

# Economics (ECON)

## College of Business and Security Management

Business Administration Program (<https://www.uaf.edu/cbsm/programs/business-administration.php>)  
907-474-7461

### ECON F101X Principles of Microeconomics

3 Credits

Offered Fall, Spring and Summer

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

**Attributes:** UAF Degree Social Sciences Req, UAF GER Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ECON F102X Principles of Macroeconomics

3 Credits

Offered Fall, Spring and Summer

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.

**Attributes:** UAF Degree Social Sciences Req, UAF GER Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ECON F111X The Economy of Rural Alaska

3 Credits

Offered Fall and Spring

Examine the significance of Alaska Native economies and their role in the modern Alaska economy. To include the challenges facing rural communities, and the role of social and cultural capital. Economic indicators which incorporate Alaska Native health, education, food, energy and resource security, and economic opportunity are evaluated also.

**Attributes:** UAF Alaska Native Theme, UAF GER Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ECON F120X Introduction to Economic Analysis

3 Credits

Offered As Demand Warrants

This course will introduce you to the fundamentals of economic analysis and reasoning and provide you the tools to analyze the behavior of individuals, firms, communities and government under conditions of unlimited wants and scarce resources.

**Prerequisites:** Placement in WRTG F111X.

**Attributes:** UAF Degree Social Sciences Req, UAF GER Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ECON F227 Introductory Statistics for Economics and Business

3 Credits

Offered Fall, Spring and Summer

Introduces statistical theory and methods with an emphasis on economics and business applications. Includes descriptive statistics, probability and probability distribution, statistical inference and regression modelling.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ECON F235X Introduction to Natural Resource Economics

3 Credits

Offered Fall

Microeconomic principles and their application to natural resource issues. Topics include supply, demand, marginality, optimality, elementary production economics, economic rent and comparative advantage. These principles applied to agency budget allocation decisions, multiple use, resource valuation, conservation, market failure and public outdoor recreation problems.

**Attributes:** UAF Degree Social Sciences Req, UAF GER Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ECON F321 Intermediate Microeconomics

3 Credits

Offered Fall and Spring

Analysis of demand and supply under various market forms, cost and theory of production, factor pricing and theory of distribution and survey of welfare economics.

**Prerequisites:** ECON F101X; ECON F102X; MATH F122X or equivalent.

**Attributes:** UAF Degree Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ECON F322 Managerial Economics

3 Credits

Offered As Demand Warrants

Interpretation of economic data and applications of economic theory in business firms. Bridging the gap between theory and practice through empirical studies, cases and decision problems. Emphasis upon decision-making using analysis of research data.

**Prerequisites:** ECON F101X; ECON F102X; MATH F122X or MATH F230X or equivalent.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ECON F324 Intermediate Macroeconomics

3 Credits

Offered As Demand Warrants

This is a one-semester undergraduate-level course in intermediate macroeconomics. We will study the concepts and measurement of income, analysis of aggregate demand and supply and their relation to the level of prices, employment and economic growth.

**Prerequisites:** ECON F101X; ECON F102X; MATH F122X or equivalent.

**Attributes:** UAF Degree Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### ECON F327 Intermediate Econometrics for Forecasting and Business

3 Credits

Offered As Demand Warrants

Extension of topics discussed in ECON F227. Understanding the fundamental theory underlying regression methods and learning how to appropriately apply these techniques in the analysis of economic and business problems. Simple and multiple regression and correlation, analysis of variance, forecasting techniques, quality control, nonparametric methods and decision theory.

**Prerequisites:** STAT F200X or ECON F227.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F335 Intermediate Natural Resource Economics**

3 Credits

Offered Spring

Topics include welfare economics and economic efficiency concepts, benefit/cost analysis, resource allocation over time, resource taxation, common property problems, externalities, public goods, valuation of non-market resources and land use planning issues.

**Prerequisites:** COM F121X, COM F131X or COM F141X; ECON F101X; ECON F102X or ECON F235X; MATH F122X, MATH F230X or equivalent.

**Attributes:** UAF Degree Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F350 Money and Banking**

3 Credits

Offered As Demand Warrants

The liquid wealth system in the United States, including the commercial banking system, the Federal Reserve System and nonbank financial institutions; the regulation of money and credit and its impact on macroeconomic policy objectives.

