

# ECONOMICS (ECON)

## ECON 1010 Introduction to Microeconomic Principles 3 cr

This course introduces students to the study of microeconomics. Topics include: demand and supply, price determination, market structure and resource allocation; the behaviour of consumers and firms; and market intervention by government. Selected economic topics are examined such as: welfare programs, environmental regulation, the economics of discrimination, pay equity, and taxation. Students may not hold credit for ECON 1010 and any of: ECON 1011 or ECON 1210 or ECON 1211 or ECON 1220 or ECON 1221 or the former ECON 1200 or the former ECON 1201.

**Equiv To:** ECON 1011

**Mutually Exclusive:** ECON 1200, ECON 1201, ECON 1210, ECON 1211, ECON 1220, ECON 1221

**Attributes:** Social Science, Recommended Intro Courses

## ECON 1020 Introduction to Macroeconomic Principles 3 cr

This course introduces students to the study of macroeconomics. Topics include: aggregate performance and policy; the determinants of national income, employment and the price level, the role of monetary and fiscal policies in stabilizing the economy and promoting economic growth. Students may not hold credit for ECON 1020 and any of: ECON 1021 or ECON 1210 or ECON 1211 or ECON 1220 or ECON 1221 or the former ECON 1200 or the former ECON 1201.

**Equiv To:** ECON 1021

**Mutually Exclusive:** ECON 1200, ECON 1201, ECON 1210, ECON 1211, ECON 1220, ECON 1221

**Attributes:** Social Science, Recommended Intro Courses

## ECON 1210 Introduction to Canadian Economic Issues and Policies 3 cr

A survey of some major principles underlying, and influences acting upon the Canadian economy and its regions. Students may not hold credit for ECON 1210 and any of: ECON 1211 or ECON 1010 or ECON 1011 or ECON 1020 or ECON 1021 or the former ECON 1200 or the former ECON 1201.

**Equiv To:** ECON 1211

**Mutually Exclusive:** ECON 1010, ECON 1011, ECON 1020, ECON 1021, ECON 1200, ECON 1201

**Attributes:** Social Science, Recommended Intro Courses

## ECON 1220 Introduction to Global and Environmental Economic Issues and Policies 3 cr

A survey of some major principles and policies characterizing the world economy and the environment. Students may not hold credit for ECON 1220 and any of: ECON 1221 or ECON 1010 or ECON 1011 or ECON 1020 or ECON 1021 or the former ECON 1200 or the former ECON 1201.

**Equiv To:** ECON 1221

**Mutually Exclusive:** ECON 1010, ECON 1011, ECON 1020, ECON 1021, ECON 1200, ECON 1201

**Attributes:** Social Science, Recommended Intro Courses

## ECON 2010 Microeconomic Theory 1 3 cr

This course builds on ECON 1010 to examine in greater detail microeconomic concepts of supply, demand, and industry structure. The course also includes the study of externalities, public goods, information asymmetries, and risk and uncertainty. Students may not hold credit for ECON 2010 and any of: ECON 2451, the former ECON 2450, or the former ECON 2700.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [ECON 1010 or ECON 1011 or the former ECON 1200 or the former ECON 1201] or [ECON 1210 (or ECON 1211) and ECON 1220 (or ECON 1221)].

**Equiv To:** ECON 2450, ECON 2451, ECON 2700

**Attributes:** Social Science

## ECON 2020 Macroeconomic Theory 1 3 cr

A study of classical macroeconomic models of the determination of economic aggregates such as national income, consumption, investment, government spending, exports, imports, and economy-wide variables such as the interest rate, the foreign exchange rate, the price level and inflation, and the unemployment rate. The influence of fiscal and monetary policies on the aggregate economy is examined. Students may not hold credit for ECON 2020 and any of: ECON 2471, the former ECON 2470, or the former ECON 2800.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [ECON 1020 or ECON 1021 or the former ECON 1200 or the former ECON 1201] or [ECON 1210 (or ECON 1211) and ECON 1220 (or ECON 1221)].

**Equiv To:** ECON 2470, ECON 2471, ECON 2800

**Attributes:** Social Science

## ECON 2030 Mathematical Economics 1 3 cr

Introduction to mathematical methods used in economic analysis including differentiation, matrix algebra, comparative statics, and optimization. May not be held with the former ECON 2530.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: [six credit hours of 1000 level Economics] and [one of MATH 1230, MATH 1500, MATH 1501, MATH 1524, MATH 1525, or the former MATH 1520].

