ECONOMICS (ECON)

ECON 199. SPECIAL TOPICS. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 201. *INTRODUCTION TO MICROECONOMICS. (4 Credits)
An introduction to microeconomic principles including the study of
temperature theory, economic scarcity, consumer behavior, production costs,
the theory of the firm, market structure, and income distribution. Other
selected topics may include market failure, international economics, and
public finance. (SS) (Bacc Core Course)
Attributes: CPSI – Core, Pers, Soc Proc & Inst; LACS – Liberal Arts Social
Core
Recommended: MTH 111

ECON 202. *INTRODUCTION TO MACROECONOMICS. (4 Credits)
An introduction to macroeconomic principles including study of the
theories of output determination, consumption, investment, inflation,
unemployment, and fiscal and monetary policy. Other selected topics may
include the study of the international balance of payments, growth and
development, and urban and regional problems. (SS) (Bacc Core Course)
Attributes: CPSI – Core, Pers, Soc Proc & Inst; LACS – Liberal Arts Social
Core
Recommended: MTH 111

ECON 311. INTERMEDIATE MICROECONOMIC THEORY. (4 Credits)
An examination of demand theory, production and cost theory, game
theory, behavioral economics, competitive and imperfectly competitive
markets, and general equilibrium and welfare economics. ECON 311 and
ECON 411 cannot both be taken for credit toward the economics major.
Prerequisites: ECON 201 with D- or better or ECON 201H with D- or better

ECON 315. INTERMEDIATE MACROECONOMIC THEORY. (4 Credits)
An examination of macroeconomic aggregates, income determination,
aggregate demand and supply. The basic macroeconomic models will be
discussed such as Keynesian, Classical, Monetarist, and Neo-Classical.
ECON 315 and ECON 415 cannot both be taken for credit toward the
Economics major.
Prerequisites: (ECON 201 with D- or better or ECON 201H with D- or better)
and (ECON 202 [D] or ECON 202H [D-])

ECON 329. INTRODUCTION TO MATHEMATICAL ECONOMICS. (4 Credits)
Mathematical methods of economic analysis. Theory of economic
structure and optimization developed through calculus and linear algebra,
dynamic systems analyzed through integral calculus and difference
differential equations. The mathematical tools are developed
in conjunction with their application to economic problems. Some
acquaintance with calculus recommended.
Prerequisites: (ECON 201 with D- or better or ECON 201H with D- or better)
and (ECON 202 [D] or ECON 202H [D-])

ECON 330. MONEY AND BANKING. (4 Credits)
Nature and functions of money; functions and operations of depository
institutions; the money market; central banking and monetary policy. (SS)
Attributes: LACS – Liberal Arts Social Core
Prerequisites: (ECON 201 with D- or better or ECON 201H with D- or better)
and (ECON 202 [D] or ECON 202H [D-])

ECON 339. SPECIAL TOPICS. (1-16 Credits)
Equivalent to: ECON 399H
This course is repeatable for 16 credits.

ECON 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: ECON 399
This course is repeatable for 16 credits.

ECON 401. RESEARCH AND SCHOLARSHIP. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 402. INDEPENDENT STUDY. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 403. THESIS. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 405. READING AND CONFERENCE. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 406. PROJECTS. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 407. SEMINAR. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 408. WORKSHOP. (1-16 Credits)
This course is repeatable for 16 credits.
ECON 410. INTERNSHIP. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 411. ADVANCED MICROECONOMIC THEORY. (4 Credits)
Rigorous treatment of optimizing behavior of economic agents and markets. Examines utility maximization and demand; cost minimization, profit maximization and supply; perfect competition and monopoly; imperfect competition and game theory; and general equilibrium, social welfare and market failure using sophisticated mathematical tools. Students cannot receive credit toward the major for both ECON 311 and ECON 411.
Prerequisites: (ECON 201 with D- or better or ECON 201H with D- or better) and (MTH 241 [D-] or MTH 251 [D-] or MTH 251H [D-])

ECON 414. BEHAVIORAL ECONOMICS. (4 Credits)
Economic analysis of the effects of social, cognitive, and emotional factors on individual decision making and their implications for market outcomes and policy making. Topics include time inconsistency, decision making under risk, cognitive dissonance, heuristics, social preferences, and experimental economics.
Prerequisites: ECON 311 with D- or better or ECON 411 with D- or better

ECON 415. ADVANCED MACROECONOMIC THEORY. (4 Credits)
Macroeconomics as an application of general equilibrium theory. Macroeconomic models are developed taking preferences and technology as primitives. The models’ short and long run predictions are analyzed and compared to the data. The welfare implications of fiscal and monetary policy are discussed. ECON 315 and ECON 415 cannot both be taken for credit toward the major.
Prerequisites: (ECON 201 with D- or better or ECON 201H with D- or better) and (ECON 202 [D-] or ECON 202H [D-]) and (MTH 241 [D-] or MTH 251 [D-] or MTH 251H [D-])

