ECONOMICS

1019 Milstein Learning Center
212-854-3454
Department Administrator: Regina Roberts

Mission

The primary aim of the Barnard Economics Department is to provide undergraduate liberal arts students with a rigorous, broad, and critical program in theoretical and empirical economics. To achieve this aim our curriculum

- Provides a thorough grounding in neoclassical economic theory, modern statistical method, and their applications in the traditional fields of economic science;
- Embeds that training in a broader conception of economic science and method with special emphasis on philosophical, historical, and institutional approaches that link economics with other social sciences and humanistic disciplines;
- Compares and contrasts alternative methodological approaches and types of evidence as ways of analyzing economic phenomena, evaluating policy debates, and assessing the broader social and political consequences of economic doctrines.

Student Learning Outcomes for the Economics Major, Economics and Political Economy Tracks

Having successfully completed the major in Economics, the student will be able to attain the following outcomes:

1. Show fluency in the basic concepts, models and tools of microeconomic and macroeconomic theory;
2. Think critically about economic phenomena and economic debates by using multiple kinds of texts, evidence and conceptual approaches;
3. Apply economic reasoning to understand the causal determinants of economic events, empirical regularities, and policy proposals;
4. Apply basic skills of empirical reasoning to economic problems;
5. Demonstrate knowledge of the history of economic thought, including important doctrines, their historical context, transformation over time, and influence on contemporary economic theory and ideas;
6. Demonstrate understanding of institutions, organizations and markets in their roles of coordinating economic activity;
7. Demonstrate knowledge of the historical origins of capitalism, modern economic growth and development, patterns of inequality, and globalization;
8. Articulate a well-defined research question and conduct independent research using economic reasoning and evidence;
9. Communicate economic ideas effectively in written or oral form.

Specific to the Economics Track

1. Understand and apply statistical techniques to make inferences about economic hypotheses.

Specific to the Political Economy Track

1. Use concepts or methods from at least one disciplinary approach other than economics to analyze an economic, political or other social problem.

Barnard will allow a total of 3 points AP credit in Economics only if the following conditions are satisfied: an AP score of 4 or 5 in either Macro or Micro (or both), or an International Baccalaureate (IB) score of 5 or higher. However, students who receive AP credit for economics and who go on to pursue any of the economics department majors (or an economics minor) must still take ECON BC1003 INTRO TO ECONOMIC REASONING or its equivalent. For Statistics, Barnard will allow 3 points credit with a score of 5 on the Statistics AP exam. Economics track majors, however, will not be exempt from the statistics requirement ECON BC2411 STATISTICS FOR ECONOMICS or the equivalent, even if they receive 3 points AP credit for Statistics.

Chair: Randall Reback (Professor)
Professors: Elizabeth Ananat (Mallya Professor of Women and Economics), André Burgstaller, Alan Dye, Daniel Hamermesh (Distinguished Scholar), Sharon Harrison, Lalith Munasinghe, Rajiv Sethi, David Weiman (Alena Wels Hirschorn '58 Professor)
Associate Professors: Ashley Timmer (Adjunct), Homa Zarghamee
Assistant Professors: Belinda Archibong, Martina Jasova, Sonia Pereira (Adjunct), Rena Rosenberg (Adjunct), Elham Saeidinezhad (Term), Anja Tolonen
Adjunct Associate: John Park

Other officers of the University offering courses listed below:

Professors: Alessandra Casella, Yeon-Koo Che, Pierre-Andre Chiappori, Graciela Chichilnisky, Donald Davis, Prajit Dutta, Harrison Hong, Wojciech Kopczuk, Serena Ng, Brendan O'Flaherty, Xavier Sala-i-Martin, Bernard Salanie, Stephanie Schmitt-Grohe, Martin Uribe, Michael Woodford, David Weinstein
Associate Professor: Lena Edlund, Qingmin Liu
Assistant Professors: Michael Best, Andres Drenik, Jack Willis
Lecturers: Irasema Alonso, Tri Vi Dang, Ceyhun Elgin, Susan Elmes, Seyhan Erden, Tamrat Gashaw, Sunil Gulati, Ronald Miller, Wouter Vergote

Requirements for the Major

There are two tracks for the major in Economics equal in rigor, but different in scope and focus. The track in Economics emphasizes modern economic theory along with associated analytical and mathematical tools. The track in Political Economy emphasizes the roots of modern economics in the history of economic thought and the interconnections between social forces, political institutions, and economic power. Either track offers excellent preparation for graduate study in a variety of professional schools and professional careers in many areas, including business and public administration.

Prospective majors should discuss their programs with any member of the department no later than the second semester of their sophomore year. At the time of declaring the major, the student meets with the department chair and chooses a major adviser, who will advise her on the choice of program and courses. Students planning to major in Economics or Political Economy should complete both intermediate macro- and microeconomic theory by the beginning of their junior year.

Students who wish to complete a double or joint major that includes Economics should consult the chair of the department or the major adviser as early as possible. Students interested in pursuing a Ph.D. in economics should take more mathematics than required for the economics major or choose the Economics and Mathematics

interdisciplinary major. Any interested student should seek guidance from the Economics and/or Mathematics faculty on which mathematics courses to take.

All majors should file the "Major Requirements Declaration" form, available from the department office by the end of their sophomore year, or as soon as possible thereafter.

Economics

The Economics track requires a minimum of 12 courses (36 minimum credits).

ECON BC1003	INTRO TO ECONOMIC REASONING	3
ECON BC1007	MATH METHODS FOR ECONOMICS *	4
or MATH UN1201	CALCULUS III	
ECON BC2411	STATISTICS FOR ECONOMICS	4
or STAT UN1101	INTRODUCTION TO STATISTICS	
or STAT UN1201	CALC-BASED INTRO TO STATISTICS	
or PSYC BC1101	STATISTICS LECTURE AND RECITATION	
ECON BC3018	ECONOMETRICS	4
ECON BC3033	INTERMEDTE MACROECONOMC THEORY	4
ECON BC3035	INTERMEDTE MICROECONOMC THEORY	4
ECON BC3041	THEORETICL FOUNDTNS-POLIT ECON	3
Three electives in economics, two of which must be upper-level (that is, they must have intermediate micro- or macroeconomic theory as a prerequisite).		
One of the following two options:		

ECON BC3061	SENIOR THESIS I	
- ECON BC3062	and SENIOR THESIS II	
ECON BC3063	SENIOR SEMINAR (and an additional upper-level elective in economics)	

* Students will not receive credit for ECON BC1007 MATH METHODS FOR ECONOMICS if they have already taken ECON BC3035 INTERMEDTE MICROECONOMC THEORY. Such students must instead complete the mathematics requirement by taking MATH UN1201 CALCULUS III (Calculus III).

Political Economy

The Political Economy track major requires a minimum of 13 courses (42 minimum credits).