**Equiv To:** ECON 2530

**Attributes:** Social Science

## ECON 2040 Quantitative Methods in Economics 3 cr

An introduction to statistical methods relevant to Economics, which include: descriptive statistics; probability and probability distributions; hypothesis testing; and ordinary least squares regression. The use of contemporary econometric software is required. Students may not hold credit for both ECON 2040 and the former ECON 3170.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: six credit hours of 1000 level Economics.

**Equiv To:** ECON 3170

**Attributes:** Mathematics Requirement, Social Science

**ECON 2050 Economic Analytics Using Computer-based Methods 3 cr**

This computer-based course will introduce basic economic analytics such as index numbers, cost-revenue-profit relationships, demand/supply dynamics, decision-making using probability models, investment decisions, time-value of money, seasonal adjustment of data, forecasting, measures of poverty/inequality, and optimization methods such as linear programming. Students will also gain proficiency in numerical computation such as Excel, an important analytical tool used in business, government, and academic research for managing and analyzing data. Students may not hold credit for both ECON 2050 and the former ECON 2610 when titled "Measurement and Computation in Economics."

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: six credit hours of 1000 level Economics.

**Mutually Exclusive:** ECON 2610

**Attributes:** Social Science

**ECON 2310 Canadian Economic Problems 6 cr**

Application of economic theory to a broad range of problems such as agriculture, trade, foreign ownership, regional disparities, competition policy, education. Students may not hold credit for both ECON 2310 and ECON 2311.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: six credit hours of 1000 level Economics.

**Equiv To:** ECON 2311

**Attributes:** Social Science

**ECON 2350 Community Economic Development 3 cr**

A study of the economic development problems of northern and Indigenous communities in Manitoba. Students may not hold credit for ECON 2350 and any of: INDG 3120 or the former NATV 3120 or the former NATV 4310.

**Mutually Exclusive:** INDG 3120, NATV 3120, NATV 4310

**Attributes:** Social Science

**ECON 2362 Economics of Gender 3 cr**

This course will use both neo-classical and feminist economic theory to explore how gender differences may lead to different economic outcomes for men and women, both within families and in the marketplace. Topics covered may include gender aspects of production (both inside and outside the household), leisure, marriage and divorce, fertility, childcare, education, migration, aging and development. Students may not hold credit for both ECON 2362 and the former ECON 2360.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 1010 or ECON 1011 or ECON 1210 or ECON 1211 or the former ECON 1200 or the former ECON 1201.

**Mutually Exclusive:** ECON 2360

**Attributes:** Social Science

**ECON 2390 Introduction to Environmental Economics 3 cr**

The economics of management of water, air and land resource quality, and the economics of conservation. The economic implications of environmental standards, licensing, criteria and pollution charges will be illustrated by current issues. Students may not hold credit for both ECON 2390 and ABIZ 2390.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [ECON 1010 or ECON 1011 or the former ECON 1200 or the former ECON 1201] or [ECON 1210 (or ECON 1211) and ECON 1220 (or ECON 1221)].

**Equiv To:** ABIZ 2390

**Attributes:** Social Science

**ECON 2400 Introduction to Energy Economics 3 cr**

A study of the economic relationships in energy production, consumption, demand and supply, pricing and conservation, energy policy and the development of new and renewable energy sources.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: six credit hours of 1000 level Economics.

**Attributes:** Social Science

**ECON 2410 The Manitoba Economy 3 cr**

Application of economic theory to the historical development and present structure of the provincial economy.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: none.

**Attributes:** Social Science

**ECON 2510 The Economy of Ukraine 3 cr**

A study of the Ukrainian economy in Eastern Europe: socioeconomic history, state and structure of the Ukrainian economy within the former Soviet Union, prospects and problems of economic restructuring.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: none.

**Attributes:** Social Science

**ECON 2520 Economics of Sports and Leisure 3 cr**

Economic analysis of current issues in professional and amateur sports, and leisure.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: none.

