors based on: evidence of superior performance provided by a thesis written in the senior year and the student's course grade record overall and in the major. The minimum major grade point average (GPA) requirement is 3.5 in upper division economics courses and 3.3 GPA overall. The senior thesis may be an extension of a seminar paper prepared under the continued guidance of a faculty member through enrollment in ECON H195A/ECON H195B.

Minor Program

There is no minor program in Economics.

In addition to the University, campus, and college requirements, listed on the College Requirements tab, students must fulfill the below requirements specific to their major program.

General Guidelines

1. All courses taken to fulfill the major requirements below must be taken for graded credit, other than courses listed which are offered on a *Pass/No Pass* basis only. Other exceptions to this requirement are noted as applicable.
2. No more than one upper-division course may be used to simultaneously fulfill requirements for a student's major and minor programs, with the exception of minors offered outside of the College of Letters and Science.

3. A minimum grade point average (GPA) of 2.0 must be maintained in both upper- and lower-division courses used to fulfill the major requirements.

For information regarding residence requirements and unit requirements, please see the College Requirements tab.

Prerequisites (Five courses)

Select one calculus sequence from the following: ¹

MATH 1A & MATH 1B	Calculus and Calculus
MATH 16A & MATH 16B	Analytic Geometry and Calculus and Analytic Geometry and Calculus (or equivalent)

Select one statistics course from the following: ¹

STAT 20	Introduction to Probability and Statistics
STAT 21	Introductory Probability and Statistics for Business
STAT 25	Course Not Available
STAT 101	Course Not Available
STAT 102	Course Not Available
STAT 131A	Introduction to Probability and Statistics for Life Scientists
STAT 134	Concepts of Probability

Select one of the following:

ECON 1	Introduction to Economics
ECON 2	Introduction to Economics--Lecture Format (or equivalent)

Select one of the following:

ECON 100A	Economic Analysis--Micro
ECON 100B	Economic Analysis--Macro
ECON 101A	Economic Theory--Micro (or equivalents)
ECON 101B	Economic Theory--Macro

¹ At least one semester of the calculus/statistics requirement must be completed at UC Berkeley.

Upper-division Requirements (Seven courses)

Select one course from the following, to complete the sequence begun as a Prerequisite:

ECON 100A	Economic Analysis--Micro
ECON 100B	Economic Analysis--Macro
ECON 101A	Economic Theory--Micro
ECON 101B	Economic Theory--Macro

Select one Econometrics class from the following:

ECON 140	Economic Statistics and Econometrics
ECON 141	Econometric Analysis

Select five additional upper-division Economics courses

Undergraduate students in the College of Letters and Science must fulfill the following requirements in addition to those required by their major program.

For detailed lists of courses that fulfill college requirements, please see the College of Letters and Sciences (<http://guide.berkeley.edu/>)

archive/2014-15/undergraduate/colleges-schools/letters-science) page in this bulletin.

Entry Level Writing

All students who will enter the University of California as freshmen must demonstrate their command of the English language by fulfilling the Entry Level Writing Requirement. Fulfillment of this requirement is also a prerequisite to enrollment in all reading and composition courses at UC Berkeley.

American History and American Institutions

The American History and Institutions requirements are based on the principle that a U.S. resident graduated from an American university should have an understanding of the history and governmental institutions of the United States.

American Cultures

American Cultures is the one requirement that all undergraduate students at Cal need to take and pass in order to graduate. The requirement offers an exciting intellectual environment centered on the study of race, ethnicity and culture of the United States. AC courses offer students opportunities to be part of research-led, highly accomplished teaching environments, grappling with the complexity of American Culture.

Quantitative Reasoning

The Quantitative Reasoning requirement is designed to ensure that students graduate with basic understanding and competency in math, statistics, or computer science. The requirement may be satisfied by exam or by taking an approved course.

Foreign Language

The Foreign Language requirement may be satisfied by demonstrating proficiency in reading comprehension, writing, and conversation in a foreign language equivalent to the second semester college level, either by passing an exam or by completing approved course work.

Reading and Composition

In order to provide a solid foundation in reading, writing and critical thinking the College requires two semesters of lower division work in composition. Students must complete a first-level reading and composition course by the end of their second semester and a second-level course by the end of their fourth semester.

Breadth Requirements

The undergraduate breadth requirements provide Berkeley students with a rich and varied educational experience outside of their major program. As the foundation of a liberal arts education, breadth courses give students a view into the intellectual life of the University while introducing them to a multitude of perspectives and approaches to research and scholarship. Engaging students in new disciplines and with peers from other majors, the breadth experience strengthens interdisciplinary connections and context that prepares Berkeley graduates to understand and solve the complex issues of their day.