ECON BC1003	INTRO TO ECONOMIC REASONING	3
ECON BC1007	MATH METHODS FOR ECONOMICS	4
or MATH UN1101	CALCULUS I	
ECON BC3033	INTERMEDTE MACROECONOMC THEORY	4
ECON BC3035	INTERMEDTE MICROECONOMC THEORY	4
ECON BC3041	THEORETICL FOUNDTNS-POLIT ECON	3
ECON BC2411	STATISTICS FOR ECONOMICS	4
or STAT UN1101	INTRODUCTION TO STATISTICS	
or STAT UN1201	CALC-BASED INTRO TO STATISTICS	
or PSYC BC1101	STATISTICS LECTURE AND RECITATION	
Three electives in economics, two of which must be upper-level electives (that is, they must have intermediate micro- or macroeconomic theory as a prerequisite)		
Two interdisciplinary electives (see further conditions below)		
And one of the following two options:		

ECON BC3061	SENIOR THESIS I	
- ECON BC3062	and SENIOR THESIS II	
ECON BC3063	SENIOR SEMINAR (and an additional upper-level elective in economics)	

Interdisciplinary Electives
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[NOTE: Statistics is required for Political Economy track majors in the class of 2021 and later. It replaces one of the three interdisciplinary electives formerly required for the class of 2020 and earlier.]

Linking interdisciplinary electives to economics electives: If a course is "linked," this means that it addresses subject matter that is related to the subject matter of the economics elective to which it is paired. There are many possible ways to link a course to an economics elective. A link to some suggestions from the department website is given below. Whether a course qualifies as a linked course must be approved by the student's major adviser.

Related Areas of Study
Departments
- Anthropology
- Asian and Middle Eastern Cultures
- Environmental Science
- History
- Philosophy
- Political Science
- Psychology
- Sociology
- Spanish and Latin American Cultures
- Women's Studies

Regional or Interdisciplinary Programs
- Africana Studies
- American Studies
- Human Rights Studies
- Jewish Studies
- Science and Public Policy
- Urban Studies

Suggestions for Linking Interdisciplinary Electives to Economics Electives

Follow this link for a list of suggestions for Interdisciplinary Electives that link to Economics Elective Courses. It is NOT an exhaustive list. You should feel free to propose alternative courses that form similar links. All linked courses must be approved by the student's major adviser.

Mathematics Training for the Major

The department expects all majors to have a working knowledge of arithmetic, high school algebra, and the fundamentals of analytic geometry.

Majors in the economics track may complete the mathematics requirement by taking ECON BC1007 MATH METHODS FOR ECONOMICS, or MATH UN1101 CALCULUS I and MATH UN1201 CALCULUS III. Students who have received advanced placement credit or have placed out of Calculus I may take either Math Methods or Calculus III to

complete the requirement. (Students with 5 on the Calculus BC test may begin with Calculus III.)

Majors in the political economy track may complete the mathematics requirement by taking ECON BC1007 MATH METHODS FOR ECONOMICS or MATH UN1101 CALCULUS I. Students who have received advanced placement college credit for calculus have satisfied the mathematics requirement for the political economy track, however they must take an additional economics elective as a substitute for the AP credit so that the total number of courses taken for the major remains the same.

Students interested in pursuing a Ph.D. in economics should take more mathematics than required for the economics major or choose the Economics and Mathematics interdisciplinary major. Any interested student should seek guidance from the Economics and/or Mathematics faculty on which mathematics courses to take.

Requirements for the Minor

The minor in economics consists of five courses, including ECON BC1003 INTRO TO ECONOMIC REASONING or equivalent, ECON BC3033 INTERMEDTE MACROECONOMC THEORY or ECON BC3035 INTERMEDTE MICROECONOMC THEORY, and three electives, one of which must have an intermediate micro- or macroeconomic theory course as a prerequisite.

Introductory Courses

The principles of economics; may be taken without previous study of economics.

ECON BC1003 INTRO TO ECONOMIC REASONING. *4.00 points*.
Covers basic elements of microeconomic and marcoeconomic reasoning at an introductory level. Topics include Individual Constraints and Preferences, Production by Firms, Market Transactions, Competition, The Distribution of Income, Technological Progress and Growth, Unemployment and Inflation, the Role of Government in the Economy. Note: Students cannot get credit for ECON BC1003 if they have taken the Columbia introductory course ECON W1105 Principles of Economics

Spring 2024: ECON BC1003

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 1003	001/00735	M W 10:10am - 11:25am 323 Milbank Hall	Rajiv Sethi	4.00	51/60
ECON 1003	002/00736	T Th 11:40am - 12:55pm 504 Diana Center	Miguel Casares	4.00	62/64

Fall 2024: ECON BC1003

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 1003	001/00039	M W 10:10am - 11:25am 152 Horace Mann Hall	Rajiv Sethi	4.00	37/40
ECON 1003	002/00040	T Th 10:10am - 11:25am 152 Horace Mann Hall	Mulu Gebreyohannes	4.00	30/30

ECON BC1007 MATH METHODS FOR ECONOMICS. *4.00 points*.
Covers basic mathematical methods required for intermediate theory courses and upper level electives in economics, with a strong emphasis on applications. Topics include simultaneous equations, functions, partial differentiation, optimization of functions of more than one variable, constrained optimization, and financial mathematics. This course satisfies the Calculus requirement for the Barnard Economics major. NOTE: students who have previously taken Intermediate Micro Theory (ECON BC3035 or the equivalent) are *not* allowed to take Math Methods for Economics

Spring 2024: ECON BC1007

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 1007	001/00737	T Th 10:10am - 11:25am LI103 Diana Center	Mulu Gebreyohannes	4.00	56/60

Fall 2024: ECON BC1007

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 1007	001/00041	T Th 10:10am - 11:25am 302 Barnard Hall	Sharon Harrison	4.00	22/25

General Courses

May be taken with minimal previous study of economics.

ECON BC2010 The Economics of Gender. *3 points*.
Examination of gender differences in the U.S. and other advanced industrial economies. Topics include the division of labor between home and market, the relationship between labor force participation and family structure, the gender earnings gap, occupational segregation, discrimination, and historical, racial, and ethnic group comparisons.

ECON BC2017 INTRODUCTION TO HEALTH ECONOMICS. *3.00 points*.
Prerequisites: (ECON BC1003 or ECON UN1105)
Prerequisites: (ECON BC1003 or ECON UN1105) This course covers the core microeconomic theories and concepts needed to understand health and health care issues in the United States. It describes how the markets for health and health services are different from those for other goods, with an emphasis on providing the tools and skills for understanding health policy and regulations. In addition, it discusses theoretical and empirical aspects of key health economics issues, with a primary focus on applying the tools of economic analysis to understand the basic forces—supply and demand, asymmetric information, incentives, and externalities, for example—that influence health policies

ECON BC2020 Introduction to Development Economics. *3 points*.
Students will be introduced to current issues within development economics, and to fundamental economic concepts explaining economic growth. It will discuss the crosscutting themes of gender equality and environmental sustainability, while approaching topics within economic growth, population growth, human capital, health, agriculture, urbanization, natural resources, conflict, and institutions.

