

DEPARTMENT OF ECONOMICS



The Department of Economics is a vibrant learning community that supports the intellectual development and professional aspirations of undergraduates, graduate students, and faculty alike. Economics is a broad social science that brings together diverse tools for understanding the choices we make, the constraints we face, and the consequences for the critical social issues of equity, efficiency, and sustainability.

Our programs offer a variety of economic approaches to understanding some of the most pressing challenges of our time: how wealth, poverty, and inequality are generated; the economics of climate change; how nations are connected in global markets; the role of governments in managing markets; and so much more.

Our faculty members are caring teachers and prolific scholars who have active research agendas, providing many opportunities for both graduate and undergraduate students to collaborate. Our goal is to prepare our students to be critical thinkers who understand the debates about economic methodology and policy, as well as the techniques of economic analysis.

Contact Us:

Office in Clark Building, Room C306
(970) 491-6324 | cla_economics@colostate.edu
economics.colostate.edu (<http://economics.colostate.edu>)

Professor Daniele Tavani, Department Chair

Professor Anita Pena, Director of Graduate Studies

Professor Martin Shields, Director of Undergraduate Studies

Undergraduate Major

- Economics (<https://catalog.colostate.edu/general-catalog/colleges/liberal-arts/economics/economics-major/>)

Minor

- Economics (<https://catalog.colostate.edu/general-catalog/colleges/liberal-arts/economics/economics-minor/>)

Certificates

- Economics Studies (<https://catalog.colostate.edu/general-catalog/colleges/liberal-arts/economics/economics-studies-certificate/>)
- International Economics (<https://catalog.colostate.edu/general-catalog/colleges/liberal-arts/economics/international-economics-certificate/>)
- Macroeconomics (<https://catalog.colostate.edu/general-catalog/colleges/liberal-arts/economics/macroeconomics-certificate/>)

Undergraduate Program Highlights:

- We offer traditional, honors (<http://honors.colostate.edu/admissions/>), accelerated (<https://provost.colostate.edu/accelerated-programs/>), and online bachelor's degree (https://www.online.colostate.edu/degrees/economics/?utm_source=geniusmonkey&utm_medium=viewthrough) programs **so you can choose the path that is right for you.**
- The Economics major includes a solid foundation in economic analysis and provides the option to develop **an area of specialty in one of six tracks:** development/international economics, environmental economics, public policy, quantitative economics, political economy, and economics of race, class, and gender.
- Our students are required to choose a second major or minor, **giving them the flexibility to tailor their education to their unique interests and goals.**
- **Economics is a versatile major that can be a gateway to many career paths** in government, finance, nonprofit organizations, law, academia, and much more. Our students develop a framework for thinking analytically, and they also get the data and communication skills needed to be successful in the workplace.
- **Economics majors have the unique opportunity to apply for paid research internships**, providing opportunities to deepen their research skillsets and collaborate with our award-winning faculty. Every senior also develops an independent research project as part of the capstone course (ECON 492).

Graduate Graduate Programs in Economics

The Department of Economics is currently only admitting students to the Doctor of Philosophy (Ph.D.) program.

Six primary fields are presently emphasized: international economics, development economics, public economics, political economy, environmental economics, and regional economics. Core requirements include micro, macro, and heterodox theory, as well as history of economic thought and applied econometrics.

More information is available in the Graduate and Professional Bulletin (<https://catalog.colostate.edu/general-catalog/graduate-bulletin/>).

Master's Program

Students admitted to the Ph.D. program earn a master's degree along the way. If a student does not pass the qualifying exam or does not wish to complete the doctorate after two years of study, they may exit the program with a Master of Arts in Economics (Plan B).

- Master of Arts in Economics, Plan B (<https://catalog.colostate.edu/general-catalog/colleges/liberal-arts/economics/plan-b-ma-economics-technical-paper-option/>)

Ph.D.

- Ph.D. in Economics (<https://catalog.colostate.edu/general-catalog/colleges/liberal-arts/economics/economics-phd/>)

Courses Economics (ECON)

ECON 101 Economics of Social Issues (GT-SS1) Credits: 3 (3-0-0)

Course Description: Introduction to how economics addresses issues related to economic growth and stability, inequality, immigration, healthcare, and more. Students are equipped with knowledge needed to analyze contemporary economic and social policies.

Prerequisite: None.

Registration Information: Sections may be offered: Online.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Traditional.

Special Course Fee: No.