ECON 420. GAME THEORY. (4 Credits)
Systematically studies strategic interactions among multiple decision makers with applications in economics, politics, sociology, law, computer science, sports, and biology. Topics taught include static, sequential, and repeated games of perfect and imperfect information.
Attributes: LACS – Liberal Arts Social Core
Prerequisites: ECON 311 with D- or better or ECON 411 with D- or better

ECON 423. PRE-ECONOMETRICS. (4 Credits)
Introduction to probability and statistics with an emphasis on estimation and hypothesis testing. Applications to economic models.
Prerequisites: MTH 241 with D- or better or MTH 251 with D- or better or MTH 251H with D- or better

ECON 424. INTRODUCTION TO ECONOMETRICS. (4 Credits)
Application of statistical techniques, including sampling theory, hypothesis testing, and multiple regression analysis, to economic models. Economic modeling, analysis of economic data, and policy analysis are emphasized. ECON 424 and ECON 427 cannot both be taken for credit toward the major. Lec/lab.
Prerequisites: (ECON 311 with C or better or ECON 411 with C or better) and (ECON 201 with C or better or ECON 201H with C or better) and (ECON 202 [C] or ECON 202H [C] or ST 351 [C] or ST 351H [C] or ECON 423 [C])

ECON 427. INTRODUCTION TO ECONOMETRICS WITH CALCULUS. (4 Credits)
Addresses both the theory and practice of econometrics, including properties of estimators, modeling economic processes, estimation, hypothesis testing, prediction and interpretation of results. Students cannot receive credit toward the major for both ECON 424 and ECON 427. Lec/lab.
Prerequisites: (ECON 311 with C or better or ECON 411 with C or better) and (ECON 201 with D- or better or ECON 201H with D- or better) and (ECON 202 [D-] or ECON 202H [D-])

ECON 428. *INTRODUCTION TO ECONOMIC RESEARCH. (4 Credits)
Basic methods of economic research: concepts and models; data sources, collection, and presentation; hypothesis formulation and testing; policy analysis. Written assignments apply methods. (Writing Intensive Course)
Attributes: CWIC – Core, Skills, WIC
Prerequisites: ECON 311 with C- or better or ECON 411 with C- or better
Recommended: Prior completion of WR II

ECON 435. PUBLIC ECONOMICS. (4 Credits)
Composition and growth of government spending; theory of public expenditure; analysis of public expenditure programs; benefit-cost analysis; theory and practice of taxation; analysis of local, state, and federal taxes; government borrowing and fees; current issues in tax and expenditure policy.
Prerequisites: ECON 311 with C- or better or ECON 411 with C- or better

ECON 439. *PUBLIC POLICY ANALYSIS. (4 Credits)
Theory of public problems and decision making. Evaluation of public policy strategies, selected public programs and individual public projects considering the full range of efficiency and equity effects. Direct and indirect impacts of policy, strength of implicit incentives, administrative feasibility, and problems of policy implementation. (Writing Intensive Course)
Attributes: CWIC – Core, Skills, WIC
Prerequisites: ECON 311 with D- or better or ECON 411 with D- or better

ECON 440. ECONOMICS OF GLOBALIZATION. (4 Credits)
Examination of the phenomenon of globalization using economic analysis to explore controversial themes of the globalization debate—offshoring, sweatshops, child labor, environmental standards, intellectual property protection, cultural diversity, economic development, immigration, and governance.
Prerequisites: ECON 311 with D- or better

ECON 441. INTERNATIONAL FINANCE THEORY AND POLICY. (4 Credits)
Theories and policies of exchange rate regimes; fixed, floating and managed floats; internal and external trade and capital balances; international capital flows and institutions.
Prerequisites: ECON 315 with D- or better

ECON 445. ECONOMIC DEVELOPMENT. (4 Credits)
History, theories and policies for economic development in the Third World of underdeveloped countries. (SS)
Attributes: LACS – Liberal Arts Social Core
Prerequisites: ECON 201 with D- or better and ECON 202 [D-]

ECON 446. INDUSTRIAL ORGANIZATION THEORY AND POLICY. (4 Credits)
The study of the causes of market structure, the behavior of firms in game theoretic settings, and the welfare implications of competitive and imperfectly competitive markets; United States antitrust and other laws regulating business behavior.
Prerequisites: ECON 311 with D- or better or ECON 411 with D- or better