ECON UN2029 FED CHALLENGE WORKSHOP. *1.00 point*.
Prerequisites: (ECON UN1105)
Prerequisites: (ECON UN1105) The workshop prepares students to compete in the annual College Fed Challenge sponsored by the Federal Reserve. Topics covered include macroeconomic and financial conditions, monetary policy, financial stability and the Federal Reserve System

Spring 2024: ECON UN2029

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 2029	001/13908	W 12:10pm - 2:00pm 503 Hamilton Hall	Tamrat Gashaw	1.00	13/54

ECON BC2075 Logic and Limits of Economic Justice. *3 points*.
BC: Fulfillment of General Education Requirement: Ethics and Values.

Prerequisites: Introduction to Economic Reasoning (ECON BC 1003) or Principles of Economics (ECON W1105). An introductory course in political theory or political philosophy is strongly recommended, but not required.
Introduce students to problems of economic justice under capitalism.
  Course has three goals: (1) expose students to debates between economics and philosophers about the meaning and nature of justice, (2) explore conflict between efficiency and justice, (3) examine implications of justice for gender equality, intergenerational equity and climate change.

STEM BC2223 PROGRAMMING BEHAV SCIENCES. *4.00 points*.

ECON BC2224 CODING MARKETS. *4.00 points*.
Prerequisites: (ECON BC1003 or ECON UN1105)
Prerequisites: (ECON BC1003 or ECON UN1105) Students will learn how to write computer programs that can be used to solve assignment problems, including matching buyers with sellers in electronic financial markets, as well as assignment problems that dont involve prices: matching organ donors with recipients, residents with hospitals, and students with high schools for example. The programming language used will be MATLAB. Suitable for students with little or no programming background

ECHS BC2590 MEASURING HISTORY. *4.00 points*.
This course examines big themes in economic and social history-population history and human well-being, inequality and poverty, and gender differences. Using these themes, it adopts a hands-on data-driven approach to introduce tools and concepts of empirical reasoning. Datasets related to each theme create opportunities for learning by doing

Spring 2024: ECHS BC2590

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECHS 2590	001/00810	T Th 6:10pm - 7:25pm 516 Milstein Center	Alan Dye	4.00	18/21

Fall 2024: ECHS BC2590

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECHS 2590	001/00490	T Th 4:10pm - 5:25pm 516 Milstein Center	Alan Dye	4.00	19/23

Quantitative Methods

These courses are required for the Economics track and are optional for the Political Economy track.

ECON BC2411 STATISTICS FOR ECONOMICS. *4.00 points*.
Elementary computational methods in statistics. Basic techniques in regression analysis of econometric models. One-hour weekly recitation sessions to complement lectures

Fall 2024: ECON BC2411

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 2411	001/00480	T Th 1:10pm - 2:25pm 152 Horace Mann Hall	Mulu Gebreyohannes	4.00	41/50

ECON BC3018 ECONOMETRICS. *4.00 points*.
Prerequisites: ECON BC3033 or ECON BC3035, and ECON BC2411 or STAT W1111 or STAT W1211, or permission of the instructor.
Prerequisites: ECON BC3033 or ECON BC3035, and ECON BC2411 or STAT W1111 or STAT W1211, or permission of the instructor. Specification, estimation and evaluation of economic relationships using economic theory, data, and statistical inference; testable implications of economic theories; econometric analysis of topics such as consumption, investment, wages and unemployment, and financial markets

Spring 2024: ECON BC3018

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3018	001/00778	T Th 11:40am - 12:55pm LI103 Diana Center	Anja Tolonen	4.00	40/55

Fall 2024: ECON BC3018

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3018	001/00483	T Th 1:10pm - 2:25pm 504 Diana Center	Anja Tolonen	4.00	37/65

Core Theory Courses

The courses listed below, required of both Political Economy and Economics track majors, constitute the core of the Barnard Economics major.

ECON BC3033 INTERMEDTE MACROECONOMC THEORY. *4.00 points*.
(Description for summer and semester course) This course introduces macroeconomic theory for the analysis of aggregate variables such as income, employment, prices, and the interest rate. The first part of the course is devoted to studying the determination of the aggregate demand in the goods markets and the equilibrium of monetary markets, using an IS-LM model extended with elements of the banking sector and the open-economy framework. Next, the supply-side of the economy is examined with special attention to the labor market, wage setting and price setting behavior. The Phillips Curve (PC) introduces the tradeoffs between inflation and unemployment, and the role of expectations for inflation dynamics. The integrated IS-LM-PC model is then used to evaluate macroeconomic policies that aim at stabilizing the economy with output produced at its potential level and the inflation rate at the central bank target. The recent episode of high inflation is simulated with a proper numerical calibration of the IS-LM-PC model

Spring 2024: ECON BC3033

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3033	001/00739	M W 4:10pm - 5:25pm 504 Diana Center	Miguel Casares	4.00	61/60

Fall 2024: ECON BC3033

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3033	001/00046	M W 10:10am - 11:25am 263 Macy Hall	Martina Jasova	4.00	55/55

ECON BC3035 INTERMEDTE MICROECONOMC THEORY. *4.00 points*.

Prerequisites: An introductory course in microeconomics or a combined macro/micro principles course (ECON BC1003 or ECON W1105, or the equivalent) and one semester of calculus or ECON BC1007, or permission of the instructor. Preferences and demand; production, cost, and supply; behavior of markets in partial equilibrium; resource allocation in general equilibrium; pricing of goods and services under alternative market structures; implications of individual decision-making for labor supply; income distribution, welfare, and public policy. Emphasis on problem solving

Spring 2024: ECON BC3035

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3035	001/00740	T Th 1:10pm - 2:25pm Ll104 Diana Center	Lalith Munasinghe	4.00	37/50

Fall 2024: ECON BC3035

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3035	001/00481	M W 11:40am - 12:55pm 302 Barnard Hall	Elizabeth Ananat	4.00	45/45
ECON 3035	002/00482	T Th 1:10pm - 2:25pm 328 Milbank Hall	Lalith Munasinghe	4.00	42/60

ECON BC3041 THEORETICL FOUNDTNS-POLIT ECON. *3.00 points*.

Prerequisites: An introductory course in economics or permission of the instructor. Intellectual origins of the main schools of thought in political economy. Study of the founding texts in classical political economy, Marxian economics, neoclassicism, and Keynesianism

Spring 2024: ECON BC3041

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3041	001/00742	M W 2:40pm - 3:55pm 504 Diana Center	David Weiman	3.00	50/45

Fall 2024: ECON BC3041

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3041	001/00048	T Th 8:40am - 9:55am 504 Diana Center	Belinda Archibong	3.00	50/50
ECON 3041	002/00049	T Th 10:10am - 11:25am 328 Milbank Hall	Belinda Archibong	3.00	50/50

Upper-Level Elective Courses

The following economics elective courses have as a minimum either ECON BC3033, ECON BC3035, or both as prerequisites.

ECON BC3010 American Wellbeing. *3 points*.