**Attributes:** Social Science

**ECON 2540 Political Economy 1: Production and Distribution 3 cr**

A study of the theories, institutions, policies and relations of power in national and global economic society with reference to the production of market and non-market goods and services and the distribution of necessary and surplus output. Particular attention will be given to the role of the state in the regulation of markets and the distribution of surplus.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: six credit hours of 1000 level Economics.

**Attributes:** Social Science

**ECON 2550 Political Economy 2: Economic Growth and Fluctuations in a Global Economic Environment 3 cr**

A study of the theories, institutions, policies and relations of power in national and global economic society with reference to economic growth, international trade and finance, economic fluctuations, inflation and unemployment. Particular attention will be given to the role of the state in the regulations of macroeconomic activity.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: six credit hours of 1000 level Economics.

**Attributes:** Social Science

**ECON 2610 Special Topics in Economics 3 cr**

This course will vary from year to year depending on the needs of students and the interests and availability of instructors. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [six credit hours of 1000 level Economics] or written consent of instructor.

**Mutually Exclusive:** ECON 2050, ECON 2670

**Attributes:** Social Science

**ECON 2620 Special Topics in Economics 6 cr**

This course will vary from year to year depending on the needs of students and the interests and availability of instructors. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [six credit hours of 1000 level Economics] or written consent of instructor.

**Attributes:** Social Science

**ECON 2630 An Introduction to the World's Economies 6 cr**

An examination of the world's economies from a broad-based economics perspective (including economic theories, institutional perspectives and historical evidence) to explain the development and limits of the world's changing and differing economies, and economic growth patterns in the light of the private business sector, labour relations and the role of the state. Students may not hold credit for both ECON 2630 and ECON 2620 Special Topics in Economics when titled Introduction to the World's Economies.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: six credit hours of 1000 level Economics.

**Attributes:** Social Science

**ECON 2670 Income Distribution 3 cr**

An introduction to how income, and its accumulation as wealth, is distributed between individuals, as well as between classes of economic actors. Measures of income inequality, wealth and poverty are introduced. Empirical data and theories aimed at explaining the distribution of income and broad trends that have emerged over time are reviewed. Redistributive policies undertaken by governments and various normative approaches to the economic analysis of income inequality are also examined, with an emphasis on modern policy options and challenges. Students may not hold credit for both ECON 2670 and ECON 2610 when offered with the topic "Income Distribution".

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [six credit hours of 1000 level Economics] or written consent of instructor.

**Mutually Exclusive:** ECON 2610

**Attributes:** Social Science

**ECON 3010 Microeconomic Theory 2 3 cr**

This course uses basic calculus and optimization techniques to study consumer and firm behaviour, demand and supply theory, monopoly, monopolistic competition, oligopoly, and the Edgeworth Box analysis of an exchange economy. Students may not hold credit for ECON 3010 and any of: ECON 2461, the former ECON 2460, or the former ECON 3700.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [ECON 2010 (C+) or ECON 2451 (C+) or the former ECON 2450 or the former ECON 2700] and [MATH 1230 or MATH 1500 or MATH 1501 or MATH 1520].

**Equiv To:** ECON 2460, ECON 2461, ECON 3700

**Attributes:** Social Science

**ECON 3020 Macroeconomic Theory 2 3 cr**

Theories of national income, employment, inflation, balance of payments, stabilization policy, and economic growth within the framework of macroeconomic models of an open economy with particular attention to empirical evidence from Canada, the U.S., and other countries. This course requires the use of calculus. Students may not hold credit for ECON 3020 and any of: ECON 2481, the former ECON 2480, or the former ECON 3800.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [ECON 2020 (C+) or ECON 2471 (C+) or the former ECON 2470 or the former ECON 2800] and [MATH 1230 or MATH 1500 or MATH 1501 or MATH 1520].

**Equiv To:** ECON 2480, ECON 2481, ECON 3800

**Attributes:** Social Science

**ECON 3030 Mathematical Economics 2 3 cr**

Mathematical methods used in economic analysis. Topics will include optimization with constraints, exponential and logarithmic functions, integrals, dynamic analysis, basic differential equations, and Hamiltonians. Students may not hold credit for both ECON 3030 and the former ECON 3730.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [ECON 2030 or the former ECON 2530] or written consent of instructor.