Additional Information: Social & Behavioral Sciences 3C, Economic or Political Systems (GT-SS1).

ECON 111 Introduction to the Economics Major Credit: 1 (1-0-0)

Course Description: Introduction to the subject of economics, to the department and faculty, to the curriculum, opportunities for leadership in the department, and an overview of careers in economics.

Prerequisite: None.

Restriction: Must be a: Undergraduate.

Registration Information: Sections may be offered: Online. Credit not allowed for both ECON 111 and ECON 180A1.

Term Offered: Fall.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: No.

ECON 135 Analytical Tools for Economics Credits: 3 (3-0-0)

Course Description: Economic modeling and the fundamentals of sound economic reasoning. Focus on essential tools for economic analysis including mathematical topics such as functions, graphs, equilibrium concepts, derivatives, comparative statics, and basic optimization.

Prerequisite: MATH 141, may be taken concurrently or MATH 155, may be taken concurrently or MATH 156, may be taken concurrently or MATH 160, may be taken concurrently.

Registration Information: Sections may be offered: Online. Credit not allowed for both ECON 135 and ECON 180A2.

Terms Offered: Fall, Spring.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 202 Principles of Microeconomics (GT-SS1) Credits: 3 (2-0-1)

Course Description: Introduction to economic models of individual and business interactions in both competitive and non-competitive markets. Special emphasis is on efficiency and how different market structures (e.g., monopolies) affect both consumers and producers. Use these models to analyze a variety of public policies regarding the environment, taxation, poverty, inequality, health, and international trade, among others.

Prerequisite: MATH 117, may be taken concurrently or MATH 118, may be taken concurrently or MATH 120, may be taken concurrently or MATH 127, may be taken concurrently or MATH 141, may be taken concurrently or MATH 155, may be taken concurrently or MATH 160, may be taken concurrently.

Registration Information: Must register for lecture and recitation. Credit not allowed for both AREC 202 and ECON 202. Sections may be offered: Online.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Traditional.

Special Course Fee: No.

Additional Information: Social & Behavioral Sciences 3C, Economic or Political Systems (GT-SS1).

ECON 204 Principles of Macroeconomics (GT-SS1) Credits: 3 (2-0-1)

Course Description: Development of the necessary tools to study economic issues that affect the whole economy, including recessions, unemployment, inflation, economic growth, and fiscal and monetary policy. Introduction to handling and interpreting real-world macroeconomic data.

Prerequisite: MATH 117, may be taken concurrently or MATH 118, may be taken concurrently or MATH 120, may be taken concurrently or MATH 127, may be taken concurrently or MATH 141, may be taken concurrently or MATH 155, may be taken concurrently or MATH 160, may be taken concurrently.

Registration Information: Must register for lecture and recitation. Sections may be offered: Online.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Traditional.

Special Course Fee: No.

Additional Information: Social & Behavioral Sciences 3C, Economic or Political Systems (GT-SS1).

ECON 211 Gender in the Economy (GT-SS1) Credits: 3 (3-0-0)

Course Description: Examine ways in which gender, as a culturally defined concept, affects how economic lives are organized in the family, the workplace, and the wider society, as well as how the economy affects genders differently. Explore how gender identity, like race, ethnicity, and class, are a useful lens for thinking critically about economic outcomes and policies.

Prerequisite: None.

Registration Information: Sections may be offered: Online.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Traditional.

Special Course Fee: No.

Additional Information: 1C, Economic or Political Systems (GT-SS1).

ECON 212 Racial Inequality and Discrimination (GT-SS1) Credits: 3 (3-0-0)

Course Description: Examine the causes and consequences of racial disparities as well as economic policies to address inequalities. Investigate racial disparities in various socioeconomic indicators such as education, labor markets, housing, and wealth, exploring the merits and limitations of various economic approaches to explaining and overcoming these inequalities.

Prerequisite: None.

Registration Information: Sections may be offered: Online.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

Additional Information: 1C, Economic or Political Systems (GT-SS1).

ECON 235 Working With Data Credits: 3 (3-0-0)

Also Offered As: LB 235.

Course Description: Data management and spreadsheet skills; what data is and how it is used (and misused) in social and economic research; applied questions such as how data is collected, types of data, where to find data, how to summarize and tabulate data, and data visualization and presentation.

Prerequisite: None.

