

Economics			
Course name	Class name	Description	
COEC	475	The Economics and Policy of the Environment, Energy, and Natural Resources	Economic analysis of environmental problems, energy systems, and natural resources. Policy options to help resolve these issues. Credit will be granted for only one of COEC 475, COMM 487, or ECON 371.
COMM	306	Urban Land Economics	Examines economic factors affecting the urban land market, with an emphasis on determinants of urban land values, the housing market, urban transportation, and land use policies.
ECON	101	Principles of Microeconomics	Elements of theory and of Canadian policy and institutions concerning the economics of markets and market behaviour, prices and costs, exchange and trade, competition and monopoly, distribution of income.
ECON	102	Principles of Macroeconomics	Elements of theory and of Canadian policy and institutions concerning the economics growth and business cycles, national income accounting, interest and exchange rates, money and banking, the balance of trade.
ECON	221	Introduction to Strategic Thinking	An introduction to how people interact in strategic situations drawn from political science, history, psychology, law, biology, military history, economics, business, and anthropology. The focus will be on developing intuition. May not be taken for credit by students with fourth-year standing. Credit will be granted for only one of ECON 221 or ISCI 344.
ECON	226	Making Sense of Economic Data	Formulation of a testable hypothesis, identification of relevant data, use of appropriate statistical tools. May not be taken for credit by students with fourth-year standing in ECON or COMM. Not available for credit to students already having credit for either of ECON 325 or ECON 326 (or equivalent).
ECON	234	Wealth and Poverty of Nations	Historical approaches to long-run economic growth; international comparisons of income growth and inequality; colonialism; evolution of world capital markets; human migrations; rise of world trading empires; instability in the international economy. Credit will be granted for only one of ECON 234 and former ECON 334 (6). May not be taken for credit by students with fourth-year standing.
ECON	255	Understanding Globalization	Social and economic implications for both rich and poor countries of lowered barriers to the international flows of information, capital, labour and goods. May not be taken for credit by students with fourth-year standing.
ECON	301	Intermediate Microeconomic Analysis I	Consumer behaviour, producer theory, exchange, monopoly, oligopoly, externalities, public goods, general equilibrium and welfare economics. Credit will be granted for only one of ECON 201, ECON 301, or ECON 304.
ECON	302	Intermediate Macroeconomic Analysis I	Income and employment theory, monetary theory, the open economy, economic fluctuations and growth. Credit may be obtained for only one of ECON 302, ECON 305.
ECON	303	Intermediate Microeconomics II	Risk and uncertainty, some concepts in game theory, adverse selection, moral hazard, bargaining, auctions. Credit will be granted for only one of ECON 303 or ECON 306.
ECON	304	Honours Intermediate Microeconomic Analysis I	Consumer behaviour, producer theory, exchange, monopoly, oligopoly, externalities, public goods, general equilibrium and welfare economics. Credit will be granted for only one of ECON 204, ECON 301, ECON 304, ECON 315, COMM 295 or FRE 295.
ECON	305	Honours Intermediate Macroeconomic Analysis I	Income and employment theory, monetary theory, the open economy, economic fluctuations and growth. Credit will be granted for only one of ECON 302, ECON 305, or ECON 309.
ECON	306	Honours Intermediate Microeconomics II	Risk and uncertainty, some concepts in game theory, adverse selection, moral hazard, bargaining, auctions. Credit will be granted for only one of ECON 303 or ECON 306.
ECON	307	Honours Intermediate Macroeconomics II	Theories of economic growth and the business cycle. Intended primarily for prospective honours and other qualified students.
ECON	309	Intermediate Open Economy Macroeconomics	The aggregate economy with emphasis on macroeconomic policy and international economic growth, money and inflation, unemployment, business cycles, and macroeconomic stabilization policy under fixed and flexible exchange rates. Registration restricted to students in the Bachelor of International Economics Program. Credit will be granted for only one of ECON 302, ECON 305 or ECON 309.
ECON	310	Principles of Microeconomics	The scope of this course is approximately the same as that of ECON101. The course is intended for upper-level students only. Credit will be granted for only one of ECON 310 or ECON 101.