**Equiv To:** ECON 3730

**Attributes:** Social Science

**ECON 3040 Introduction to Econometrics 3 cr**

This course builds on ECON 2040 by introducing: multivariate ordinary least squares regression using matrices; heteroscedasticity; and autocorrelation. Additional topics may include: instrumental variables; binary choice models; and panel data models. Students may not hold credit for ECON 3040 and either ABIZ 3080 or the former ECON 3180.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [ECON 2040 (C+) or the former ECON 3170 (C+)] or [six credit hours of 1000 level Economics and STAT 2000 or STAT 2001].

**Equiv To:** ABIZ 3080, ECON 3180

**Attributes:** Social Science

**ECON 3160 Managerial Economics 3 cr**

An introduction to the economic foundations of managerial decision making, which includes pricing strategies, boundaries of the firm, investment in human capital, and incentive contract design. Also offered by Management as GMGT 3160. May not be held with GMGT 3160.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [ECON 1010 (or ECON 1011) and ECON 1020 (or ECON 1021), or the former ECON 1200, or the former ECON 1201] and [MATH 1230 or MATH 1500 (or MATH 1501) or MATH 1510 or MATH 1520].

**Equiv To:** GMGT 3160

**Attributes:** Social Science

**ECON 3362 Labour Economics 1 3 cr**

An introduction to labour economics, including labour supply, labour demand and the determination of wages and employment. Students may not hold credit for both ECON 3362 and the former ECON 3360.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 2010 or ECON 2451 or the former ECON 2450 or the former ECON 2700.

**Mutually Exclusive:** ECON 3360

**Attributes:** Social Science

**ECON 3364 Labour Economics 2 3 cr**

Analysis of topics in labour economics such as unemployment, immigration, gender discrimination and the impact of unions. Students may not hold credit for both ECON 3364 and the former ECON 3360.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 3362.

**Mutually Exclusive:** ECON 3360

**Attributes:** Social Science

**ECON 3374 Public Expenditure Analysis and Policy Evaluation 3 cr**

The study of the role of government in the economy, government budget and expenditure evaluation issues, benefit-cost analysis, as well as government intervention regulation, public pricing, and ownership issues. Students may not hold credit for both ECON 3374 and the former ECON 3370.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 2010 or ECON 2451 or the former ECON 2450 or the former ECON 2700.

**Mutually Exclusive:** ECON 3370

**Attributes:** Social Science

**ECON 3376 Taxation, Tax Policy and Inter-governmental Public Finance Issues 3 cr**

A study of the principles of taxation, tax policy in Canada and elsewhere, government deficit and debt issues and fiscal federalism with emphasis on inter-governmental finance issues. Students may not hold credit for both ECON 3376 and the former ECON 3370.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: in ECON 2010 or ECON 2451 or the former ECON 2450 or the former ECON 2700.

**Mutually Exclusive:** ECON 3370

**Attributes:** Social Science

**ECON 3392 An Introduction to Development Economics 3 cr**

The definition and major challenges of development and an introduction to theories of growth and development. Students may not hold credit for both ECON 3392 and the former ECON 3390.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [ECON 2010 or ECON 2451 or the former ECON 2450 or the former ECON 2700] and [ECON 2020 or ECON 2471 or the former ECON 2470 or the former ECON 2800] or written consent of instructor.

**Mutually Exclusive:** ECON 3390

**Attributes:** Social Science

**ECON 3394 Development Economics: Problems and Policies 3 cr**

Processes and problems of development policies to accelerate change. Economic relations between developed and developing regions. May not be held with the former ECON 3390 or ECON 4432.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: [one of ECON 2010, ECON 2451, the former ECON 2450, or the former ECON 2700] and [one of ECON 2020, ECON 2471, the former ECON 2470, or the former ECON 2800] and [ECON 3392 or ECON 2630] or written consent of instructor.

**Mutually Exclusive:** ECON 3390, ECON 4432

**Attributes:** Social Science

**ECON 3610 Special Studies 3 cr**

This reading course will vary from year to year depending on the needs of students and the interests of instructors. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: written consent of instructor.

**Mutually Exclusive:** ECON 3820

**Attributes:** Social Science

**ECON 3620 Special Studies 6 cr**

This reading course will vary from year to year depending on the needs of students and the interests of instructors. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: written consent of instructor.

