Economics (ECON)

Courses

ECON A101 Principles of Microeconomics 3 Credits
Presents the tools and concepts needed for analysis of economic decision-making at the level of the individual (consumer, firm, government), and explores how these decisions affect market outcomes. Explores the theory of prices and markets, industrial organization, public policy, income distribution, and contemporary problems of labor and business.

Registration Restrictions: Minimum one year of high school algebra
Attributes: UAA Social Sciences GER.

ECON A102 Principles of Macroeconomics 3 Credits
Theoretical approach to determination of the national income level and economic activity including coverage of the history of macroeconomic theory with special emphasis on economic growth, inflation, business cycles, international finance, and monetary and fiscal policy.

Registration Restrictions: Minimum one year of high school algebra required.
Attributes: UAA Social Sciences GER.

ECON A120 Introduction to Economic Analysis 3 Credits
Introduces the fundamentals of economic analysis and reasoning and provides tools to analyze the behavior of individuals, firms, communities and government under conditions of unlimited wants and scarce resources.

Attributes: UAA Social Sciences GER.

ECON A123 Introduction to Behavioral Economics 3 Credits
Introduces economics, incorporating insights from psychology. Develops and applies research finding implications to topics that include personal finance, health, happiness, and the design of public policies.

Attributes: UAA Social Sciences GER.

ECON A210 Environmental Economics and Policy 3 Credits
Surveys environmental policy emphasizing market-oriented approaches to problems. Covers key environmental concepts, including externalities, cost-benefit analysis, and non-market valuation tools in application to Alaska and global environmental and natural resource issues.

Prerequisites: MATH A105 with a minimum grade of C or MATH A121 with a minimum grade of C or MATH A151 with a minimum grade of C or MATH A221 with a minimum grade of C or MATH A251 with a minimum grade of C or MATH A252 with a minimum grade of C.
Attributes: UAA Social Sciences GER.

ECON A227 Introductory Statistics for Economics and Business 3 Credits
Introduces statistical theory and methods with an emphasis on economics and business applications. Includes descriptive statistics, probability and probability distribution, statistical inference and regression modeling.

Special Note: Students may apply no more than 3 credits from either ECON A227 or STAT A200 toward graduation requirements for a baccalaureate degree.

Prerequisites: CIS A110 with a minimum grade of C and (MATH A121 with a minimum grade of C or MATH A151 with a minimum grade of C or MATH A152 with a minimum grade of C or MATH A221 with a minimum grade of C or MATH A251 with a minimum grade of C).

ECON A290 Special Topics in Economics 3 Credits
Study of specific current issues, techniques, and trends in economics.

Special Note: May be repeated with a change of subtitle/topic. Maximum of 9 elective credits may be used for the BA and BBA Economics degrees. Check class listing for specific titles being offered.

ECON A300 The Economy of Alaska 3 Credits
An overview of the economy of Alaska, including approaches for economic analysis of regional economies, the structure of the Alaska economy, trends in major Alaska industries, and important Alaska economic policy issues.

Registration Restrictions: Recommended for students with junior or senior standing.

ECON A310 Energy Economics 3 Credits
Covers economic theory, empirical analysis, and the political economy of energy production, distribution, and end use. Discusses and analyzes regional and global markets for fossil fuels, electricity, nuclear power, and renewable energy sources. Examines energy institutions and public policies such as taxation, efficiency standards, and environmental regulation.

Prerequisites: ((ECON A101 with a minimum grade of C and ECON A102 with a minimum grade of C) or ECON A210 with a minimum grade of C) and (MATH A105 with a minimum grade of C or MATH A121 with a minimum grade of C or MATH A151 with a minimum grade of C or MATH A152 with a minimum grade of C or MATH A155 with a minimum grade of C or MATH A221 with a minimum grade of C or MATH A251 with a minimum grade of C or MATH A252 with a minimum grade of C).

ECON A312 Econometrics for Business and Economics 3 Credits
Introduces basic concepts in regression analysis and econometric methods. Applies methods to naturally-occurring and experimental data. Emphasizes applications through use of econometrics software and personal computers.

