DOCTORATE IN PHILOSOPHY ECONOMICS

The Department of Economics offers a Master of arts and a PhD in Economics. The Master of arts program includes a co-op option and the PhD program is offered jointly with Carleton University.

The programs are governed by the general regulations (http://www.grad.uottawa.ca/Default.aspx?tabid=1807) in effect for graduate studies of the University of Ottawa. The joint doctoral program is governed by the regulations and procedures for Joint Graduate Programs and the general regulations of the graduate faculty at each of the two universities.

Ottawa-Carleton Joint Doctoral Program in Economics

The joint doctoral program is offered by the departments of economics at the University of Ottawa and Carleton University.

The program encompasses course requirements – a core of theory and applied economics subjects – complemented by workshops to encourage the cross-fertilization of ideas in one field with those in others, comprehensive examinations and a thesis.

The PhD program offers specialization for intensive study and thesis research in:

- Public Economics
- Industrial Organization
- Monetary Economics
- International Economics
- Economic Development
- Economics and the Environment
- Econometrics
- Labour Economics

Administration

Further information about the Joint doctoral program in Economics is available from the Director of Doctoral Studies in economics at either University:

Department of Economics
Faculty of Social Sciences
University of Ottawa
Social Sciences Building
120, University, Room 9005
Ottawa ON K1N 6N5
CANADA

or

Department of Economics
Carleton University
1125 Colonel By Drive
Ottawa ON K1S 5B6
CANADA

Admission Requirements

For the most accurate and up to date information on application deadlines, language tests and other admission requirements, please visit the specific requirements (https://www.uottawa.ca/graduate-studies/programs-admission/apply/specific-requirements) webpage.

Application Deadline

To find the application deadline, please check the "program-specific requirements" under Application Procedures and Information at the following address: Apply now (http://www.grad.uottawa.ca/default.aspx?tabid=1624&utm_source=grad.uottawa.ca&utm_medium=Redirect&utm_campaign=).

Students who have achieved at least an average of "B+" (75%) at the MA or equivalent level are admissible to the PhD program. Six terms of full-time enrollment are required.

Note that the admission to the PhD program is based on a competitive process and that a "B+" average does not guarantee admission.

Language of Instruction

The vast majority of PhD courses are taught in English, but students may write and defend their thesis in English or French. According to university regulations, students can write their papers and exams in the official language of their choice (either English or French).

Language Requirements

Proficiency in the English language is required for entry into the doctoral program.

Applicants whose first language is neither English nor French, or who have not graduated from a French-speaking or an English-speaking university, must provide proof of proficiency in one or the other.

Fast-Track from Master's to Doctoral program

Students who achieve outstanding academic performance and demonstrate high promise for advanced research during the master’s program may, with the permission of the Graduate Studies Committee, transfer into the PhD program without completing the MA, provided they have completed ECO 6120 (ECON 5020), ECO 6122 (ECON 5021), and ECO 5185 (ECON 5027) with an average of "A" or higher. Such students must take a total of at least eleven regular courses (MA and PhD levels combined) and do not receive an MA degree. However, students who transfer but do not complete the PhD can receive an MA by fulfilling all the requirements of the MA program. Please note that the minimal admission average requirements for the doctoral program must also be met.

The request for permission to transfer must be made during the second term of enrollment of earlier. The student must enroll in the PhD in the third or, at the latest, in the fourth term.

Program Requirements

All courses are equivalent to three units at the University of Ottawa except workshops and PhD tutorials, which are equivalent to six units.

Compulsory Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ECO 7119</td>
<td>Mathematical Foundations for Economic Theory</td>
<td>3 Units</td>
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**Thesis and Workshops**

In preparing the thesis, the student is required to give two workshops:

- **ECO 7002 Workshop**: 6 Units
- **ECO 7004 Workshop**: 6 Units

**Field Courses**

Two three-unit courses in each of the student’s two fields of specialization:

- **Industrial Organization**
  - **ECO 6135** Topics in Industrial Organization
  - **ECO 6140** Industrial Organization I
  - **ECO 6142** Industrial Organization II

- **Public Economics**
  - **ECO 6130** Public Economics: Expenditure
  - **ECO 6131** Public Economics: Taxation
  - **ECO 6133** Topics in the Theory of Public Economy