ECON 460. INDUSTRIAL ORGANIZATION THEORY AND POLICY. (4 Credits)
The analysis of the effectiveness of laws and government regulations in fostering economic efficiency and fairness. Topics include the design of laws and policies to promote social welfare and the study of the effectiveness of criminal law, antitrust law, and the government regulation of business in promoting social goals.
Prerequisites: ECON 201 with D- or better or ECON 201H with D- or better
ECON 462. MANAGERIAL ECONOMICS. (4 Credits)
The application of microeconomic theory and quantitative methods to management decisions. Case-oriented course emphasizing actual business decisions.
Prerequisites: ECON 311 with D- or better or ECON 411 with D- or better

ECON 463. EFFICIENCY AND PRODUCTIVITY ANALYSIS. (4 Credits)
Workshop on the theory and measurement of performance, especially efficiency and productivity. Emphasis on application including introduction to user-friendly software.
Prerequisites: ECON 311 with C or better or ECON 411 with C or better

ECON 466. ECONOMICS OF TRADITIONAL AND RENEWABLE ENERGY. (4 Credits)
Reviews and analyzes the economics and structure of world markets for various traditional energy (e.g., oil, coal, natural gas), as well as renewable energy (wind, geothermal and solar) with the latter focusing on the Pacific Northwest electrical industry structure and regulatory framework.
Attributes: CWIC – Core, Skills, WIC
Prerequisites: ECON 201 with D- or better or ECON 201H with D- or better

ECON 480. LABOR ECONOMICS AND SOCIAL POLICY. (4 Credits)
Interaction of workers and firms in labor markets, social policy and its effects on labor markets, human capital theory and education policy, discrimination and other sources of wage differentials, immigration, unemployment, inequality.
Prerequisites: ECON 311 with D- or better or ECON 411 with D- or better

ECON 499. SPECIAL TOPICS. (1-16 Credits)
This course is repeatable for 16 credits.
Recommended: ECON 311 or ECON 411

ECON 501. RESEARCH AND SCHOLARSHIP. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 502. INDEPENDENT STUDY. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 503. THESIS. (1-16 Credits)
This course is repeatable for 999 credits.

ECON 505. READING AND CONFERENCE. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 506. PROJECTS. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 507. SEMINAR. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 510. INTERNSHIP. (1-16 Credits)
This course is repeatable for 16 credits.

ECON 512. MICROECONOMIC THEORY I. (4 Credits)
Economic theories of consumer behavior and demand, production, cost, the firm, supply, and competitive and monopoly market structures.
Recommended: ECON 312

ECON 513. MICROECONOMIC THEORY II. (4 Credits)
Economic theories of imperfect competition, input markets, general equilibrium and welfare economics.
Recommended: ECON 512

ECON 514. BEHAVIORAL ECONOMICS. (4 Credits)
Economic analysis of the effects of social, cognitive, and emotional factors on individual decision making and their implications for market outcomes and policy making. Topics include time inconsistency, decision making under risk, cognitive dissonance, heuristics, social preferences, and experimental economics.
Recommended: ECON 311 or ECON 411

ECON 515. MACROECONOMIC THEORY I. (4 Credits)
Determination of income, employment, and prices in classical, Keynesian, monetarist, and new classical macroeconomic models. Theories of consumption, investment, money demand, and money supply. Monetary and fiscal policies, the role of expectations.
Recommended: ECON 315

ECON 517. MICROECONOMIC THEORY FOR MPP. (4 Credits)
Familiarizes MPP students who do not have a strong background in microeconomics with the material they will need for their future economics course work.
Recommended: Working knowledge of algebra and geometry.

ECON 520. GAME THEORY. (4 Credits)
Systematically studies strategic interactions among multiple decision makers with applications in economics, politics, sociology, law, computer science, sports, and biology. Topics taught include static, sequential, and repeated games of perfect and imperfect information.
Recommended: ECON 311 or ECON 411

ECON 523. STATISTICS FOR ECONOMETRICS. (4 Credits)
Examines mathematical and statistical topics essential for graduate-level econometric analysis, including matrix algebra, probability and distribution theory (emphasizing joint and conditional distributions), statistical inference, and econometric optimization algorithms.
Recommended: MTH 253 and (ST 351 or ST 351H) and (ST 352 or ECON 424 or ECON 524)

ECON 524. INTRODUCTION TO ECONOMETRICS. (4 Credits)
Application of statistical techniques, including sampling theory, hypothesis testing, and multiple regression analysis, to economic models. Economic modeling, analysis of economic data, and policy analysis are emphasized.
Recommended: (ECON 311 or ECON 411 or ECON 517) and (ST 351 or ST 351H or ECON 423)

ECON 525. ECONOMETRIC METHODS. (4 Credits)
The use of multiple regression under generalized assumptions, specification problems, an introduction to simultaneous equation estimation, the classical linear model using matrices. Emphasis on the analysis of data and communication of findings.
Prerequisites: ECON 523 with C or better
Recommended: (ECON 424 or ECON 524) and ECON 512