Registration Information: Sections may be offered: Online. Credit allowed for only one of the following ECON 235, ECON 280A1, or LB 235.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 240 Economics of Environmental Sustainability (GT-SS1) Credits: 3 (3-0-0)

Also Offered As: AREC 240.

Course Description: Explore why environmental degradation occurs and how to make economies more sustainable and inclusive. Learn and apply economic concepts and tools to better manage land and biodiversity loss, water scarcity, minerals and energy, fish and oceans, forests and wildlife, air pollution, and climate change.

Prerequisite: None.

Registration Information: Sections may be offered: Online. Credit not allowed for both AREC 240 and ECON 240.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Traditional.

Special Course Fee: No.

Additional Information: Social & Behavioral Sciences 3C, Economic or Political Systems (GT-SS1).

ECON 304 Intermediate Macroeconomics Credits: 3 (3-0-0)

Course Description: Theory of national income, its measurement and determinants; analysis of inflation, growth, debt, and public policy.

Prerequisite: (ECON 204) and (MATH 141 or MATH 155 or MATH 160).

Registration Information: Sections may be offered: Online.

Terms Offered: Fall, Spring, Summer.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 306 Intermediate Microeconomics Credits: 3 (3-0-0)

Course Description: Analysis of competitive and noncompetitive markets in terms of efficiency of resource utilization.

Prerequisite: (AREC 202 or ECON 202) and (MATH 141 or MATH 155 or MATH 160).

Registration Information: Sections may be offered: Online.

Terms Offered: Fall, Spring, Summer.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 310 Poverty and the Welfare State Credits: 3 (3-0-0)

Prerequisite: AREC 202 or ECON 101 or ECON 202.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 314 Game Theory in Economics Credits: 3 (3-0-0)

Course Description: Use of game theory in economics. Learn how game theory can be used to gain insights into how individuals and businesses interact in markets. Key topics include models of limited competition (e.g., duopolies and cartels), strategic behavior (e.g., pricing policies and entry deterrence), and games of asymmetric information.

Prerequisite: ECON 202.

Registration Information: Sections may be offered: Online.

Term Offered: Fall (odd years).

Grade Mode: Traditional.

Special Course Fee: No.

ECON 315 Money and Banking Credits: 3 (3-0-0)

Course Description: Monetary theory and policy; description of financial institutions and markets.

Prerequisite: ECON 204.

Registration Information: Sections may be offered: Online.

Terms Offered: Fall, Spring, Summer.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 316 Behavioral Economics Credits: 3 (3-0-0)

Course Description: Behavioral economics uses insights from psychology to provide an alternative to the standard rational choice model used in economics. Application of behavioral concepts to economic policy issues, including climate change/environment, public health, saving and finance, race and gender inequality, economic development, and macroeconomics.

Prerequisite: ECON 202 and ECON 204.

Registration Information: Sections may be offered: Online. Credit not allowed for both ECON 316 and ECON 381A3.

Terms Offered: Fall, Spring.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 317 Population Economics Credits: 3 (3-0-0)

Course Description: Economics analysis of population issues.

Prerequisite: AREC 202 or ECON 202.

Registration Information: Sections may be offered: Online.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 320 Economics of Public Finance Credits: 3 (3-0-0)

Prerequisite: ECON 204.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 325 Health Economics Credits: 3 (3-0-0)

Prerequisite: ECON 202 or AREC 202.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 327 Law and Economics Credits: 3 (3-0-0)

Course Description: Economic analysis of the common law.