- **International Economics**
  - **ECO 6160** International Trade: Theory and Policy
  - **ECO 6161** International Monetary Theory and Policy
  - **ECO 6162** Topics in International Economics

- **Monetary Economics**
  - **ECO 6180** Foundations of Monetary Economics
  - **ECO 6181** Topics in Monetary Economics
  - **ECO 6183** Exploration in Monetary Economics

- **Economic Development**
  - **ECO 6170** Theory of Economic Development
  - **ECO 6171** Economic Development: Domestic Aspects
  - **ECO 6172** Economic Development: International Aspects

- **Economics of the Environment**
  - **ECO 6134** Topics in Environmental and Resource Economics
  - **ECO 6143** Economics of Natural Resources
  - **ECO 6151** Economics of the Environment

- **Econometrics**
  - **ECO 6175** Micro-Econometrics
  - **ECO 6176** Time-Series Econometrics

- **Labour Economics**
  - **ECO 6191** Labour Economics I
  - **ECO 6192** Labour Economics II
  - **ECO 6193** Advanced Topics in Labour Economics

**Comprehensive Examinations (Theory):**

- **ECO 7990** PhD Comprehensive Exam in Microeconomics 0 Unit
- **ECO 7991** PhD Comprehensive Exam in Macroeconomics 0 Unit

**Comprehensive Examinations (Fields):**

- **ECO 9990** Field Exam I 0 Unit

**Thesis:**

**Note(s)**

1. The two theory examinations are to be successfully completed within twelve months of beginning full-time study. The examining committee may ask the candidate to take an oral examination following the written examination. A student who fails on the first attempt can take the exam once more. A second failure leads to mandatory withdrawal from the program.

2. Students choose two fields: a primary field and a secondary field. Students will be required to take a comprehensive examination in the primary field (ECO 9990). This examination must be successfully completed within two years of beginning full-time study. A student who fails on the first attempt can take the exam once more. In the event of a second failure, the student must choose another primary field.

3. Successful completion of each workshop is a requirement for graduation. Students must have completed the courses ECO 7922, ECO 7923, ECO 7126, the four field courses, as well as the comprehensive examinations (ECO 7990, ECO 7991 and ECO 9990) before enrolling for the workshops.

4. A research proposal for the thesis will be presented for evaluation by faculty members.

5. A substantial portion of the research for the thesis will have been completed and will be presented and evaluated as above.

**Duration of the Program**

The requirements of the program are usually fulfilled within four years. The maximum time permitted is five years from the date of initial enrollment in the program, or seven years in the case of the students transferring from the master’s to the doctorate.

**Minimum Standards**

The passing grade in all courses is B. Students who fail two courses, the thesis proposal, the comprehensive exam, the thesis, or whose progress is deemed unsatisfactory must withdraw from the program. Failing a field comprehensive exam twice counts as failing a course.

**Thesis Advisory Committee**

During the first term of the program, a thesis advisory committee (TAC) is formed for the candidate. The Committee’s membership will be determined by the specific interests of the candidate. It will be composed of the supervisor and 2-3 additional professors. At least one member of the thesis committee, in addition to the supervisor, must be from the Department of Economics, University of Ottawa. The TAC is responsible for guiding the student throughout the program.

A meeting between the student and the Thesis Advisory Committee will take place at least once per year. The thesis examining board may include members who are not part of the TAC.

**Research**

**Research Fields & Facilities**

Located in the heart of Canada’s capital, a few steps away from Parliament Hill, the University of Ottawa is among Canada’s top 10 research universities.
uOttawa focuses research strengths and efforts in four Strategic Areas of Development in Research (SADRs):

- Canada and the World
- Health
- e-Society
- Molecular and Environmental Sciences

With cutting-edge research, our graduate students, researchers and educators strongly influence national and international priorities.

Research at the Faculty of Social Sciences

The Faculty of Social Sciences represents a place of excellence in knowledge creation, research and training. Driven by both disciplinary and interdisciplinary perspectives, research at the Faculty is rich, innovative and varied, contributing to the depth of understanding and breadth of discussions on a variety of issues nationally and internationally.

This research, whether it be fundamental, theoretical, applied or action-oriented, is generated by our renowned expertise, ultimately culminating in applications designed to influence individual communities and the betterment of society.