Unit Requirements

- 120 total units, including at least 60 L&S units
- Of the 120 units, 36 must be upper division units

- Of the 36 upper division units, 6 must be taken in courses offered outside your major department

Residence Requirements

For units to be considered in "residence," you must be registered in courses on the Berkeley campus as a student in the College of Letters and Science. Most students automatically fulfill the residence requirement by attending classes here for four years. In general, there is no need to be concerned about this requirement, unless you go abroad for a semester or year or want to take courses at another institution or through University Extension during your senior year. In these cases, you should make an appointment to see an adviser to determine how you can meet the Senior Residence Requirement.

Note: Courses taken through UC Extension do not count toward residence.

Senior Residence Requirement

After you become a senior (with 90 semester units earned toward your B.A. degree), you must complete at least 24 of the remaining 30 units in residence in at least two semesters. To count as residence, a semester must consist of at least 6 passed units. Inter-campus Visitor, EAP, and UC Berkeley-Washington Program (UCDC) units are excluded.

You may use a Berkeley summer session to satisfy one semester of the Senior Residence Requirement, provided that you successfully complete 6 units of course work in the Summer Session and that you have been enrolled previously in the College.

Modified Senior Residence Requirement

Participants in the UC Education Abroad Program (EAP) or the UC Berkeley-Washington Program (UCDC) may meet a Modified Senior Residence Requirement by completing 24 (excluding EAP) of their final 60 semester units in residence. At least 12 of these 24 units must be completed after you have completed 90 units.

Upper Division Residence Requirement

You must complete in residence a minimum of 18 units of upper division courses (excluding EAP units), 12 of which must satisfy the requirements for your major.

Mission

Economics is the study of how people make choices under conditions of scarcity and the results of those choices for society. Limited resources make tradeoffs necessary for consumers, businesses, and nations. Microeconomics studies how consumers make choices in using their time and spending their income and how businesses make choices in producing and selling goods and services. Macroeconomics studies the determination of national income and how it deviates from its potential (full employment) over the business cycle. The important outcomes for the national economy are income and how it is distributed, unemployment, inflation, economic growth, and how well financial markets and international trade are functioning. Economics is important in studying the impact of government policies, ranging from regulatory activities in individual markets to general measures for stabilizing and steering the economy at large. The effect of alternative economic policies on the welfare of the population is a core concern in Economics. Undergraduates should have the following knowledge and skills when they graduate with an Economics Major from UC Berkeley.

The Economics Department wants their majors to have knowledge of economics principles with the skills to apply this knowledge in the following ways.

Learning Goals of the Major

Critical Thinking Skills

- Apply economic analysis to evaluate everyday problems.
- Apply economic analysis to evaluate specific policy proposals.
- Compare two or more arguments that have different conclusions to a specific issue or problem.
- Understand the role of assumptions in arguments.

Quantitative Reasoning Skills

- Understand how to use empirical evidence to evaluate an economic argument.
- Interpret statistical results.
- Conduct appropriate statistical analysis of data, and explain the statistical problems involved.
- Obtain and/or collect relevant data using specific qualitative and/or quantitative research methods.

Problem-Solving Skills

- Solve problems that have clear solutions.
- Propose solutions for problems that do not have clear answers, and indicate under what conditions they may be viable solutions.

Specialized Knowledge and Application of Skills

- In specific content areas (fields) of economics, develop deeper critical and quantitative thinking skills and apply problem-solving skills to complex problems.

Communication Skills

- Communicate effectively in written, spoken, and graphical form about specific economic issues.
- Formulate a well-organized written argument that states assumptions and hypotheses, which are supported by evidence.
- Present an economic argument orally.

Lifelong Learning Skills

- Possess a working knowledge of information databases (e.g., Econ Lit, Nexis-Lexis)
- Know how to locate and use primary data sources (e.g., BLS Household Survey, UN Human Development Index)
- Understand and evaluate current economic events and new economic ideas.

Student Services

The Economics Student Services Mission is to advise our students holistically by providing a high standard of service in a supportive and collaborative environment. Professional and peer advisors work as a team to provide accurate information in a timely manner. We partner with faculty to assist students in engaging with the campus and the global economic community. We value fairness, diversity, and the important roles our students, faculty, and staff in the Department of Economics play at the University of California, Berkeley.