Registration Restrictions: Familiarity with personal computers and basic software applications. Keyboarding of at least 30 wpm recommended.

Prerequisites: (ECON A227 with a minimum grade of C or STAT A307 with a minimum grade of C or STAT A308 with a minimum grade of C) and (ECON A101 with a minimum grade of C or ECON A102 with a minimum grade of C).
ECON A102
Prerequisites: ECON A101 and ECON A102.

ECON A227
Prerequisites: ECON A101 and ECON A102.

ECON A321 Intermediate Microeconomics 3 Credits
Analysis of demand and supply under various market structures, consumer and producer theory, factor pricing and theory of distribution, and survey of welfare economics.
Prerequisites: ECON A101 with a minimum grade of C and ECON A102 with a minimum grade of C and (MATH A221 with a minimum grade of C or MATH A251 with a minimum grade of C).

ECON A324 Intermediate Macroeconomics 3 Credits
Prerequisites: ECON A101 and ECON A102.

ECON A325 History of Economic Thought 3 Credits
Economic thought from Aristotle to the present, mercantilism, classical and neoclassical theory, institutional economics, and socialism are examined.
Prerequisites: ECON A101 and ECON A102.

ECON A329 Economic and Business Forecasting 3 Credits
Focuses on the business forecasting methodologies used in today's various industries. Introduces students to basic managerial statistical techniques as well as business forecasting methods and models that are useful for preparing economic and business forecasts and long-term planning.
Prerequisites: ECON A227 with a minimum grade of C or STAT A307 with a minimum grade of C or STAT A308 with a minimum grade of C.

ECON A333 Experimental Economics 3 Credits
Applies experimental methods to study behavior in economics. Covers topics of public good provision, common pool resources, bargaining, fairness and reciprocity, markets and auctions, mechanism design, and policy analysis.
Prerequisites: ECON A101 with a minimum grade of C.

ECON A337 Development Economics 3 Credits
Explores economic approaches to the challenge of development. Examines the role of physical and human capital, technology, institutions, geography, and natural resources as sources of growth. Discusses empirical methods used to measure the effects of development policy. Explores key microeconomic features of rural development, including health, education, and financial markets.
Prerequisites: ECON A101 with a minimum grade of C and ECON A102 with a minimum grade of C.

ECON A341 Labor Economics 3 Credits
Analyzes theoretical and empirical aspects of wage and employment determination. Topics include labor supply, labor demand, human capital investments and education, compensating wage differentials, income inequality, inter-generational income mobility, discrimination, immigration, and unemployment.
Prerequisites: ECON A101 with a minimum grade of C and ECON A102 with a minimum grade of C.

ECON A350 Money and Banking 3 Credits
Examines how financial markets and financial institutions affect the macroeconomic state of the economy, how money is created, the role of central banks in financial regulation, and the implementation of monetary policy.
Prerequisites: ECON A101 with a minimum grade of C and ECON A102 with a minimum grade of C.

ECON A351 Public Finance 3 Credits
Introduces government taxation, borrowing and spending. Examines economic effects of taxation and influence of fiscal policy on economic activity.
Prerequisites: ECON A102 with a minimum grade of C.

ECON A360 Modern Economic History 3 Credits
Examines the role of geography, institutions, technology, and trade in the evolution of the modern economy. Emphasizes the long-run economic performance of Europe and the US. Also covers historic differences between the West and other parts of the world.
Prerequisites: HIST A102 with a minimum grade of C and ECON A201 with a minimum grade of C.

ECON A363 International Economics 3 Credits
Studies the pure theory of international trade, including theories of comparative advantage, international monetary theory, and trade policy. Examines international institutions and their role and importance in world trade. Examines the role of free trade agreements and common currency areas.
Prerequisites: ECON A101 with a minimum grade of C and ECON A102 with a minimum grade of C.

ECON A390 Special Topics in Economics 3 Credits
Study of specific current issues, techniques, and trends in economics. Special Note: May be repeated with a change of subtitle/topic. Maximum of 9 elective credits may be used for the BA and BBA Economics degrees. Check class listing for specific titles being offered.
Prerequisites: ECON A101 with a minimum grade of C and ECON A102 with a minimum grade of C.