Prerequisites: (ECON BC 2411 or STAT W1111 or PSYCH BC1101 or BUSI G6014 or STAT W1211 or SIEO W3600 or SIEO W4150) and (ECON BC1003 or ECON W1105) Students using this course for an economics major must have also previously completed either Intermediate Microeconomic Theory (ECON BC3035) or Intermediate Microeconomics (ECON UN3211).

This course takes a novel approach to examining public policy concepts. The class mission is to construct a "U.S. Wellbeing Index," a measure of people's wellbeing in the United States. The process of constructing such an index and debating its shortcomings will provide students with a better understanding of the factors that should guide public policy decisions. Students successfully completing this course will: (1) develop skills for conducting and interpreting cost-benefit analyses, (2) search the web for relevant economic data and write efficient, well-documented code to download and format those data, (3) interpret time trends for data concerning the economy, human health, and environmental conditions, (4) develop an understanding of how various types of risks affect both individual and societal wellbeing, and (5) understand multiple perspectives in debates over the importance of equity considerations when considering the wellbeing of a society.

ECON BC3011 INEQUALITY AND POVERTY. *3.00 points*.

Prerequisites: ECON BC3035 or ECON BC3033, or permission of the instructor. Conceptualization and measurement of inequality and poverty, poverty traps and distributional dynamics, economics and politics of public policies, in both poor and rich countries

Fall 2024: ECON BC3011

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3011	001/00045	T Th 11:40am - 12:55pm 140 Horace Mann Hall	Ashley Timmer	3.00	50/50

ECON BC3012 THE ECONOMICS OF EDUCATION. *3.00 points*.

Prerequisites: ECON BC3035 and ECON BC2411 or permission of the instructor. Analyzes education policies and education markets from an economic perspective. Examines challenges that arise when researchers attempt to identify the causal effects of inputs. Other topics: (1) education as an investment, (2) public school finance, (3) teacher labor markets, (4) testing/accountability programs, (5) school choice programs, and (6) urban public school reforms

ECON BC3013 Economic History of the United States. *3 points*.

BC: Fulfillment of General Education Requirement: Historical Studies (HIS).

Prerequisites: ECON BC3035 or ECON BC3033, or permission of the instructor.

Economic transformation of the United States from a small, open agrarian society in the late colonial era to the leading industrial economy of the 20th century. Emphasis is given to the quantitative, institutional, and spatial dimensions of economic growth, and the relationship between the changing structures of the economy and state.

ECON BC3019 LABOR ECONOMICS. *3.00 points*.
Prerequisites: ECON BC3035, or permission of the instructor.
Prerequisites: ECON BC3035, or permission of the instructor. Factors affecting the allocation and remuneration of labor; population structure; unionization and monopsony; education and training, mobility and information; sex and race discrimination; unemployment; and public policy

Fall 2024: ECON BC3019

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3019	001/00489	T Th 4:10pm - 5:25pm 302 Barnard Hall	Lalith Munasinghe	3.00	55/60

ECON BC3022 Economic History of Europe. *3 points*.
Prerequisites: Econ BC3035 or Econ BC3033 (or their equivalents), or permission of the instructor.
An introduction to the transformative economic developments that began in Western Europe and spread globally. This course applies economic and empirical reasoning to analyze the industrial revolution, its underlying causes and consequences, from pre-modern times to the 20th-century emergence of a global economy.

ECON BC3024 MIGRATION # ECONOMIC CHANGE. *3.00 points*.
Prerequisites: Econ BC3035 or Econ BC3033
Prerequisites: (Econ BC 3035) or (Econ BC 3033) This course examines a wide variety of topics about migration and its relationship to economic development, globalization, and social and economic mobility. At its core, this course reflects a key reality: that the movement of people--within regions, within countries, and across borders--is both the result of and impetus for economic change

ECON UN3025 FINANCIAL ECONOMICS. *3.00 points*.
Prerequisites: ECON UN3211 and ECON UN3213 and STAT UN1201
Prerequisites: ECON UN3211 and ECON UN3213 and STAT UN1201
Institutional nature and economic function of financial markets. Emphasis on both domestic and international markets (debt, stock, foreign exchange, eurobond, eurocurrency, futures, options, and others). Principles of security pricing and portfolio management; the Capital Asset Pricing Model and the Efficient Markets Hypothesis

Spring 2024: ECON UN3025

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3025	001/13910	M W 10:10am - 11:25am 428 Pupin Laboratories	Tamrat Gashaw	3.00	61/125
ECON 3025	003/00738	T Th 1:10pm - 2:25pm 304 Barnard Hall	Elham Saeidinezhad	3.00	92/100

Fall 2024: ECON UN3025

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3025	001/10850	M W 1:10pm - 2:25pm Room TBA		3.00	150/150
ECON 3025	002/00787	M W 6:10pm - 7:25pm Room TBA	Jose Cao-Alvira	3.00	11/60

ECON BC3026 Economics of the Public Sector. *3 points*.
Prerequisites: (ECON BC3035 or ECON UN3211)
The purpose of the course is to think about public policy issues through an economic lens. We will explore the basic economic foundations of individual decision-making and discuss the ways in which economists hypothesize that individuals respond to the incentives embedded within public policies. We will pay particular attention to the nature and detail of existing public policies, and use economic analysis to predict how these policies might influence behavior. We will also explore some of the relevant empirical literature on a set of policy topics, to see how these predictions hold up.

Fall 2024: ECON BC3026

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3026	001/00487	M W 1:10pm - 2:25pm 504 Diana Center	Elizabeth Ananat	3	50/50

ECON BC3029 EMPIRICAL APPROACHES DEVLPMNT. *3.00 points*.
Prerequisites: (ECON BC3035 or ECON BC3033) and ECON UN3412
ECON BC3035 or ECON BC3033 and Econometrics, or permission of the instructor.
Examination of new challenges in the global economy from unequal income distribution and poor institutions to health epidemics and natural disasters. Accessing and analyzing real-time and historic data to understand the current global economy. Applied econometric techniques.

Spring 2024: ECON BC3029

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3029	001/00779	T Th 2:40pm - 3:55pm 203 Diana Center	Anja Tolonen	3.00	22/30

ECON BC3031 Economics of Life. *3 points*.
Prerequisites: ECON BC3035 ECON BC3018 Econometrics previously or concurrently taken is highly recommended.
This course covers an immense variety of topics in what might be called demographic economics. Included are dating and marriage, along with the economics of beauty; fertility and its avoidance; how people use their time, and what determines those uses, including some discussion of labor-force behavior; interactions among family members—bargaining in the household and with family members outside the household; divorce; the economics of addiction, to such agents as alcohol, other drugs, tobacco and even work; religion, including its effects on economic outcomes; and death, including how we die, how long we live, and the nature and determinants of bequests. The central unifying feature throughout the course is the concentration on the **economics** of these activities and outcomes—the roles of incentives and institutions in affecting them.