Economics

ECON 1 Introduction to Economics 4 Units

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

Rules & Requirements

Credit Restrictions: Students will receive 2 units of credit for 1 after taking Economics 3 or Environmental Economics and Policy 1; no credit after taking Economics 2.

Hours & Format

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

Summer: 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.

ECON 2 Introduction to Economics--Lecture Format 4 Units

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.

Rules & Requirements

Credit Restrictions: Students will receive no credit for 2 after taking 1; 2 units after taking 3 or Environmental Economics and Policy 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.

ECON C3 Introduction to Environmental Economics and Policy 4 Units
Introduction to microeconomics with emphasis on resource, agricultural, and environmental issues.

Rules & Requirements

Prerequisites: Mathematics 32

Credit Restrictions: Students will receive 2 units of credit for 1 after taking Economics 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.

Also listed as: ENVECON C1

ECON 24 Freshman Seminar 1 Unit
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.

Rules & Requirements

Repeat rules: Course may be repeated for credit as topic varies. 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 required.

ECON 84 Sophomore Seminar 1 or 2 Units

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.

Rules & Requirements

Prerequisites: At discretion of instructor

Repeat rules: Course may be repeated for credit as topic varies. 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 and 2-4 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 required.

ECON 98 Directed Group Study 1 - 4 Units

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.

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. Course may be repeated for credit when topic changes.

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.

ECON 100A Economic Analysis--Micro 4 Units
Resource allocation and price determination.

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 100A after taking 101A or Undergraduate Business Administration 101A. A deficient grade in Undergraduate Business Administration 101A may be repeated by taking 100A.

Hours & Format

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

Summer: 8 weeks - 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.

ECON 100B Economic Analysis--Macro 4 Units
A study of the factors which determine national income, employment, and price levels, with attention to the effects of monetary and fiscal policy.

Rules & Requirements

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

Credit Restrictions: Students will receive no credit for 100B after taking 101B or Undergraduate Business Administration 101B. A deficient grade in Undergraduate Business Administration 101B may be repeated by taking 100B.

Hours & Format

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

Summer: 8 weeks - 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.

ECON 101A Economic Theory--Micro 4 Units
Theory of resource allocation and price determination with an emphasis on microeconomic principles.

Rules & Requirements

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

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

Hours & Format

Fall and/or spring: 15 weeks - 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.

ECON 101B Economic Theory--Macro 4 Units
A study of theories of the determination of national income, employment, and price levels, with attention to the effects of monetary and fiscal policy.

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 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.

ECON C102 Natural Resource Economics 4 Units

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.

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

ECON C103 Introduction to Mathematical Economics 4 Units

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.

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

ECON 104 Advanced Microeconomic Theory 4 Units

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.

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.

ECON 105 History of Economic Thought 4 Units

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

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 - 5.5 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

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

ECON C110 Game Theory in the Social Sciences 4 Units

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.

Rules & Requirements

Credit Restrictions: Students will receive no credit for C135 after taking Economics 104.

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.

Formerly known as: 135

Also listed as: POL SCI C135

ECON N110 Game Theory in the Social Sciences 4 Units

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.

Rules & Requirements

Credit Restrictions: Students will receive no credit for N110 after taking 104, C110, or Political Science C135.

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

ECON 113 American Economic History 4 Units

A survey of trends in the American economy; emphasis on factors explaining economic growth and on the changing distribution of the gains and losses associated with growth.

Rules & Requirements

Prerequisites: 1 or 2 or C3, or Environmental Economics C1

Hours & Format

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

Summer: 8 weeks - 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.

ECON N113 American Economic History 4 Units

A survey of trends in the American economy; emphasis on factors explaining economic growth and on the changing distribution of the gains and losses associated with growth.

Rules & Requirements

Prerequisites: 1 or 2

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.

ECON 115 The World Economy in the Twentieth Century 4 Units

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.

Rules & Requirements

Prerequisites: 1 or 2

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.

ECON 119 Psychology and Economics 4 Units

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.

Rules & Requirements

Prerequisites: 100A or 101A

Hours & Format

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

Summer: 8 weeks - 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.

ECON 121 Industrial Organization and Public Policy 4 Units

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

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.

ECON 122 Industrial Organization Seminar 4 Units

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

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.

ECON 123 Government Regulation of Industry 3 Units

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

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.

ECON 124 Special Topics in Industrial Organization 4 Units

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

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.

ECON C125 Environmental Economics 4 Units

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.

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

Additional Details

Subject/Course Level: Economics/Undergraduate

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

Instructor: Zilberman

Also listed as: ENVECON C101

ECON 131 Public Economics 4 Units

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.

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.