ECON	311	Principles of Macroeconomics	The scope of this course is approximately the same as that of ECON 102. The course is intended for upper-level students only. Credit will be granted for only one of ECON 311 or ECON 102.
ECON	315	Intermediate Microeconomics I	Consumer behaviour, producer theory, exchange, monopoly, oligopoly, externalities, public goods, general equilibrium and welfare economics. Registration restricted to students in the Bachelor of International Economics Program. Credit will be granted for only one of ECON 315 and ECON 204, ECON 301, ECON 304, ECON 308, COMM 295, FRE 295.

ECON	316	Intermediate Microeconomics II	Advanced topics in intermediate microeconomics: risk and uncertainty, some concepts in game theory, adverse selection, moral hazard, bargaining, auctions. Registration restricted to students in the Bachelor of International Economics Program. Credit will be granted for only one of ECON 316, ECON 303, or ECON 308.
ECON	317	Poverty and Inequality	Economic inequality in Canada and other countries; measurement and causes. Inequality in the distribution of wealth; redistribution of income and wealth; notions of distributive justice.
ECON	318	History and Philosophy of Economics from Aristotle to Adam Smith	The development of economic thought from Aristotle to Adam Smith, focusing on the conceptual foundations of economics, particularly the problems of value, distribution, and economic growth.
ECON	323	Quantitative Economic Modelling with Data Science Applications	Computational tools used in modern economics. Including application of data science in economics; visualization and manipulation of economic data; solving and simulating dynamic economic models.
ECON	325	Introduction to Empirical Economics	Essentials of probability and statistics for applied work in economics. Topics include descriptive statistics, probability, estimation, hypothesis testing, and analysis of variance. Please consult the Faculty of Science Credit Exclusion List: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,215,410,414
ECON	326	Methods of Empirical Research in Economics	Techniques of empirical economic research. Topics include simple and multiple regression, time series analysis, and simultaneous equation estimation. Students will be required to undertake applied work. Please consult the Faculty of Science Credit Exclusion List: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,215,410,414 .
ECON	327	Introduction to Empirical Methods	Basic tools for the statistical analysis of economic data. Registration restricted to students in the Bachelor of International Economics Program. Credit will be granted for only one of ECON 325, ECON 327, or STAT 200; please consult the Faculty of Science Credit Exclusion List: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,215,410,414 .
ECON	328	Methods of Empirical Research	Empirical tools used in applied research, with emphasis on the linear regression model. Registration restricted to students in the Bachelor of International Economics program. Credit will be granted for only one of ECON 326, ECON 328, or STAT 306; please consult the Faculty of Science Credit Exclusion List: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,215,410,414 .
ECON	334	Economic History of Modern Europe	Background, causes and effects of economic change in Europe from the 18th century to recent times. Evolution of social and economic institutions; analysis of growth, structural change, the distribution of income, and the spread of industrialization
ECON	335	Fertility, Families and Human Migration	Traditional fertility and mortality patterns, demographic transition, catastrophes, well-being and nutrition, international and internal migration, epidemics and growth spurts.
ECON	336	Economic History of Canada	The growth of the Canadian economy in relation to development of natural resources, changing markets, industrialism, communications, and technology.
ECON	339	Economics of Technological Change	Application of economic analysis to technological change; the impact of technological change on the growth and distribution of income; economic influences on the invention and diffusion of technology; the interaction between technology, work, skills, and education; public policy toward technological change.
ECON	345	Money and Banking	Financial markets and financial institutions in theory and practice; structure and development of the Canadian financial system; development and theory of the regulation of the financial system; process of monetary control; theory and history of central banking and monetary policy.
ECON	350	Public Finance Policy Topics	Examination of two or three selected policy problems from areas of taxation, income security, and public expenditures. Topics to be selected each year from areas of current or recent policy debate. Examples include public pension policy, privatization and public services, income tax or sales tax reform, federal-provincial cost sharing programs, tax incentives versus direct expenditures, welfare reform
ECON	351	Women in the Economy	Economic analysis of markets and policies particularly affecting women. Selected topics drawn from economic discrimination; educational, occupational, and work choices; pay and employment equity; allocation of work time and consumption within the household and in the market; economics of marriage and fertility; poverty; taxation; income security and pension policies; and historical perspectives.