ECON BC3038 INTERNATIONAL MONEY # FINANCE. *3.00 points*.
Prerequisites: ECON BC3033. Introduction to balance of payments and exchange rate theory; capital mobility and expectations; internal and external adjustment under fixed and flexible exchange rates; international financial markets; capital mobility and expectations; international policy coordination and optimum currency areas; history of the international monetary system

Spring 2024: ECON BC3038

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3038	001/00741	M W 11:40am - 12:55pm 328 Milbank Hall	Miguel Casares	3.00	47/54

ECON BC3039 Environmental and Natural Resource Economics. *3 points*.
Prerequisites: ECON BC1003 or ECON W1105. Prerequisite for Economics majors: ECON BC3035.
Link between economic behavior and environmental quality: valuation of non-market benefits of pollution abatement; emissions standards; taxes; and transferable discharge permits. Specific problems of hazardous waste; the distribution of hazardous pollutants across different sub-groups of the U.S. population; the exploitation of commonly owned natural resources; and the links between the environment, income distribution, and economic development.

Fall 2024: ECON BC3039

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3039	001/00488	T Th 2:40pm - 3:55pm 504 Diana Center	Belinda Archibong	3	45/50

ECON BC3043 Monetary Theory # Policy. *3.00 points*.
Prerequisites: ECON BC3033 and ECON BC3035
This course deals with topics in both monetary theory and monetary policy and is designed for students interested in monetary economics and/or those aiming at working in policy institutions such as central banks. Monetary economics examines the relationship between real economic variables at the aggregate level and nominal variables (such as the inflation rate, nominal interest rates, nominal exchange rates, and the supply of money). Therefore, monetary economics overlaps significantly with macroeconomics. However, students in this class learn the "Money View" framework as their analytical tool as it provides a more in-depth treatment of money and central banking than is customary in standard macroeconomics textbooks

Spring 2024: ECON BC3043

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3043	001/00743	T Th 6:10pm - 7:25pm 323 Milbank Hall	Elham Saeidinezhad	3.00	42/50

ECON BC3048 Introduction to Behavioral Economics. *3.00 points*.
Prerequisites: ECON BC3035
This course reviews the assumption of rationality in microeconomic theory and presents evidence (primarily from experimental psychology and economics) of how judgement and decision-making systematically deviate from what rationality predicts

ECON BC3098 GUIDED RESEARCH IN ECONOMICS. *1.00-2.00 points*.
1 or 2 points

Prerequisites: Instructor's permission
Prerequisites: Instructors permission Provides students with the experience of participating in the research process by matching them to a faculty mentor who will put them to work on one of his or her current research projects

Spring 2024: ECON BC3098

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3098	001/00844		Martina Jasova	1.00-2.00	6/7
ECON 3098	002/00880		Belinda Archibong	1.00-2.00	0/4
ECON 3098	003/00889		Rajiv Sethi	1.00-2.00	1/1

ECON BC3099 INDEPENDENT STUDY. *1.00-4.00 points*.
Prerequisites: ECON BC3033 or ECON BC3035 or permission of the instructor. Topic(s), requirements, workload and point value to be determined in consultation with faculty advisor. Forms available at the Office of the Registrar

Fall 2024: ECON BC3099

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3099	002/00517		Mulu Gebreyohannes	1.00-4.00	7/16

ECON UN3265 MONEY AND BANKING. *3.00 points*.
Prerequisites: ECON UN3211 and ECON UN3213 or the equivalent. Introduction to the principles of money and banking. The intermediary institutions of the American economy and their historical developments, current issues in monetary and financial reform

Spring 2024: ECON UN3265

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3265	001/13939	T Th 2:40pm - 3:55pm 301 Uris Hall	Tri Vi Dang	3.00	147/150

Fall 2024: ECON UN3265

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3265	001/00050	T Th 1:10pm - 2:25pm 304 Barnard Hall	Elham Saeidinezhad	3.00	100/100

Senior Requirement

Economics majors must take EITHER Senior Thesis I and Senior Thesis II OR a Senior Seminar plus an additional upper-level economics elective.

ECON BC3061 SENIOR THESIS I. *4.00 points*.
Prerequisites: Permission of the instructor and completion of all courses (except for the senior requirement) required for the economics track, political economy track, or economics and mathematics majors. Exceptions to these prerequisites may be granted by the chair of the department only. Tutorials and conferences on the research for and writing of the senior thesis. This is the 1st semester of a two-semester course sequence

Fall 2024: ECON BC3061

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3061	001/00484	T 10:10am - 12:00pm 407 Barnard Hall	Elizabeth Ananat	4.00	6/7
ECON 3061	002/00485	W 10:10am - 12:00pm 407 Barnard Hall	Belinda Archibong	4.00	5/7
ECON 3061	003/00486	Th 2:10pm - 4:00pm 407 Barnard Hall	Sharon Harrison	4.00	5/7

ECON BC3062 SENIOR THESIS II. *4.00 points*.

Prerequisites: Permission of the instructor and completion of all courses (except for the senior requirement) required for the economics track, political economy track, or economics and mathematics majors. Exceptions to these prerequisites may be granted by the chair of the department only. Tutorials and conferences on the research for and writing of the senior thesis. This is the 2nd semester of a two-semester course sequence

Spring 2024: ECON BC3062

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3062	001/00745		Elizabeth Ananat	4.00	9/8
ECON 3062	002/00746	M 11:00am - 12:50pm 308 Diana Center	Martina Jasova	4.00	8/8
ECON 3062	003/00747	T 10:10am - 12:00pm 407 Barnard Hall	Belinda Archibong	4.00	6/8

ECON BC3063 SENIOR SEMINAR. *4.00 points*.

Prerequisites: Permission of the instructor and the completion of all courses (except for the senior requirement) required for the economics track, political economy track, or economics and mathematics majors. Exceptions to these prerequisites may be granted by the chair of the department only. Seminar sections are limited to 15 students. A topic in economic theory or policy of the instructors choice. See department for current topics and for senior requirement preference forms

Spring 2024: ECON BC3063

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3063	001/00748	Th 4:10pm - 6:00pm Ll016 Milstein Center	Lalith Munasinghe	4.00	20/20
ECON 3063	003/00749	M 2:10pm - 4:00pm 237 Milbank Hall	Martina Jasova	4.00	18/16

Fall 2024: ECON BC3063

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3063	001/00492	Th 11:00am - 12:50pm 306 Milbank Hall	Anja Tolonen	4.00	15/16
ECON 3063	002/00493	T 2:10pm - 4:00pm 912 Milstein Center	Sharon Harrison	4.00	13/16
ECON 3063	003/00649	M 2:10pm - 4:00pm 405 Barnard Hall	Martina Jasova	4.00	12/16

Cross-Listed Courses
Economics

ECON UN1105 PRINCIPLES OF ECONOMICS. *4.00 points*.