ECON 132 Seminar in Public Sector Economics 4 Units

Enrollment will be limited. A seminar paper is required.

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.

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

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.

Rules & Requirements

Prerequisites: 100B or 101B

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

ECON 136 Financial Economics 4 Units

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.

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 hours of lecture and 0-1 hours of discussion per week

Summer:

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

8 weeks - 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.

ECON N136 Financial Economics 4 Units

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.

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.

ECON 138 Financial and Behavioral Economics 4 Units

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.

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.

ECON 140 Economic Statistics and Econometrics 4 Units

Introduction to problems of observation, estimation, and hypothesis testing in economics. This course covers the linear regression model and its application to empirical problems in economics.

Rules & Requirements

Prerequisites: 100A-100B or 101A-101B or equivalent and Statistics 20, 21, 25, or 131A 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.

ECON 141 Econometric Analysis 4 Units

Introduction to problems of observation, estimation, and hypothesis testing in economics. This course covers the statistical theory for the linear regression model and its variants, with examples from empirical economics.

Rules & Requirements

Prerequisites: 100A-100B or 101A-101B or equivalent; Statistics 20, 21, 25, or 131A, or equivalent; and Mathematics 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.

ECON C142 Applied Econometrics and Public Policy 4 Units

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.

Rules & Requirements

Prerequisites: 140 or 141 or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture 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: POL SCI C131A/PUB POL C142

ECON 151 Labor Economics 4 Units

This course will analyze the economic forces that shape labor markets, institutions, and performance in the U.S., Japan, and at least one European country (usually Germany). Institutions examined include trade unions, legal regulations, and social conventions.

Rules & Requirements

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

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.

ECON 152 Wage Theory and Policy 4 Units

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.

Rules & Requirements

Prerequisites: 100A or 101A

Hours & Format

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

Summer: 8 weeks - 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.

ECON N152 Wage Theory and Policy 4 Units

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.

Rules & Requirements

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

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.

ECON 153 Labor Economics Seminar 4 Units

Topics in labor economics. Seminar paper required.

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.

ECON 154 Economics of Discrimination 4 Units

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.

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.

ECON 155 Urban Economics 3 Units

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

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.

ECON 157 Health Economics 4 Units

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.

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.

ECON 161 Economics of Transition: Eastern Europe 4 Units

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.

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.

ECON 162 The Chinese Economy 3 Units

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

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.

ECON C171 Economic Development 4 Units

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

Rules & Requirements

Prerequisites: 100, Economics 100A or 101A

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.

Instructor: de Janvry

Also listed as: ENVECON C151

ECON N171 Economic Development 4 Units

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

Rules & Requirements

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

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.

ECON 172 Case Studies in Economic Development 4 Units

A detailed study of the problems of development in a selected geographical area in Asia or Africa or Latin America.

Rules & Requirements

Prerequisites: 100A

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

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.

ECON 173 Economic Development Seminar 4 Units

A seminar paper will be required.

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.

ECON 174 Global Poverty and Impact Evaluation 4 Units

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.

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/Undergraduate

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

Instructor: Miguel

ECON C175 Economic Demography 3 Units

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?

Rules & Requirements

Prerequisites: Economics 1 or 2

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.

Instructor: Lee

Formerly known as: 175

Also listed as: DEMOG C175

ECON N175 Economic Demography 3 Units

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?

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.

ECON C181 International Trade 4 Units

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.

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 - 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

ECON N181 International Trade 4 Units

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

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 - 11 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.

ECON 182 International Monetary Economics 4 Units

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.

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.

ECON 191 Topics in Economic Research 4 Units

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.

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.

ECON H195A Senior Honors Thesis 1 - 3 Units

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

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.

ECON H195AS Senior Honors Thesis 1 - 3 Units

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

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.

ECON H195B Senior Honors Thesis 1 - 3 Units

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

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.

ECON H195BS Senior Honors Thesis 1 - 3 Units

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

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.

ECON 196 Special Topics in Economics 1 - 4 Units

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

Rules & Requirements

Prerequisites: Upper division standing or consent of instructor

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

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.

ECON 197 Field Studies 1 - 4 Units

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

Rules & Requirements

Prerequisites: Upper-division standing

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

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.

ECON 198 Directed Group Study 1 - 4 Units

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.

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. Course may be repeated for credit when topic changes.

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.

ECON 199 Supervised Independent Study and Research 1 - 4 Units

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

Rules & Requirements

Prerequisites: Upper-division standing

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

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

Hours & Format

Fall and/or spring: 15 weeks - 0 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.