ECON	355	Introduction to International Trade	The determinants of trade patterns, trade policy, tariff and non-tariff barriers to trade, political economy of protectionism, bilateral and multilateral trade disputes, trade liberalization, trade and development. Credit may be obtained for only one of ECON 355 and 455.
ECON	356	Introduction to International Finance	Exchange rate policy regimes; international financial organizations; the interaction between monetary policy and exchange rate regimes; financial crises.
ECON	367	Economic Analysis of Law	The economics of market failure, equity and efficiency. Property rights, the economics of accident and contract law, economic theories of law enforcement.

ECON	370	Benefit-Cost Analysis and the Economics of Project Evaluation	Techniques and problems in benefit-cost analysis of public projects. Examination of alternative approaches to public decision-making such as cost-effectiveness analysis and multiple-objective frameworks. Case studies of projects in the areas of natural resources, the environment, human resources, public services, and transportation.
ECON	371	Environmental Economics	Economic analysis applied to various environmental issues, including sustainable development, quality of life, and environmental impacts of specific industrial and consumption activities. The design and implementation of government policies. Global environmental effects of human economic activity.
ECON	374	Land Economics	Economic analysis applied to problems of land use. Rent theory. Land valuation. Land conservation. Techniques for assessing economic efficiency of land use. Effects of institutions and public policies on land use.
ECON	384	Economic Analysis of Health Services	Microeconomic theory of resource allocation with emphasis on the applications of optimizing models of health service markets. Analysis of Canadian problems in health service supply. Models of the consumer/patient, the physician/entrepreneur, the not-for-profit hospital/firm, and the third-party regulatory and payment agency.
ECON	390	Introduction to Economic Research	Selected topics in economic research. Application of research methods to economic data. Credit will be granted for only one of ECON 390, ECON 490, ECON 495, or ECON 499.
ECON	398	Introduction to Applied Economics	Theory and practice of the analytical application of economics. Causality, empirical analysis, and the application of theoretical models through engagement in applied work.
ECON	421	Introduction to Game Theory and Applications.	Principles of rational behaviour in strategic situations and various notions of equilibrium useful in predicting outcomes. Applications from economics, business, politics, law and biology.
ECON	425	Introduction to Econometrics	Theoretical and applied issues in statistics and econometrics. Statistical distributions, sampling theory, maximum likelihood methods of estimation and hypothesis testing, generalized least squares, measurement errors, non-normal errors, systems of equations, discrete-choice models, outliers, regression diagnostics, and model selection.
ECON	441	The Process of Economic Development	Industrialization of an agrarian economy; how the West grew rich; history of Japanese development; technical progress and growth; evolution of the patterns of income distribution; role of international trade in development; environment and development.
ECON	442	Issues in Economic Development	Divergence in the world economy, poverty, consequences of initial inequality, institutions, the impact of history, recent developmental experience--some case studies, labour and credit markets, the trickle down process.
ECON	451	Economics of Public Expenditures	The role of government in the economy; efficiency and economic justice. Theory of public goods; applications to topics such as education, medical care and social services. Pricing and investment rules for public enterprises.
ECON	455	International Trade	International trade theory and policy in general equilibrium; relative costs, factor proportions, imperfect competition and the pattern of trade; efficiency and distribution. Credit granted for only one of ECON355 and ECON455.
ECON	456	International Macroeconomics and Finance	Balance of payments; market for foreign exchange; mechanism for adjusting the balance of payments; internal vs. external stability; current problems and issues.
ECON	457	Seminar in International Economic Relations	Selected topics focusing upon various issues arising in international economic relations. Open only to fourth-year students in the Major program in International Relations.
ECON	460	Economics of Labour Markets	The theory of labour supply and demand for individuals, households, and firms. Policy implications for Canadian taxation and benefit programs. Employee selection, hiring and promotion. Credit may not be obtained for both ECON 360 and 460.