**Prerequisites:** ECON F101X; ECON F102X.

**Attributes:** UAF Degree Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F351 Public Finance**

3 Credits

Offered As Demand Warrants

Economic justifications for government; federal, state and local government, taxation, spending and debt; their effects on allocation, distribution, stabilization and growth.

**Prerequisites:** ECON F101X; ECON F102X; MATH F122X or equivalent.

**Attributes:** UAF Degree Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F409 Industrial Organization and Public Policy**

3 Credits

Offered As Demand Warrants

The relationship of market structure to the economic conduct and performance of firms and industries, the determinants, measurement and classification of market structure, public policy toward mergers, industrial and aggregate concentration.

**Prerequisites:** ECON F101X; ECON F102X; WRTG F111X; WRTG F211X, WRTG F212X, WRTG F213X or WRTG F214X; MATH F122X, MATH F230X or equivalent; upper division standing.

**Attributes:** UAF Degree Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F420 Labor Markets and Public Policy**

3 Credits

Offered As Demand Warrants

Application of labor market analysis and wage theory as they relate to public policy issues. Topics include determination of wages, taxation and employment, economic impact of unions, economics of discrimination, and issues relating to women's and minorities' changing roles in the labor market.

**Prerequisites:** ECON F101X; ECON F102X; WRTG F111X; WRTG F211X, WRTG F212X, WRTG F213X or WRTG F214X.

**Attributes:** UAF Degree Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F434 Environmental Economics**

3 Credits

Offered As Demand Warrants

An extension of concepts introduced in ECON F235X, using a higher level of economic analysis. An analysis of the economic forces involved in environmental degradation, preservation and regulation. Topics include pollution, biodiversity, wilderness and climatic change.

**Prerequisites:** ECON F101X and ECON F102X or ECON F235X; MATH F122X; WRTG F111X; WRTG F211X, WRTG F212X, WRTG F213X or WRTG F214X.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F439 Energy Economics**

3 Credits

Offered As Demand Warrants

Market forces and institutions affecting the allocation of energy resources. Special attention to intertemporal allocative decisions and the role that public policy plays in influencing the rate at which energy resources are used over time.

**Prerequisites:** ECON F101X and ECON F102X or ECON F235X; WRTG F111X; WRTG F211X, WRTG F212X, WRTG F213X or WRTG F214X.

**Stacked with** ECON F639.

**Attributes:** UAF Degree Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F451 Public Expenditure Analysis**

3 Credits

Offered As Demand Warrants

Purposes and economic effects of governmental expenditures, budgeting techniques, and their effects on resource allocation.

**Prerequisites:** ECON F101X; ECON F102X; WRTG F111X; WRTG F211X, WRTG F212X, WRTG F213X or WRTG F214X; MATH F122X, MATH F230X or equivalent.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F463 International Economics**

3 Credits

Offered As Demand Warrants

Pure theory of international trade: comparative cost, terms of trade, and factor movements. International disequilibrium: balance of payments and its impact on national economy, capital movement and economic development through international trade.

**Prerequisites:** ECON F101X; ECON F102X; WRTG F111X; WRTG F211X, WRTG F212X, WRTG F213X or WRTG F214X; MATH F122X, MATH F230X or equivalent.

**Attributes:** UAF Degree Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F613 Resilience Internship**

2 Credits

Offered As Demand Warrants

Students of the Resilience and Adaptation Program participate in internships to broaden their interdisciplinary training, develop new research tools and build expertise outside their home disciplines. Internships are for eight to ten weeks of full time commitment and take place during the student's first summer in the program. In autumn students meet to discuss their internship experiences and make public presentations.

**Prerequisites:** ANTH F667, BIOL F667, ECON F667 or NRM F667; ANTH F668, BIOL F668, ECON F668 or NRM F668.

**Cross-listed with** ANTH F617; BIOL F613; NRM F613.

**Lecture + Lab + Other:** 2 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F616 Economics Background for Resilience and Adaptation**

1 Credit

Offered As Demand Warrants

Provides the economics background that is necessary for understanding the role of economics in complex systems involving interactions among biological, economic, and social processes. Designed for incoming students of the Resilience and Adaptation Program (RAP), who have not received training in ecology.