Corequisites: ECON UN1155

Corequisites: ECON UN1155 How a market economy determines the relative prices of goods, factors of production, and the allocation of resources and the circumstances under which it does it efficiently. Why such an economy has fluctuations and how they may becontrolled

Spring 2024: ECON UN1105

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 1105	001/13904	M W 8:40am - 9:55am 501 Schermerhorn Hall	Sunil Gulati	4.00	175/210
ECON 1105	002/13905	T Th 2:40pm - 3:55pm 309 Havemeyer Hall	Waseem Noor	4.00	180/210
ECON 1105	003/13906	T Th 1:10pm - 2:25pm 301 Uris Hall	Brendan O'Flaherty	4.00	128/189

Fall 2024: ECON UN1105

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 1105	001/10846	M W 8:40am - 9:55am Room TBA	Sunil Gulati	4.00	68/220
ECON 1105	002/10847	T Th 2:40pm - 3:55pm Room TBA	Waseem Noor	4.00	104/189
ECON 1105	003/10848	M W 11:40am - 12:55pm Room TBA	Isaac Bjorke	4.00	102/200

ECON UN2029 FED CHALLENGE WORKSHOP. *1.00 point*.

Prerequisites: (ECON UN1105)

Prerequisites: (ECON UN1105) The workshop prepares students to compete in the annual College Fed Challenge sponsored by the Federal Reserve. Topics covered include macroeconomic and financial conditions, monetary policy, financial stability and the Federal Reserve System

Spring 2024: ECON UN2029

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 2029	001/13908	W 12:10pm - 2:00pm 503 Hamilton Hall	Tamrat Gashaw	1.00	13/54

ECON UN2105 THE AMERICAN ECONOMY. *3.00 points*.

Prerequisites: ECON UN1105

Prerequisites: ECON UN1105 The course surveys issues of interest in the American economy, including economic measurement, well-being and income distribution, business cycles and recession, the labor and housing markets, saving and wealth, fiscal policy, banking and finance, and topics in central banking. We study historical issues, institutions, measurement, current performance and recent research

Fall 2024: ECON UN2105

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 2105	001/10849	T Th 11:40am - 12:55pm Room TBA		3.00	86/86

STEM BC2223 PROGRAMMING BEHAV SCIENCES. *4.00 points*.

ECON UN2257 THE GLOBAL ECONOMY. *3.00 points*.
Prerequisites: ECON UN1105
Prerequisites: ECON UN1105 Covers five areas within the general field of international economics: (i) microeconomic issues of why countries trade, how the gains from trade are distributed, and protectionism; (ii) macroeconomic issues such as exchange rates, balance of payments and open economy macroeconomic adjustment, (iii) the role of international institutions (World Bank, IMF, etc); (iv) economic development and (v) economies in transition

Spring 2024: ECON UN2257

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 2257	001/13909	T Th 11:40am - 12:55pm 301 Pupin Laboratories	Waseem Noor	3.00	119/189

ECON UN3025 FINANCIAL ECONOMICS. *3.00 points*.
Prerequisites: ECON UN3211 and ECON UN3213 and STAT UN1201
Prerequisites: ECON UN3211 and ECON UN3213 and STAT UN1201 Institutional nature and economic function of financial markets. Emphasis on both domestic and international markets (debt, stock, foreign exchange, eurobond, eurocurrency, futures, options, and others). Principles of security pricing and portfolio management; the Capital Asset Pricing Model and the Efficient Markets Hypothesis

Spring 2024: ECON UN3025

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3025	001/13910	M W 10:10am - 11:25am 428 Pupin Laboratories	Tamrat Gashaw	3.00	61/125
ECON 3025	003/00738	T Th 1:10pm - 2:25pm 304 Barnard Hall	Elham Saeidinezhad	3.00	92/100

Fall 2024: ECON UN3025

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3025	001/10850	M W 1:10pm - 2:25pm Room TBA		3.00	150/150
ECON 3025	002/00787	M W 6:10pm - 7:25pm Room TBA	Jose Cao-Alvira	3.00	11/60

ECON UN3211 INTERMEDIATE MICROECONOMICS. *4.00 points*.
Prerequisites: ECON UN1105 and MATH UN1101 and (MATH UN1201 or MATH UN1207)
Prerequisites: ECON UN1105 and MATH UN1101 and (MATH UN1201 or MATH UN1207) The determination of the relative prices of goods and factors of production and the allocation of resources

Spring 2024: ECON UN3211

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3211	001/13918	T Th 4:10pm - 5:25pm 310 Fayerweather	Murat Yilmaz	4.00	75/96
ECON 3211	002/13920	M W 11:40am - 12:55pm 310 Fayerweather	Isaac Bjorke	4.00	94/96
ECON 3211	003/13924	M W 1:10pm - 2:25pm 310 Fayerweather	Isaac Bjorke	4.00	95/96
ECON 3211	004/13926	T Th 11:40am - 12:55pm 310 Fayerweather	Caterina Musatti	4.00	73/96

Fall 2024: ECON UN3211

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3211	001/10851	M W 1:10pm - 2:25pm Room TBA	Susan Elmes	4.00	110/110
ECON 3211	002/11065	T Th 1:10pm - 2:25pm Room TBA		4.00	110/110
ECON 3211	003/10852	T Th 6:10pm - 7:25pm Room TBA		4.00	55/96

ECON UN3213 INTERMEDIATE MACROECONOMICS. *4.00 points*.
Prerequisites: (MATH UN1101 or MATH UN1207) and ECON UN1105 or the equivalent.
Corequisites: MATH UN1201
Prerequisites: (MATH UN1101 or MATH UN1207) and ECON UN1105 or the equivalent. Corequisites: MATH UN1201 This course covers the determination of output, employment, inflation and interest rates. Topics include economic growth, business cycles, monetary and fiscal policy, consumption and savings and national income accounting

Spring 2024: ECON UN3213

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3213	001/13930	M W 2:40pm - 3:55pm 702 Hamilton Hall	Émilien Gouin-Bonenfant	4.00	78/86
ECON 3213	002/13932	M W 4:10pm - 5:25pm 702 Hamilton Hall	Miles Leahey	4.00	72/86
ECON 3213	003/13934	T Th 2:40pm - 3:55pm 203 Mathematics Building	Irasema Alonso	4.00	119/110

Fall 2024: ECON UN3213

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3213	001/10853	M W 1:10pm - 2:25pm Room TBA	Émilien Gouin-Bonenfant	4.00	96/96
ECON 3213	002/10854	M W 2:40pm - 3:55pm Room TBA	Émilien Gouin-Bonenfant	4.00	96/96
ECON 3213	003/11056	T Th 2:40pm - 3:55pm Room TBA	Irasema Alonso	4.00	96/96

ECON UN3265 MONEY AND BANKING. *3.00 points*.
Prerequisites: ECON UN3211 and ECON UN3213 or the equivalent. Introduction to the principles of money and banking. The intermediary institutions of the American economy and their historical developments, current issues in monetary and financial reform

Spring 2024: ECON UN3265

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3265	001/13939	T Th 2:40pm - 3:55pm 301 Uris Hall	Tri Vi Dang	3.00	147/150

Fall 2024: ECON UN3265

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3265	001/00050	T Th 1:10pm - 2:25pm 304 Barnard Hall	Elham Saeidinezhad	3.00	100/100