Prerequisite: ECON 202 or AREC 202.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 332 International Political Economy Credits: 3 (3-0-0)**Also Offered As:** POLS 332.**Course Description:** Theories on relations between international politics and economics. Policy implications of different theories and case studies.**Prerequisite:** (ECON 202 or AREC 202) and (POLS 232).**Registration Information:** Credit not allowed for both ECON 332 and POLS 332.**Terms Offered:** Fall, Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 335 Introduction to Econometrics Credits: 3 (3-0-0)****Also Offered As:** AREC 335.**Course Description:** Estimating statistical regression models of economic relationships; treatment of special problems that may arise in analysis of economic data.**Prerequisite:** (ECON 204) and (STAT 201 or STAT 204 or STAT 301 or STAT 307 or STAT 311 or STAT 315) and (MATH 141 or MATH 155 or MATH 160).**Registration Information:** Credit not allowed for both ECON 335 and AREC 335. Sections may be offered: Online.**Terms Offered:** Fall, Spring.**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 340 Introduction-Economics of Natural Resources Credits: 3 (3-0-0)****Also Offered As:** AREC 340.**Course Description:** Concepts, theories, institutions; analytical methods for economic evaluation of alternative resource use patterns and land use plans.**Prerequisite:** ECON 202 or AREC 202.**Registration Information:** Sections may be offered: Online. Credit not allowed for both AREC 340 and ECON 340.**Term Offered:** Spring.**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 346 Economics of Outdoor Recreation Credits: 3 (3-0-0)****Also Offered As:** AREC 346.**Course Description:** Application of benefit-cost framework to public planning for outdoor recreation. Topics include non-market valuation, projecting demand, cost of supplying recreation, and regional economic development.**Prerequisite:** ECON 202 or AREC 202.**Registration Information:** Sections may be offered: Online. Credit not allowed for both AREC 346 and ECON 346.**Term Offered:** Fall.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 370 Comparative Economic Systems Credits: 3 (3-0-0)****Course Description:** Place of the economy in different societies; nature and evolution of capitalism; crisis of command economies and capitalist restoration.**Prerequisite:** ECON 101 or ECON 202 or AREC 202.**Term Offered:** Fall.**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 372 History of Economic Institutions and Thought Credits: 3 (3-0-0)****Course Description:** Origins and development of capitalist institutions including contemporary issues of alienation, loss of community, and changing values.**Prerequisite:** ECON 101 or ECON 202 or AREC 202.**Registration Information:** Sections may be offered: Online.**Terms Offered:** Fall, Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 376 Political Economy of Capitalism Credits: 3 (3-0-0)****Course Description:** A critique of standard theorization of capitalism drawing on political economy approaches, with a focus on both historical evolution and contemporary issues.**Prerequisite:** AREC 202 or ECON 101 or ECON 202.**Terms Offered:** Fall, Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 379 Economic History of the United States Credits: 3 (3-0-0)****Also Offered As:** HIST 379.**Course Description:** Economic analysis of growth and welfare from beginning of industrialization to present.**Prerequisite:** ECON 101 or ECON 202 or AREC 202.**Registration Information:** ECON 101 or ECON 202 or AREC 202 or any 2 courses in American history. Credit not allowed for both ECON 379 and HIST 379.**Term Offered:** Fall.**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 404 Macroeconomic Policy Credits: 3 (3-0-0)****Course Description:** Alternative macroeconomic policies, policy coordination; application to current macroeconomic problems, policies, proposals.**Prerequisite:** ECON 304.**Term Offered:** Spring.**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 410 Labor Economics Credits: 3 (3-0-0)****Course Description:** Capital/labor relationship; supply, demand of labor; wage determination; role of unions; unemployment and instability; structure of modern working class.**Prerequisite:** ECON 306.**Term Offered:** Spring (even years).**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 435 Intermediate Econometrics Credits: 3 (3-0-0)****Course Description:** Econometric theory, model identification, testing, and estimation.**Prerequisite:** (ECON 204) and (AREC 335 or ECON 335 or STAT 341).**Term Offered:** Spring (even years).**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.

ECON 436 Economic Forecasting Credits: 3 (3-0-0)

Course Description: Develop a range of forecasting skills to become an effective forecaster in both the private and public sectors. Focus on the acquisition of time series data that comes from a number of government and semi-private websites, and on the three most popular econometric techniques used in forecasting: univariate, vector autoregressive (VAR) and vector error correction (VECM) models.

Prerequisite: AREC 335 or ECON 335.

Registration Information: Sections may be offered: Online.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 440 Economics of International Trade and Policy Credits: 3 (3-0-0)

Course Description: Theory of international trade; payments, commercial policies, and economic integration.

Prerequisite: ECON 306.

Registration Information: Sections may be offered: Online.

Term Offered: Fall.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 442 Economics of International Finance and Policy Credits: 3 (3-0-0)

Course Description: Balance of payments, adjustment mechanisms, and international monetary systems.

Prerequisite: ECON 304.

Registration Information: Sections may be offered: Online.

Term Offered: Spring.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 444 Economics of Energy Resources Credits: 3 (3-0-0)

Also Offered As: AREC 444.

Course Description: Supply, consumption trends, and projected demand for alternative energy resources in domestic and world perspective; economics of public energy policies.

Prerequisite: ECON 306.