**Attributes:** Social Science

**ECON 3640 Economics of the Financial System 3 cr**

Flows of funds through the financial system; savings and investment and asset choices of households and firms; intermediation by financial institutions; arbitrage between and within countries, government financial policy, with special reference to Canada. Students may not hold credit for ECON 3640 and any of: ECON 3641 or FIN 3460.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 2010 or ECON 2451 or ECON 3010 or ECON 2461 or the former ECON 2450 or the former ECON 2460 or the former ECON 2700 or the former ECON 3700.

**Equiv To:** ECON 3641

**Mutually Exclusive:** FIN 3460

**Attributes:** Social Science

**ECON 3650 Monetary Macroeconomics and Policy 3 cr**

Demand for and supply of money; term structure of interest rates; tools of central banking; design and conduct of monetary policy. Students may not hold credit for both ECON 3650 and ECON 3651.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 2020 or ECON 2471 or ECON 3020 or ECON 2481 or the former ECON 2470 or the former ECON 2480 or the former ECON 2800 or the former ECON 3800.

**Equiv To:** ECON 3651

**Attributes:** Social Science

**ECON 3670 International Trade 3 cr**

A study of the theory of international trade and modern trade issues including the effect of economic integration on growth, distribution, national policy and the environment.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 2010 or ECON 2451 or the former ECON 2450 or the former ECON 2700. ECON 3010 or ECON 2461 or the former ECON 2460 is recommended.

**Attributes:** Social Science

**ECON 3680 International Finance 3 cr**

A study of the theory of international financial markets and issues in open economy macroeconomics focusing on the balance of payments, exchange rates and the effects of international financial integration on national economies.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 2020 or ECON 2471 or the former ECON 2470 or the former ECON 2800. ECON 3020 or ECON 2481 or the former ECON 2480 is recommended.

**Attributes:** Social Science

**ECON 3690 Economic Issues of Health Policy 3 cr**

The structure, functioning and financing of the Canadian health care delivery system and the demand for health care in Canada.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: six credit hours of 1000 level Economics.

**Attributes:** Social Science

**ECON 3692 Economic Determinants of Health 3 cr**

The objective of this course is to provide an economics perspective on the epidemiological transition from infectious to chronic disease. This course will contrast the biomedical, consumer choice and political economy approaches and their policy implications.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 1010 or ECON 1011 or ECON 1210 or ECON 1211 or the former ECON 1200 or the former ECON 1201.

**Attributes:** Social Science

**ECON 3710 Sustainable Development: Issues and Policy 3 cr**

An examination of the theory and practice of economic sustainability, ecological sustainability, and social sustainability, with emphasis on analysing current issues and designing policies to achieve sustainable development.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: six credit hours of 1000 level Economics.

**Attributes:** Social Science

**ECON 3720 Urban and Regional Economics and Policies 3 cr**

An introduction to the study of the determinants of the spatial distribution of economic activity among urban centres and regions. Particular attention will be paid to such contemporary Canadian problems as regional disparities, urban and environmental decay, and urban renewal, and the policy issues involved in dealing with these problems.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 2010 or ECON 2451 or the former ECON 2450 or the former ECON 2700.

**Attributes:** Social Science

**ECON 3742 Industrial Organization and Firm Strategy 3 cr**

Market structure and firms' strategic decisions will be analyzed. Topics may cover monopoly pricing strategies such as price discrimination; non-pricing strategies such as advertising, quality decisions and differentiated products; dynamic oligopoly models; mergers; anti-competitive behaviour; and auctions. This course assumes students have a sound background in economic theory, as well as single-variable calculus and basic statistics. Students may not hold credit for both ECON 3742 and the former ECON 3740.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [ECON 2010 or ECON 2451 or the former ECON 2450 or the former ECON 2700] or written consent of instructor.

**Mutually Exclusive:** ECON 3740

**Attributes:** Social Science

**ECON 3810 Alternative Approaches to Macroeconomic Analysis 3 cr**

A survey of Post-Keynesian, Cambridge, Marxian, and institutionalist approaches to macroeconomic fluctuations, contrasting their theoretical and policy frameworks with those of mainstream macroeconomics.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 2020 (C+) or ECON 2471 (C+) or the former ECON 2470 or the former ECON 2800.