ECON UN3412 INTRODUCTION TO ECONOMETRICS. *4.00 points*.
Prerequisites: (ECON UN3211 or ECON UN3213) and (MATH UN1201 or MATH UN1207) and STAT UN1201
Prerequisites: (ECON UN3211 or ECON UN3213) and (MATH UN1201 or MATH UN1207) and STAT UN1201 Modern econometric methods; the general linear statistical model and its extensions; simultaneous equations and the identification problem; time series problems; forecasting methods; extensive practice with the analysis of different types of data

Spring 2024: ECON UN3412

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3412	001/13941	T Th 4:10pm - 5:25pm 203 Mathematics Building	Seyhan Erden	4.00	104/110
ECON 3412	002/13942	M W 11:40am - 12:55pm 702 Hamilton Hall	Thomas Piskula	4.00	78/86
ECON 3412	003/13944	T Th 1:10pm - 2:25pm 142 Uris Hall	Michael Best	4.00	75/86

Fall 2024: ECON UN3412

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 3412	001/10859	T Th 4:10pm - 5:25pm Room TBA	Seyhan Erden	4.00	110/110
ECON 3412	002/10860	M W 2:40pm - 3:55pm Room TBA	Jushan Bai	4.00	54/96
ECON 3412	003/10861	T Th 1:10pm - 2:25pm Room TBA	Sandra Black	4.00	86/86

ECON GU4020 ECON OF UNCERTAINTY # INFORMTN. *3.00 points*.
Prerequisites: ECON UN3211 and ECON UN3213 and STAT UN1201
Prerequisites: ECON UN3211 and ECON UN3213 and STAT UN1201 Topics include behavior uncertainty, expected utility hypothesis, insurance, portfolio choice, principle agent problems, screening and signaling, and information theories of financial intermediation

Spring 2024: ECON GU4020

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4020	001/15027	M W 4:10pm - 5:25pm 516 Hamilton Hall	Ingmar Nyman	3.00	33/50

ECON GU4211 ADVANCED MICROECONOMICS. *4.00 points*.
Prerequisites: ECON UN3211 and ECON UN3213 and MATH UN2010 Students must register for required discussion section.
Corequisites: MATH UN2500,MATH GU4061
Prerequisites: ECON UN3211 and ECON UN3213 and MATH UN2010 Students must register for required discussion section. Corequisites: MATH UN2500 or MATH GU4061 The course provides a rigorous introduction to microeconomics. Topics will vary with the instructor but will include consumer theory, producer theory, general equilibrium and welfare, social choice theory, game theory and information economics. This course is strongly recommended for students considering graduate work in economics. Discussion section required

Spring 2024: ECON GU4211

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4211	001/13949	M W 1:10pm - 2:25pm 417 Mathematics Building	Susan Elmes	4.00	13/64

ECON GU4213 ADVANCED MACROECONOMICS. *4.00 points*.
Prerequisites: ECON UN3211 and ECON UN3213 and ECON UN3412 and MATH UN2010 Required discussion section ECON GU4214
Prerequisites: ECON UN3211 and ECON UN3213 and ECON UN3412 and MATH UN2010 Required discussion section ECON GU4214 An introduction to the dynamic models used in the study of modern macroeconomics. Applications of the models will include theoretical issues such as optimal lifetime consumption decisions and policy issues such as inflation targeting. This course is strongly recommended for students considering graduate work in economics

Fall 2024: ECON GU4213

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4213	001/10862	M W 5:40pm - 6:55pm Room TBA	Hassan Afrouzi Khosroshahi	4.00	8/54

ECON GU4228 Urban Economics. *3 points*.
Prerequisites: ECON UN3211 and ECON UN3213
Congestion and other games, and the pricing of transit services. Location theory and land rents. Segregation and discrimination. The fiscal structure of American cities. Zoning and the taking issue. Abandonment and city-owned property. Economic development, abatements, subsidies, and eminent domain. Crime, deadweight losses, and the allocation of police services.

ECON GU4230 ECONOMICS OF NEW YORK CITY. *3.00 points*.
Prerequisites: ECON UN3211 and ECON UN3213 and STAT Un1201
Prerequisites: ECON UN3211 and ECON UN3213 and STAT Un1201 This course takes New York as our laboratory. Economics is about individual choice subject to constraints and the ways that choices sum up to something often much more than the parts. The fundamental feature of any city is the combination of those forces that bring people together and those that push them apart. Thus both physical and social space will be central to our discussions. The underlying theoretical and empirical analysis will touch on spatial aspects of urban economics, regional, and even international economics. We will aim to see these features in New York City taken as a whole, as well as in specific neighborhoods of the city. We will match these theoretical and empirical analyses with readings that reflect close observation of specific subjects. The close observation is meant to inspire you to probe deeply into a topic in order that the tools and approaches of economics may illuminate these issues in a fresh way

Spring 2024: ECON GU4230

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4230	001/13960	T Th 10:10am - 11:25am 614 Schermerhorn Hall	Donald Davis	3.00	41/110

ECON GU4251 INDUSTRIAL ORGANIZATION. *3.00 points*.
Prerequisites: ECON UN3211 and ECON UN3213
Prerequisites: ECON UN3211 and ECON UN3213 The study of industrial behavior based on game-theoretic oligopoly models. Topics include pricing models, strategic aspects of business practice, vertical integration, and technological innovation

Spring 2024: ECON GU4251

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4251	001/13962	T Th 10:10am - 11:25am 717 Hamilton Hall	Pietro Tebaldi	3.00	48/86

Fall 2024: ECON GU4251

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4251	001/10863	M W 4:10pm - 5:25pm Room TBA	Gautam Gowrisankaran	3.00	64/86

ECON GU4280 CORPORATE FINANCE. *3.00 points*.

Prerequisites: ECON UN3211 and ECON UN3213 and STAT UN1201
Prerequisites: ECON UN3211 and ECON UN3213 and STAT UN1201
An introduction to the economics principles underlying the financial decisions of firms. The topics covered include bond and stock valuations, capital budgeting, dividend policy, market efficiency, risk valuation, and risk management. For information regarding REGISTRATION for this course, go to: http://econ.columbia.edu/registration-information

Spring 2024: ECON GU4280

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4280	001/13967	M W 11:40am - 12:55pm 413 Kent Hall	Haran Segram	3.00	77/75
ECON 4280	002/13969	T Th 4:10pm - 5:25pm 614 Schermerhorn Hall	Tri Vi Dang	3.00	84/90

Fall 2024: ECON GU4280

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4280	001/10867	T Th 11:40am - 12:55pm Room TBA	Haran Segram	3.00	0/80
ECON 4280	002/10930	T Th 4:10pm - 5:25pm Room TBA	Tri Vi Dang	3.00	0/96

ECON GU4301 ECONOMIC GROWTH # DEVELOPMNT I. *3.00 points*.