Registration Information: Junior standing. Sections may be offered: Online. Credit allowed for only one of the following: AREC 444, ECON 344, or ECON 444.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 460 Economic Development Credits: 3 (3-0-0)

Course Description: Economic problems of underdeveloped nations.

Prerequisite: ECON 304.

Registration Information: Sections may be offered: Online.

Term Offered: Fall.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 463 Regional Economics Credits: 3 (3-0-0)

Course Description: Introduction to economic importance of location for firms, consumers, and policy makers. Basic tools, applications, and student research.

Prerequisite: ECON 306.

Registration Information: Sections may be offered: Online.

Terms Offered: Fall, Spring, Summer.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 474 Recent Economic Thought Credits: 3 (3-0-0)

Course Description: Nontraditional schools of economic thought, such as institutionalism and neo-Marxism, that critique neoclassical economic theory.

Prerequisite: ECON 304 and ECON 306.

Term Offered: Spring.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 484 Supervised College Teaching Credits: Var[1-3] (0-0-0)

Course Description: Assistance in teaching introductory economics courses.

Prerequisite: ECON 304 and ECON 306.

Registration Information: Written consent of instructor. A maximum of 10 combined credits for all 384 and 484 courses are counted towards graduation requirements.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

ECON 487 Internship Credits: Var[1-3] (0-0-0)

Course Description: Supervised work experience integrating disciplinary learning and career exploration.

Prerequisite: ECON 202 with a minimum grade of C and ECON 204 with a minimum grade of C.

Registration Information: Written consent of instructor. Economics majors and minors only. Sections may be offered: Online.

Terms Offered: Fall, Spring, Summer.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: No.

ECON 492 Seminar Credits: 3 (0-0-3)

Course Description: Summarizes, discusses, and applies issues and policies chosen by the instructor. Emphasis on student participation, discussion, and research.

Prerequisite: (AREC 335, may be taken concurrently or ECON 335, may be taken concurrently) and (ECON 304, may be taken concurrently and ECON 306, may be taken concurrently).

Restriction: .

Registration Information: Senior standing. Sections may be offered: Online.

Terms Offered: Fall, Spring.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 495 Independent Study Credits: Var[1-3] (0-0-0)

Course Description: Individual investigation of a special topic in economics under direction of faculty.

Prerequisite: None.

Registration Information: Written consent of instructor. Sections may be offered: Online.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

ECON 501 Quantitative Methods for Economists Credits: 3 (3-0-0)

Prerequisite: MATH 141 or MATH 155 or MATH 160.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 504 Applied Macroeconomics Credits: 3 (3-0-0)

Course Description: Application of macroeconomic models to economic growth, economic fluctuations, and policy analysis.

Prerequisite: ECON 304 and ECON 306.

Term Offered: Spring.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 505 History of Economic Thought Credits: 3 (3-0-0)

Prerequisite: None.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 506 Applied Microeconomic Theory Credits: 3 (3-0-0)

Also Offered As: AREC 506.

Course Description: Introduction to mathematical models in modern microeconomics, including choices and demand, production and supply, and market structures and failures.

Prerequisite: ECON 306.

Registration Information: Credit not allowed for both ECON 506 and AREC 506.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 510 Labor Market Analysis Credits: 3 (3-0-0)

Prerequisite: ECON 304 and ECON 306.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 515 Financial Institutions-Structure/Regulation Credits: 3 (3-0-0)

Course Description: Regulation of financial institutions in the U.S.; international banking and international financial institutions, and financial modernization.

Prerequisite: None.

Term Offered: Fall (odd years).

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 520 Public Economics I Credits: 3 (3-0-0)

Course Description: Analysis and evaluation of tax policy in terms of efficiency and equity.

Prerequisite: ECON 506 or AREC 506 or ECON 606 or AREC 606.

Term Offered: Spring.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 530 Methodology of Economic Research Credits: 3 (3-0-0)

Also Offered As: AREC 570.

Course Description: Philosophical foundations of science and research. Concepts and skills for planning, performing, reporting, and evaluating economic research.

Prerequisite: ECON 304 and ECON 306.

Registration Information: Credit not allowed for both ECON 530 and AREC 570.

Term Offered: Fall (even years).

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 535 Applied Econometrics Credits: 3 (3-0-0)

Also Offered As: AREC 535.

Course Description: Econometric techniques applied to testing and quantification of theoretical economic relationships drawn from both microeconomics, macroeconomics.

Prerequisite: (ECON 335 or AREC 335) and (ECON 304 or ECON 306).