ECON A435 Natural Resource Economics 3 Credits
Analyzes natural resource use, conservation and management. Particular topics covered in this course include: resource management models (for renewable and exhaustible resources), externalities in production, pollution, and the complex relationship between natural resources and development. Applications to public policy will be abundant. An emphasis on economic modeling (using both graphs and equations) and data analysis will be stressed.
Prerequisites: ECON A321 with a minimum grade of C.
ECON A445 Methods for Public Policy Evaluation 3 Credits
Introduces students to the fundamentals of causality and causal inference, empirical techniques for estimating program impacts, methods for identifying parameters of policy interest, and integration of evaluation findings into policy decision making. Evaluates policy using a set of tools designed to assess whether a public program has achieved its intended results.

Prerequisites: ECON A312 with a minimum grade of C or concurrent enrollment or STAT A308 with a minimum grade of C or concurrent enrollment.

ECON A454 Economics Internship 3 Credits
Work experience in an approved position with supervision and training in applied economics or economic research.

Registration Restrictions: Junior standing as an economics major and permission of ECON faculty internship coordinator.

ECON A456 Behavioral Economics 3 Credits
Expands on traditional microeconomics by attending to the psychological realism of assumptions and the process of choice. Examines the robustness of heuristics and biases that lead to bounds on human rationality and explores how they can affect well-being for good and for ill. Covers topics that include self-control, social norms and preferences, and risk and uncertainty. Explores applications relating to consumer and firm behavior, finance and investing, and public policy.

Special Note: Graduate students can substitute ECON A602 for the prerequisites. Not available for credit to students who have completed ECON A656.

May Be Stacked With: ECON A656

Prerequisites: ECON A101 with a minimum grade of C and ECON A102 with a minimum grade of C.

ECON A459 Industrial Organization and Public Policy 3 Credits
Analyzes different market structures. Additional topics include antitrust and other government regulation; public policy issues in regulated industries, such as transportation, communications, electricity, and gas; and the economic and legal issues and problems arising from noncompetitive market conditions.

Prerequisites: ECON A321 with a minimum grade of C.

ECON A492 Seminar in Economic Research 3 Credits
Requires integration of principles, theories, and methods learned in courses taken throughout the economics major/program. Students analyze, synthesize, and critically evaluate and apply knowledge of economics in a research project. Formal written and oral presentations of the research are required.

Registration Restrictions: Completion of GER Tier 1 (basic college-level skills) courses and senior standing.

Prerequisites: ECON A321 with a minimum grade of C and ECON A324 with a minimum grade of C and (ECON A312 with a minimum grade of C or ECON A429 with a minimum grade of C).

Attributes: UAA Integrative Capstone GER.

ECON A602 Introduction to Economics for Managers 3 Credits
Introduces economic theory and issues for private and public sector managers. Topics include national income and business cycle analysis, money and banking, and the role of government, theory of prices and markets, and international economics.

Registration Restrictions: Graduate standing.

ECON A625 Economics and Public Policy 3 Credits
Applies economic analysis to public policy issues and tools for public management. Uses economics to explain public problems and provide solutions.

Registration Restrictions: Bachelor's degree required.

Prerequisites: ECON A101 and ECON A102.

ECON A640 Economics of Transportation 3 Credits
Economic aspects of the transportation industry with special emphasis on problems of regulation and public policy.

Registration Restrictions: Faculty permission.

ECON A656 Behavioral Economics 3 Credits
Expands on traditional microeconomics by attending to the psychological realism of assumptions and the process of choice. Examines the robustness of heuristics and biases that lead to bounds on human rationality and explores how they can affect well-being for good and for ill. Topics include self-control, social norms and preferences, and risk and uncertainty. Explores applications relating to consumer and firm behavior, finance and investing, and public policy.

Special Note: Not available for credit to students who have completed ECON A456. Requires research of a selected topic in behavioral economics.

Registration Restrictions: Graduate standing

May Be Stacked With: ECON A456

Prerequisites: ECON A602 with a minimum grade of C.