**Prerequisites:** Graduate student enrollment.

**Lecture + Lab + Other:** 1 + 0 + 0

**Grading System:** Pass/Fail Grades

**ECON F637 Evolution of Conservation Concepts and Policy**

3 Credits

Offered As Demand Warrants

Resource policy issues development and implementation including forestry, mining, fisheries, oil, wildlife and other topics as demand warrants. Focus on policy issues involved in management of Alaska's resources.

**Prerequisites:** Graduate standing.

**Cross-listed with** NRM F637.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F639 Energy Economics**

3 Credits

Offered As Demand Warrants

Market forces and institutions affecting the allocation of energy resources. Special attention to intertemporal allocative decisions and the role that public policy plays in influencing the rate at which energy resources are used over time.

**Prerequisites:** ECON F101X and ECON F102X or ECON F235X; graduate standing.

**Stacked with** ECON F439.

**Attributes:** UAF Degree Social Sciences Req

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F647 Sustainability in the Changing North**

3 Credits

Offered Fall

Explores the basic principles of sustainability of environmental and social systems. Principles are applied across a range of scales from local communities to the globe, with an emphasis on examples in Alaska and the Arctic. Specific attention to the theory and practice of boundary spanning and knowledge coproduction.

**Prerequisites:** Graduate standing.

**Cross-listed with** ANTH F647; BIOL F647; NRM F647.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F649 Integrated Assessment and Adaptive Management**

3 Credits

Offered As Demand Warrants

An interdisciplinary exploration of the theoretical and practical considerations of integrated assessment and adaptive management. Students survey concepts important in understanding societal and professional-level decision-making. Students work as individuals and as a team to undertake case studies with relevance to integrated assessment and adaptive management.

**Prerequisites:** Graduate student standing in a natural science, social science or interdisciplinary program at UAF or another university.

**Recommended:** ANTH F647, BIOL F647, ECON F647, NRM F647; ANTH F667, BIOL F667, ECON F667, NRM F667.

**Cross-listed with** ANTH F649; BIOL F649; NRM F649.

**Special Notes:** In case of enrollment limit, priority will be given to graduate students in the Resilience and Adaptation Program in order for them to be able to meet their core requirements.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**ECON F667 Resilience Seminar I**

1 Credit

Offered As Demand Warrants

Provides a forum for new students of the Resilience and Adaptation graduate program to explore issues of interdisciplinary research that are relevant to sustainability. A considerable portion of the seminar is student-directed, with students assuming leadership in planning seminar activities with the instructor.

**Prerequisites:** Enrolled in Resilience and Adaptation Graduate Program.

**Recommended:** ANTH F647, BIOL F647, ECON F647 or NRM F647 (taken concurrently).

**Cross-listed with** ANTH F667; BIOL F667; NRM F667.

**Lecture + Lab + Other:** 2 + 0 + 0

**Grading System:** Pass/Fail Grades

**ECON F668 Interdisciplinary Research Methods-Resilience Seminar II**

1 Credit

Offered As Demand Warrants

Provides a forum for new students of the Resilience and Adaptation graduate program to explore issues of interdisciplinary research relevant to sustainability. The seminar provides support to each student planning his/her summer internship and preparing and presenting a thesis research prospectus.

**Prerequisites:** ANTH F647, BIOL F647, ECON F647 or NRM F647; ANTH F667, BIOL F667, ECON F667 or NRM F667.

**Cross-listed with** ANTH F668; BIOL F668; NRM F668.

**Lecture + Lab + Other:** 2 + 0 + 0

**Grading System:** Pass/Fail Grades

**ECON F692 Seminar**

1-12 Credits

Offered As Demand Warrants

**Lecture + Lab + Other:** 0 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**Repeatable for Credit:** May be taken unlimited times for up to 98 credits

**ECON F698 Non-thesis Research/Project**

1-9 Credits

Offered As Demand Warrants

**Lecture + Lab + Other:** 0 + 0 + 0

**Grading System:** Pass/Fail Grades

**Repeatable for Credit:** May be taken unlimited times for up to 99 credits

**ECON F699 Thesis**

1-9 Credits

Offered As Demand Warrants

**Lecture + Lab + Other:** 0 + 0 + 0

**Grading System:** Pass/Fail Grades

**Repeatable for Credit:** May be taken unlimited times for up to 99 credits