Prerequisites: ECON UN3211 and ECON UN3213
Prerequisites: ECON UN3211 and ECON UN3213. Economic development is a complex and multifaceted process. Once considered a goal in itself, more recently it has become to be viewed as the fundamental means to world poverty alleviation. Today, about half of the world population still lives on less than $2 /day. Why? What does it mean to be poor? What are the forces that prevent so many people from enjoying a higher standard of living? The course opens on some fundamental macroeconomic models of economic growth and the recent debate on the geographical or institutional nature of the ultimate causes of growth or arrested development. Then we will move into the most recent microeconomic literature that sheds light on the lives of the poor and on the forces - in particular the market distortions and the market failures - that keep billions in poverty. Among others, we will discuss interesting topics like nutrition and health, the cultural origins of corruption, the effect of global warming, and the design of effective anti-poverty programs

ECON GU4321 ECONOMIC DEVELOPMENT. *3.00 points*.

Prerequisites: ECON UN3211 and ECON UN3213
Prerequisites: ECON UN3211 and ECON UN3213 Historical comparative examination of the economic development problems of the less developed countries; the roles of social institutions and human resource development; the functions of urbanization, rural development, and international trade

Fall 2024: ECON GU4321

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4321	001/10931	T Th 1:10pm - 2:25pm Room TBA	Jack Willis	3.00	64/86

ECON GU4325 ECONOMIC DEVELOPMENT OF JAPAN. *3.00 points*.

CC/GS/SEAS: Partial Fulfillment of Global Core Requirement

Prerequisites: ECON UN3211 and ECON UN3213
Prerequisites: ECON UN3211 and ECON UN3213 The growth and structural changes of the post-World War II economy; its historical roots; interactions with cultural, social, and political institutions; economic relations with the rest of the world

ECON GU4370 POLITICAL ECONOMY. *3.00 points*.

Prerequisites: ECON UN3211 and ECON UN3213 and STAT UN1201 or POLS 4710 for those who declared prior to Spring 2014.
The objective of this course is to develop understanding of how political institutions and behavior shape economic outcomes, and vice versa. Starting from the micro level study of political behavior, we will build up to analyze the internal workings of institutions and ultimately macro level economic and political outcomes. During the course we will cover the following topics • Limits and potential of markets • Public goods provision • Voting • Redistribution

Fall 2024: ECON GU4370

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4370	001/10932	M W 10:10am - 11:25am Room TBA	Alessandra Casella	3.00	70/70

ECON GU4400 LABOR ECONOMICS. *3.00 points*.

Prerequisites: ECON UN3211 and ECON UN3213
The labor force and labor markets, educational and man power training, unions and collective bargaining, mobility and immobility, sex and race discrimination, unemployment.

ECON GU4412 ADVANCED ECONOMETRICS. *4.00 points*.

Prerequisites: ECON UN3211 and ECON UN3213 and ECON UN3412 and MATH UN2010 Students must register for required discussion section.
Prerequisites: ECON UN3211 and ECON UN3213 and ECON UN3412 and MATH UN2010 Students must register for required discussion section. The linear regression model will be presented in matrix form and basic asymptotic theory will be introduced. The course will also introduce students to basic time series methods for forecasting and analyzing economic data. Students will be expected to apply the tools to real data

ECON GU4415 GAME THEORY. *3.00 points*.

Prerequisites: ECON UN3211 and ECON UN3213
Prerequisites: ECON UN3211 and ECON UN3213 Introduction to the systematic treatment of game theory and its applications in economic analysis

Spring 2024: ECON GU4415

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4415	001/13976	M W 10:10am - 11:25am 309 Havemeyer Hall	Evan Sadler	3.00	59/110

Fall 2024: ECON GU4415

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4415	001/11021	T Th 11:40am - 12:55pm Room TBA	Murat Yilmaz	3.00	96/96

ECON GU4465 PUBLIC ECONOMICS. *3.00 points*.

Prerequisites: ECON UN3211 and ECON UN3213
Prerequisites: ECON UN3211 and ECON UN3213 Types of market failures and rationales for government intervention in the economy. Benefit-cost analysis and the theory of public goods. Positive and normative aspects of taxation. The U.S. tax structure

Spring 2024: ECON GU4465

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4465	001/13979	M W 11:40am - 12:55pm 233 Seeley W. Mudd Building	Timothy Goodspeed	3.00	34/45

Fall 2024: ECON GU4465

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4465	001/11023	M W 2:40pm - 3:55pm Room TBA	Wojciech Kopczuk	3.00	41/60

ECON GU4480 GENDER # APPLIED ECONOMICS. *3.00 points*.

Prerequisites: ECON UN3211 and ECON UN3213

Prerequisites: ECON UN3211 and ECON UN3213 This course studies gender gaps, their extent, determinants and consequences. The focus will be on the allocation of rights in different cultures and over time, why women's rights have typically been more limited and why most societies have traditionally favored males in the allocation of resources

Fall 2024: ECON GU4480

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4480	001/11024	M W 4:10pm - 5:25pm Room TBA	Lena Edlund	3.00	47/60

ECON GU4500 INTERNATIONAL TRADE. *3.00 points*.

Prerequisites: ECON UN3211 and ECON UN3213

Prerequisites: ECON UN3211 and ECON UN3213 The theory of international trade, comparative advantage and the factor endowments explanation of trade, analysis of the theory and practice of commercial policy, economic integration. International mobility of capital and labor; the North-South debate

Fall 2024: ECON GU4500

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4500	001/11026	T Th 10:10am - 11:25am Room TBA	Waseem Noor	3.00	86/86

ECON GU4750 GLOBALIZATION # ITS RISKS. *3.00 points*.

Prerequisites: ECON UN3211 and ECON UN3213

Prerequisites: ECON UN3211 and ECON UN3213 The world is being transformed by dramatic increases in flows of people, goods and services across nations. Globalization has the potential for enormous gains but is also associated to serious risks. The gains are related to international commerce where the industrial countries dominate, while the risks involve the global environment, poverty and the satisfaction of basic needs that affect in great measure the developing nations. Both are linked to a historical division of the world into the North and the South-the industrial and the developing nations. Key to future evolution are (1) the creation of new markets that trade privately produced public goods, such as knowledge and greenhouse gas emissions, as in the Kyoto Protocol; (2) the updating of the Breton Woods Institutions, including the creation of a Knowledge Bank and an International Bank for Environmental Settlements

Spring 2024: ECON GU4750

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
ECON 4750	001/13982	M W 5:40pm - 6:55pm 517 Hamilton Hall	Graciela Chichilnisky	3.00	76/86

Industrial Engineering and Operations Research

IEOR E2261 ACCOUNTING AND FINANCE. *3.00 points*.

Lect: 3.

Prerequisites: (ECON UN1105)

For undergraduates only. Examines the fundamental concepts of financial accounting and finance, from the perspective of both managers and investors. Key topics covered include principles of accrual accounting; recognizing and recording accounting transactions; preparation and analysis of financial statements; ratio analysis; pro-forma projections; time value of money (present values, future values and interest/discount rates); inflation; discounted-cash-flow (DCF) project evaluation methods; deterministic and probabilistic measures of risk; capital budgeting

Fall 2024: IEOR E2261

Course Number	Section/Call Number	Times/Location	Instructor	Points	Enrollment
IEOR 2261	001/14531	F 10:10am - 12:40pm Room TBA	Nadejda Zaets	3.00	68/120