**Attributes:** Social Science

**ECON 3820 Marxian Political Economy 3 cr**

Concerning itself primarily with Marxian political economy (or Marx's critique of political economy), this course will examine how Marxian thought has described capitalism. The course begins by examining the political, epistemological, and philosophical origins of Marxian thought, and then following Marx's analysis of capitalism along the contours of the first volume of Capital. Expanding from there, the course explores consequences of capitalism and the ways that Marxian theory has been critiqued and expanded to understand contemporary problematics, as well as to theorize alternative ways of organizing material production, distribution, and consumption. May not be held with ECON 3610 when titled "Marxian Political Economy."

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: 6 credit hours of 1000 level Economics or written consent of instructor.

**Mutually Exclusive:** ECON 3610

**Attributes:** Social Science

**ECON 4010 Advanced Microeconomic Theory 3 cr**

An intensive study of advanced microeconomic analysis using optimization techniques involving multivariate calculus. Topics will include consumer theory, producer theory, general equilibrium, intertemporal choice, risk and insurance markets, and asymmetric information (moral hazard and adverse selection).

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: ECON 2030 and a grade of "B" or better in one of: ECON 2461 or ECON 3010 or the former ECON 2460 or the former ECON 3700.

**Attributes:** Social Science

**ECON 4012 Topics in Advanced Microeconomic Theory 3 cr**

An intensive review of selected topics in advanced microeconomic theory. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 3010 (B) or ECON 2461 (B) or the former ECON 2460 or the former ECON 3700.

**Attributes:** Social Science

**ECON 4020 Topics in Advanced Macroeconomic Theory 3 cr**

An intensive review of selected topics in advanced macroeconomic theory. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: ECON 2030 and a grade of "B" or better in one of: ECON 2481 or ECON 3020 or the former ECON 2480 or the former ECON 3800.

**Attributes:** Social Science

**ECON 4040 Seminar in Applied Econometrics 3 cr**

An applied course with a research component that incorporates real-world data and contemporary econometric software with an emphasis on the application of econometrics to a range of microeconomic and macroeconomic problems. Topics may include: endogeneity; instrumental variables; generalized method of moments; generalized least squares; limited dependent variable models; univariate and multivariate time series models; and panel data models. Students may not hold credit for ECON 4040 and any of: ABIZ 4120 or the former ECON 4120.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 3040 (C+) or the former ECON 3180.

**Equiv To:** ABIZ 4120, ECON 4120

**Attributes:** Social Science

**ECON 4042 Topics in Econometrics 3 cr**

This is a theoretical course that addresses more advanced econometric topics with the intent of preparing students for graduate-level studies in econometrics. Standard topics will be examined in more depth. Students may not hold credit for both ECON 4042 and the former ECON 4130.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 3040 (C+) or the former ECON 3180.

**Equiv To:** ECON 4130

**Attributes:** Social Science

**ECON 4050 History of Economic Thought 1 3 cr**

A seminar course on the history of economic thought up to 1870.

Attention is given to the evolution and significance of major theoretical concepts and approaches, the people who developed them and the attendant social, intellectual and economic context. Students may not hold credit for both ECON 4050 and the former ECON 4410.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: written consent of instructor.

**Mutually Exclusive:** ECON 4410

**Attributes:** Social Science

**ECON 4052 History of Economic Thought 2 3 cr**

A seminar course on the history of economic thought since 1870.

Attention is given to the evolution and significance of major theoretical concepts and approaches, the people who developed them, and the attendant social, intellectual and economic context. Students may not hold credit for both ECON 4052 and the former ECON 4410.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 4050.

**Mutually Exclusive:** ECON 4410

**Attributes:** Social Science

**ECON 4140 Evaluation of Economic Policy and Programs 3 cr**

This is a course in applied micro-economic policy analysis using the techniques of cost-benefit analysis as its foundation. Students will learn the welfare foundations of cost-benefit analysis, techniques for decision-making under conditions of risk and uncertainty, and how these techniques may be applied to public policy. The course will include examples from all areas of public policy, including health, education, social services, criminal justice, etc.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: ECON 3010 and ECON 3040 or written consent of instructor

**Attributes:** Social Science

**ECON 4432 The Challenges of Economic Development 3 cr**

Students will be introduced to some of the main challenges facing developing countries, their effort to achieve economic development, and various approaches to those challenges. May not be held with ECON 3394 or the former ECON 4430.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: [one of ECON 2010, ECON 2451, the former ECON 2450, or the former ECON 2700] and [one of ECON 2020, ECON 2471, the former ECON 2470, or the former ECON 2800] and [ECON 2630 (B) or ECON 3392 (B)] or written consent of instructor.