ECON	465	Market Structure	Market structure and social welfare, theory of price discrimination, equilibrium in oligopolistic markets, entry and exit decisions, product differentiation and spatial models, theories of hierarchical organization, agency problem in the modern corporation, vertical integration and control, market structure and technical progress.
ECON	471	Economics of Nonrenewable Resources	Application of economic analysis to the management of nonrenewable natural resources. Emphasis is placed on the economics of alternative energy sources. Other topics include mineral economics, criteria for the optimal use of resources, and measurement of resources.
ECON	472	Economics of Renewable Resources	Application of economic analysis to the management of renewable resources. Special attention is given to criteria for the optimal use of depleting resources such as forests and water. Other topics include public policy with regard to environmental quality, conservation, and outdoor recreation.
ECON	485	Political Economy	State and politics in economics. How states emerge, how dictators stay in power. Why groups engage in costly conflict, how countries turn into democracies and what its benefits are.
ECON	364A	The Economics of Sustainable Development: Communities, Markets and Technology - COMM, MRKTS, TEC	Applied research and seminars on topics of concern to economists and communities located both locally and internationally. Environmental sustainability, sustainable livelihoods, development effectiveness, institutions, agency, ethics, and well-being. Theoretical approaches, case studies, and community-based learning.

FRE	295	Managerial Economics	Economic foundations of managerial decision-making. Organization of the firm, demand theory, cost and production, market structure, competitive strategy, welfare-economic foundations of business regulation. Credit may be obtained for only one of ECON 201, ECON 206, FRE 295, COMM 295.
FRE	302	Small Business Management in Agri-food Industries	Emphasizes the building of a business plan by exploring topics such as the planning process and financing, marketing and human resource concepts, as applied to an agri-food business, domestically and internationally.
FRE	306	Introduction to Global Food Markets	An overview of global food markets including recent trends (e.g., vertical coordination, strategic alliances, multinationals and small firms in niche markets), marketing and trade institutions such as state-trading enterprises and WTO regulations, issues specific to developing nations, and case studies.
FRE	340	International Agricultural Development	Characteristics, processes and sources of economic growth, role of agricultural and resource sectors in economic growth, analysis of output and input markets in those sectors, policy failures, tools for empirical analysis of rural markets, growth, and the environment.
FRE	374	Land and Resource Economics	Willingness to pay, opportunity costs, externalities, and market failures in natural resource markets; dynamic efficiency; economic applications including mineral, marine, forest, land, water, and biodiversity.
FRE	385	Quantitative Methods for Business and Resource Management	Spreadsheet modeling and analysis of business and resource management problems: decision analysis, forecasting, linear programming, simulation modeling, and inventory management.
FRE	420	Trade and Domestic Policy in Global Food Markets	Food policy-making process in Canada and other countries, application of analytical tools to domestic and trade policies, market power and domestic policy distortions, major policies and instruments in Canadian agriculture and resource sectors.
FRE	460	Economics of Food Consumption	Microeconomics of consumer decisions and public policy in food contexts; foodborne illness; economic causes and consequences of obesity; sin taxes and prohibitions; information campaigns and advertising; labeling; food waste and ethics.
FRE	474	Causal Inference in the Economics of Natural Resource Conservation	Estimating causal relationships in natural resource economics; applied data analysis; econometrics; counterfactual thinking, and applications to the economics of: natural resource conservation, species loss and extraction, protected areas, international trade of wildlife products, and endangered species legislation.
FRE	490	Current Issues in Food and Resource Economics	Description not available
FRST	318	Forest and Conservation Economics	Practical problem solving of economic issues related to forestry and conservation, touching on investment analysis, capital budgeting, non-timber economics, ecosystem services, and forest certification. Completion of FRST 232 or intermediate knowledge of MS Excel essential.
MATH	200	Calculus III	Analytic geometry in 2 and 3 dimensions, partial and directional derivatives, chain rule, maxima and minima, second derivative test, Lagrange multipliers, multiple integrals with applications.
SOCI	440	Economic Sociology	Analysis of economic actions and institutions using the concepts and methods of sociology.
STATS	545	DATA ANALYSIS I	Exploratory Data Analysis - DATA ANALYSIS I