Registration Information: Credit not allowed for both AREC 535 and ECON 535.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 540 Environmental and Natural Resource Economics Credits: 3 (3-0-0)

Also Offered As: AREC 540.

Course Description: Theory, methods, and policy in environmental and natural resource economics.

Prerequisite: AREC 506 or ECON 506.

Registration Information: Credit not allowed for both ECON 540 and AREC 540.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 541 Environmental Economics Credits: 3 (3-0-0)

Also Offered As: AREC 541.

Course Description: Economics of environmental policy; partial equilibrium and general equilibrium model; pollution; natural environments; population and economic growth.

Prerequisite: ECON 306.

Registration Information: Credit not allowed for both ECON 541 and AREC 541.

Term Offered: Spring.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 563 Regional Economics-Theory, Methods, and Issues Credits: 3 (3-0-0)

Also Offered As: AREC 563.

Course Description: Tools and methods of regional economics, including supply, demand, and externality analysis. Applications to current urban and regional policy issues.

Prerequisite: ECON 306 and ECON 501, may be taken concurrently.

Registration Information: Credit not allowed for both ECON 563 and AREC 563.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 570 Evolution of Economic Thought Credits: 3 (3-0-0)

Course Description: From Plato and Aristotle to the modern period.

Prerequisite: ECON 304 and ECON 306.

Term Offered: Fall (even years).

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

ECON 604 Macroeconomic Analysis I Credits: 3 (3-0-0)

Course Description: Theoretical and empirical analysis of short-run and long-run macroeconomic performance across countries using dynamic models.

Prerequisite: ECON 304 and ECON 501.

Restriction: Must be a: Graduate, Professional.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

ECON 606 Microeconomic Analysis I Credits: 3 (3-0-0)**Also Offered As:** AREC 606.**Course Description:** Advanced price/allocation theory: consumer/producer decisions; uncertainty; market structure; partial/general equilibrium; efficiency/welfare.**Prerequisite:** ECON 306 and ECON 501.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** Credit not allowed for both ECON 606 and AREC 606.**Term Offered:** Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 635 Econometric Theory I Credits: 3 (3-0-0)****Also Offered As:** AREC 635.**Course Description:** Theory of mathematical statistics and classical linear regression model in context of economic application.**Prerequisite:** (AREC 535 or ECON 535) and (ECON 501, may be taken concurrently).**Restriction:** Must be a: Graduate, Professional.**Registration Information:** Credit not allowed for both ECON 635 and AREC 635.**Term Offered:** Fall.**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 640 International Trade Theory Credits: 3 (3-0-0)****Course Description:** Theory of international trade including comparative advantage, factor growth, market distortions, and commercial policy.**Prerequisite:** ECON 306 or ECON 506.**Restriction:** Must be a: Graduate, Professional.**Term Offered:** Fall.**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 663 Urban and Regional Modeling Credits: 3 (3-0-0)****Course Description:** Methodological approaches in regional economics: general equilibrium, input-output, computable general equilibrium models; social accounting matrices.**Prerequisite:** ECON 506.**Restriction:** Must be a: Graduate, Professional.**Term Offered:** Spring.**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 695 Independent Study Credits: Var[1-18] (0-0-0)****Course Description:****Prerequisite:** None.**Restriction:** Must be a: Graduate, Professional.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Instructor Option.**Special Course Fee:** No.**ECON 698 Research--Technical Paper Credits: 3 (0-0-3)****Course Description:****Prerequisite:** (ECON 504 and ECON 506 and ECON 705) and (AREC 735 or ECON 735).**Restriction:** Must be a: Graduate, Professional.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Instructor Option.**Special Course Fee:** No.**ECON 699 Thesis Credits: Var[1-18] (0-0-0)****Course Description:****Prerequisite:** None.**Restriction:** Must be a: Graduate, Professional.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Instructor Option.**Special Course Fee:** No.**ECON 704 Macroeconomic Analysis II Credits: 3 (3-0-0)****Course Description:** Theoretical and empirical frameworks for analyzing macroeconomic policies and their impact on economic growth, employment, and income distribution.**Prerequisite:** ECON 604.**Restriction:** Must be a: Graduate, Professional.**Term Offered:** Fall.**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 705 Heterodox Approaches to Economics Credits: 3 (3-0-0)****Course Description:** Contemporary heterodox approaches to economic research.**Prerequisite:** ECON 505.**Restriction:** Must be a: Graduate, Professional.**Term Offered:** Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 706 Microeconomic Analysis II Credits: 3 (3-0-0)****Also Offered As:** AREC 706.**Course Description:** Advanced topics in microtheory: game theory; market imperfections; adverse selection; principal-agent problems; social choice theory; incentives, etc.**Prerequisite:** ECON 606.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** Credit not allowed for both ECON 706 and AREC 706.**Term Offered:** Fall.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 715 Monetary Economics Credits: 3 (3-0-0)****Course Description:** Principle issues of monetary theory: money supply and demand, interest rates, and current problems of monetary policy.**Prerequisite:** ECON 504.**Restriction:** Must be a: Graduate, Professional.**Term Offered:** Fall.**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 720 Public Economics II Credits: 3 (3-0-0)****Course Description:** Analysis of welfare foundations of public expenditure, including cost-benefit analysis.**Prerequisite:** ECON 506.**Restriction:** Must be a: Graduate, Professional.**Term Offered:** Fall.**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.