ECON 526. APPLIED ECONOMETRICS. (4 Credits)
Model building, hypothesis testing, and appropriate estimation procedures including generalized least squares, seemingly unrelated regressions, simultaneous equations, maximum likelihood, and limited dependent variables. Emphasis on applications and interpretation of results.
Recommended: ECON 525
**ECON 535. PUBLIC ECONOMICS. (4 Credits)**
Composition and growth of government spending; theory of public expenditure; analysis of public expenditure programs; benefit-cost analysis; theory and practice of taxation; analysis of local, state, and federal taxes; government borrowing and fees; current issues in tax and expenditure policy.
Recommended: ECON 311 or ECON 411

**ECON 539. PUBLIC POLICY ANALYSIS. (4 Credits)**
Theory of public problems and decision making. Evaluation of public policy strategies, selected public programs and individual public projects considering the full range of efficiency and equity effects. Direct and indirect impacts of policy, strength of implicit incentives, administrative feasibility, and problems of policy implementation.
Recommended: ECON 311 and ECON 435

**ECON 540. ECONOMICS OF GLOBALIZATION. (4 Credits)**
Examination of the phenomenon of globalization using economic analysis to explore controversial themes of the globalization debate—offshoring, sweatshops, child labor, environmental standards, intellectual property protection, cultural diversity, economic development, immigration, and governance.
Recommended: ECON 311

**ECON 541. INTERNATIONAL FINANCE THEORY AND POLICY. (4 Credits)**
Theories and policies of exchange rate regimes; fixed, floating and managed floats; internal and external trade and capital balances; international capital flows and institutions.
Recommended: ECON 315

**ECON 555. ECONOMIC DEVELOPMENT. (4 Credits)**
History, theories and policies for economic development in the Third World of underdeveloped countries.
Recommended: (ECON 201 or ECON 201H) and (ECON 202 or ECON 202H)

**ECON 560. INDUSTRIAL ORGANIZATION THEORY AND POLICY. (4 Credits)**
The study of the causes of market structure, the behavior of firms in game theoretic settings, and the welfare implications of competitive and imperfectly competitive markets; United States antitrust and other laws regulating business behavior.
Recommended: ECON 311 or ECON 411

**ECON 561. LAW, ECONOMICS, AND REGULATION. (4 Credits)**
The analysis of the effectiveness of laws and government regulations in fostering economic efficiency and fairness. Topics include the design of laws and policies to promote social welfare and the study of the effectiveness of criminal law, antitrust law, and the government regulation of business in promoting social goals.
Recommended: ECON 201 or ECON 201H

**ECON 562. MANAGERIAL ECONOMICS. (4 Credits)**
The application of microeconomic theory and quantitative methods to management decisions. Case-oriented course emphasizing actual business decisions.
Recommended: ECON 311 or ECON 411

**ECON 563. EFFICIENCY AND PRODUCTIVITY ANALYSIS. (4 Credits)**
Workshop on the theory and measurement of performance, especially efficiency and productivity. Emphasis on application including introduction to user-friendly software.
Recommended: ECON 311 or ECON 411

**ECON 566. ECONOMICS OF TRADITIONAL AND RENEWABLE ENERGY. (4 Credits)**
Reviews and analyzes the economics and structure of world markets for various traditional energy (e.g., oil, coal, natural gas), as well as renewable energy (wind, geothermal and solar) with the latter focusing on the Pacific Northwest electrical industry structure and regulatory framework.
Recommended: ECON 201 or ECON 201H

**ECON 570. MACROECONOMIC THEORY I. (4 Credits)**
Introduction to dynamic macroeconomic theory, including a review of Keynesian models, continuous and discrete time programming, Solow, Ramsey, and endogenous growth models, and real business cycle theory.
Recommended: ECON 315 or equivalent.

**ECON 580. LABOR ECONOMICS AND SOCIAL POLICY. (4 Credits)**
Interaction of workers and firms in labor markets, social policy and its effects on labor markets, human capital theory and education policy, discrimination and other sources of wage differentials; immigration, unemployment, inequality.
Recommended: ECON 311 or ECON 411 or Microeconomics such as ECON 517

**ECON 601. RESEARCH AND SCHOLARSHIP. (1-16 Credits)**
This course is repeatable for 16 credits.

**ECON 602. INDEPENDENT STUDY. (1-16 Credits)**
This course is repeatable for 16 credits.

**ECON 603. THESIS. (1-16 Credits)**
This course is repeatable for 999 credits.

**ECON 605. READING AND CONFERENCE. (1-16 Credits)**
This course is repeatable for 16 credits.

**ECON 606. PROJECTS. (1-16 Credits)**
This course is repeatable for 16 credits.

**ECON 607. SEMINAR. (1-16 Credits)**
This course is repeatable for 16 credits.

**ECON 610. INTERNSHIP. (1-16 Credits)**
This course is repeatable for 16 credits.