**Mutually Exclusive:** ECON 3394, ECON 4430

**Attributes:** Social Science

**ECON 4434 Emerging Issues in Economic Development 3 cr**

Introduction and examination of salient topics in Development Economics. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ECON 3394 (B) or ECON 4432 (C+) or written consent of instructor.

**Attributes:** Social Science

**ECON 4490 Special Studies 3 cr**

This readings course will vary from year to year depending on the needs of students and the interests of instructors. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: written consent of instructor.

**Attributes:** Social Science

**ECON 4500 Special Studies 6 cr**

This readings course will vary from year to year depending on the needs of students and interests of instructors. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: written consent of instructor.

**Attributes:** Social Science

**ECON 4610 Economics and Society Field Placement Seminar 3 cr**

A seminar to be taken concurrently with ECON 4620 in which each student will relate theory and practice. This course is also offered as GPE 4510 and LABR 4510. Students may not hold credit for ECON 4610 and either GPE 4510 or LABR 4510. Intended for students in the Economics Single Advanced Major (Economics and Society Stream) or Honours (Economics and Society Stream).

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: written consent of the Associate Head (Economics and Society Stream). Corequisite: ECON 4620.

**Equiv To:** GPE 4510, LABR 4510

**Attributes:** Social Science

**ECON 4620 Economics and Society Field Placement 6 cr**

An educationally directed field experience in which the student will undertake specific tasks and assignments in some aspects of Community Economic Development and/or economic policy. Field placement options include community-based organizations, government departments and agencies, policy and research organizations, unions, and other employers. This course is also offered as GPE 4520 and LABR 4520. Students may not hold credit for ECON 4620 and either GPE 4520 or LABR 4520. Intended for students in the Economics Single Advanced Major (Economics and Society Stream) or Honours (Economics and Society Stream).

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: written consent of the Associate Head (Economics and Society Stream). Corequisite: ECON 4610.

**Equiv To:** GPE 4520, LABR 4520

**Attributes:** Social Science

**ECON 4820 Workshop on Canadian Economic Policy 6 cr**

In depth examination of policy issues on selected topics such as unemployment, inflation, international trade, transfer payments, health care, the environment. A major research paper will be expected of all students. Registration is restricted to students who have formally declared an Advanced Major in Economics or Honours Economics.

Students may not hold credit for ECON 4820 and any of: ECON 4822 or the former ECON 4830.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [ECON 2040 (or the former ECON 3170) and ECON 3040 (or the former ECON 3180)] and [ECON 2010 (or ECON 2451 or the former ECON 2450 or the former ECON 2700) and [ECON 3010 (or ECON 2461 or the former ECON 2460 or the former ECON 3700)] and [ECON 2020 (or ECON 2471 or the former ECON 2470 or the former ECON 2800)] and [ECON 3020 (or ECON 2481 or the former ECON 2480 or the former ECON 3800)].

**Equiv To:** ECON 4830

**Attributes:** Social Science

**ECON 4822 Economic Research and Communication 6 cr**

This is the capstone course for students in their final year of the B.A. (Advanced Major) in Economics. The aim of this course is to develop some of the research, analytical, and writing skills that will allow students to utilize knowledge and quantitative skills acquired in previous economics courses. May not be held with ECON 4820 or the former ECON 4830. Registration is restricted to students who have formally declared an Advanced Majors in Economics or Honours Economics.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: [ECON 3040 (or the former ECON 3180)] and [ECON 3010 (or ECON 2461 or the former ECON 2460 or the former ECON 3700)] and [ECON 3020 (or ECON 2481 or the former ECON 2480 or the former ECON 3800)] and [completion of 90 credit hours at the time of registration or written consent of Instructor or department head].

**Equiv To:** ECON 4820, ECON 4830

**Attributes:** Social Science