ECON 735 Econometric Theory II Credits: 2 (2-0-0)**Also Offered As:** AREC 735.**Course Description:** Econometrics models and estimators in econometrics, from fully parametric to semiparametric and nonparametric approaches.**Prerequisite:** AREC 635 or ECON 635.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** Credit not allowed for both AREC 735 and ECON 735. This is a partial semester course.**Term Offered:** Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 736A Advanced Econometric Methods: Discrete Choice Models Credit: 1 (1-0-0)****Also Offered As:** AREC 736A.**Course Description:** Econometrics analysis of: Discrete Choice Models.**Prerequisite:** AREC 735, may be taken concurrently or ECON 735, may be taken concurrently.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** Credit not allowed for both ECON 736A-C and AREC 736A-C. This is a partial semester course.**Term Offered:** Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 736B Advanced Econometric Methods: Panel Data Models Credit: 1 (1-0-0)****Also Offered As:** AREC 736B.**Course Description:** Econometrics analysis of: Panel Data Models.**Prerequisite:** AREC 735, may be taken concurrently or ECON 735, may be taken concurrently.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** Credit not allowed for both ECON 736A-C and AREC 736A-C. This is a partial semester course.**Term Offered:** Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 736C Advanced Econometric Methods: Time Series Models Credit: 1 (1-0-0)****Also Offered As:** AREC 736C.**Course Description:** Econometrics analysis of: Time Series Models.**Prerequisite:** AREC 735, may be taken concurrently or ECON 735, may be taken concurrently.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** Credit not allowed for both ECON 736A-C and AREC 736A-C. This is a partial semester course.**Term Offered:** Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 736D Advanced Econometric Methods: Causal Inference Credit: 1 (1-0-0)****Also Offered As:** AREC 736D.**Course Description:** Introduces the notion of identification in econometrics and covers several commonly used methods for addressing endogeneity.**Prerequisite:** AREC 735 or ECON 735.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** This is a partial semester course. Credit not allowed for both AREC 736D or ECON 736D.**Term Offered:** Fall.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 736E Advanced Econometric Methods: Machine Learning for Econometric Analysis Credit: 1 (1-0-0)****Also Offered As:** AREC 736E.**Course Description:** Introduction to machine learning and AI to estimate causal treatment effects and create secondary datasets for use in causal inference. Explore some of the latest algorithms for machine learning and causal inference as well as readings.**Prerequisite:** AREC 735 or ECON 735.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** This is a partial semester course. Credit allowed for only one of the following: AREC 736E, AREC 780A1, ECON 736E or ECON 780A1.**Term Offered:** Fall.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 737 Advanced Econometrics Credits: 3 (3-0-0)****Course Description:** Topics relevant to PhD-level empirical Economics research. Review of estimators for the Linear Regression Model (LRM) when endogeneity is present (e.g., instrumental variables and panel data estimators). Covers non-linear and quantile regression models, examines Treatment Effects approaches to empirical analysis and issues that arise in measuring such effects. Concludes with a discussion of recent extensions in econometric analysis.**Prerequisite:** AREC 635 or ECON 635.**Restriction:** Must be a: Graduate.**Term Offered:** Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 740 Advanced Natural Resource Economics Credits: 3 (3-0-0)****Also Offered As:** AREC 740.**Course Description:** Advanced theory, methods, and literature in natural resource economics, including dynamic programming and optimal control.**Prerequisite:** AREC 706 or ECON 706.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** Credit not allowed for both AREC 740 and ECON 740.**Term Offered:** Fall.**Grade Mode:** Traditional.**Special Course Fee:** No.

ECON 741 Advanced Environmental Economics Credits: 3 (3-0-0)**Also Offered As:** AREC 741.**Course Description:** Advanced theory, methods, and literature in environmental economics.**Prerequisite:** AREC 706 or ECON 706.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** Credit not allowed for both ECON 741 and AREC 741.**Term Offered:** Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 742 International Production and Monetary Theory Credits: 3 (3-0-0)****Course Description:** Factor movements, theory of international production (multinationalism), balance of payments, and international monetary system.**Prerequisite:** ECON 304 or ECON 504.**Restriction:** Must be a: Graduate, Professional.**Term Offered:** Spring.**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 745 Advanced Ecological Economics Credits: 3 (3-0-0)****Course Description:** Advanced theory, methods, and literature in ecological economics.**Prerequisite:** AREC 606 or ECON 606.**Restriction:** Must be a: Graduate, Professional.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 760 Theories of Economic Development Credits: 3 (3-0-0)****Course Description:** Analysis of fundamentals of economic development (processes, problems, and strategies) with special reference to developing nations.**Prerequisite:** ECON 460.**Restriction:** Must be a: Graduate, Professional.**Term Offered:** Spring (odd years).**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 765 Natural Resources and Economic Development Credits: 3 (3-0-0)****Course Description:** Advanced theory, methods, and literature in natural resource and development economics.**Prerequisite:** AREC 606 or ECON 606.**Restriction:** Must be a: Graduate, Professional.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 770 Economic Thought and Systems Credits: 3 (3-0-0)****Course Description:** Aspects of modern economic thought and comparative economics selected according to backgrounds and interests of the class.**Prerequisite:** ECON 570.**Restriction:** Must be a: Graduate, Professional.**Term Offered:** Spring (even years).**Grade Modes:** S/U within Student Option, Trad within Student Option.**Special Course Fee:** No.**ECON 771 Political Economy of Race and Gender Credits: 3 (3-0-0)****Course Description:** Economic approaches to inequality based on race/ethnicity, gender, and class.**Prerequisite:** None.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** Graduate standing.**Terms Offered:** Fall, Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 772 Advanced Political Economy Credits: 3 (3-0-0)****Course Description:** Methods of Political Economy, relevance of political economy approaches, and relation to other economic approaches.**Prerequisite:** ECON 505.**Restriction:** Must be a: Graduate, Professional.**Term Offered:** Fall.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 773 The Economics of Sugar, Rum, and Slavery Credits: 3 (3-0-0)****Course Description:** Political economy theory and policy: the study of economic analyses that emphasize the role of power and institutions in structuring distributional outcomes, implicating questions of economic and social justice in the Caribbean. The course incorporates approaches grounded in economic history, development economics, international economics, and sustainability.**Prerequisite:** ECON 505.**Restriction:** Must be a: Graduate, Professional.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Traditional.**Special Course Fee:** No.**ECON 784 Supervised College Teaching Credits: Var[1-18] (0-0-0)****Course Description:****Prerequisite:** None.**Restriction:** Must be a: Graduate, Professional.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Instructor Option.**Special Course Fee:** No.**ECON 792A Seminar: Theory Credits: Var[1-18] (0-0-0)****Course Description:****Prerequisite:** None.**Restriction:** Must be a: Graduate, Professional.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Instructor Option.**Special Course Fee:** No.**ECON 792C Seminar: Social and Political Credits: Var[1-18] (0-0-0)****Course Description:****Prerequisite:** None.**Restriction:** Must be a: Graduate, Professional.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Instructor Option.**Special Course Fee:** No.**ECON 792D Seminar: Quantitative Analysis Credits: Var[1-18] (0-0-0)****Course Description:****Prerequisite:** None.**Restriction:** Must be a: Graduate, Professional.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Instructor Option.**Special Course Fee:** No.

ECON 792E Seminar: Development Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

ECON 793 Seminar--Doctoral Research Credits: 3 (0-0-3)

Course Description:

Prerequisite: (ECON 704 and ECON 705 and ECON 706) and (AREC 735 or ECON 735).

Restriction: Must be a: Graduate, Professional.

Term Offered: Spring.

Grade Mode: Instructor Option.

Special Course Fee: No.

ECON 795 Independent Study Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

ECON 799 Dissertation Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.