We have identified five research themes which collectively represent a large proportion of the research undertaken at the Faculty of Social Sciences:

- International Studies
- Francophonie
- Public Policy
- Health, Well-Being
- Justice, Society

Facilities, Research Centres and Institutes at the Faculty of Social Sciences


For more information, refer to the list of faculty members and their research fields on Uniweb.

IMPORTANT: Candidates and students looking for professors to supervise their thesis or research project can also consult the website of the faculty or department (https://www.uottawa.ca/graduate-studies/students/academic-unit-contact-information) of their program of choice. Uniweb does not list all professors authorized to supervise research projects at the University of Ottawa.

Courses

ECO 5114 Economic Growth (3 units)
Analyses of capital accumulation and income distribution; measures of technical progress, general equilibrium theory, and labour markets; growth and institutions: the State, firms, financial markets; multisectorial growth.

Course Component: Lecture

ECO 5116 Post-Keynesian Theory of Value and Profit (3 units)

Course Component: Lecture

ECO 5185 Econometrics I (3 units)

Course Component: Lecture

ECO 5514 Croissance économique (3 crédits)
Analyses de la croissance et de la répartition; mesures du progrès technique, théorie de l’équilibre général, marchés du travail; croissance et institutions: l’état, les entreprises, le marché financier; croissance multisectorielle.

Volet : Cours magistral

ECO 5516 Théorie post-keynésienne : Valeur et production (3 crédits)
Historique de la théorie du surplus. Caractéristiques de la méthode post-keynésienne. La contribution de Sraffa. La théorie de la valeur et des prix. La théorie de la production et du capital. La rente. La plus-value. La production jointe. Analyses de la traverse. Applications et implications politiques: commerce international et finances publiques.

Volet : Cours magistral

ECO 5585 Économétrie I (3 crédits)

Volet : Cours magistral

ECO 6106 History of Economic Thought and Methodology (3 units)
Evolution of economic thought, from the economic doctrines of antiquity to present times; critique and appraisal of scientific methods in economics. This course is equivalent to ECON 5209 at Carleton University.

Course Component: Lecture
ECO 6108 Economic System Design (3 units)
Deterministic dynamic optimization methods: economic and managerial applications of the maximum principle of Pontryagin and of dynamic programming. Discrete time stochastic dynamic optimization methods: Bayesian and Markovian decision theory, measures of risk-aversion and risk, portfolio theory, elements of search theory, applications of discrete time stochastic control to economics.
Course Component: Lecture

ECO 6110 Introduction to Applied General Equilibrium Modelling (3 units)
Computable general equilibrium (CGE) modelling: impacts of economic shocks; theoretical foundations; model specification, numerical solutions. Understanding model assumptions and interpretation of results.
Course Component: Lecture

ECO 6120 Macroeconomic Theory IV (3 units)
Macroeconomic theory, including topics such as economic growth, consumption, investment, real and nominal frictions in the goods, labour, and credit markets, models of short-run economic fluctuations, and monetary and fiscal policy design. This course is equivalent to ECON 5021 at Carleton University.
Course Component: Lecture

ECO 6122 Microeconomic Theory IV (3 units)
Microeconomic theory, including topics such as utility maximization and individual choice, decision-making under uncertainty, producer theory (technology, costs, and profit maximization), alternative market structures (competition, monopoly, and oligopoly), general equilibrium, and the economics of information. This course is equivalent to ECON 5020 at Carleton University.
Course Component: Lecture

ECO 6130 Public Economics: Expenditure (3 units)
The theory of public expenditures. Topics may include public goods and externalities, social insurance and redistribution, public provision of health care and education, public pension systems, and underemployment insurance. This course is equivalent to ECON 5401 at Carleton University.
Course Component: Lecture

ECO 6131 Public Economics: Taxation (3 units)
The study of tax systems. Concepts of equity and efficiency in taxation. The optimal design of tax structures using commodity, income, and capital taxes. Additional topics may include political economy of taxation, low-income support, environmental taxes, and tax evasion. This course is equivalent to ECON 5402 at Carleton University.
Course Component: Lecture

ECO 6132 Fiscal Federalism (3 units)
This course examines the economic aspects of federalism, including efficiency and redistribution, consideration of a federal system of government, intergovernmental grants, and problems of stabilization policy in a federal context.
Course Component: Lecture

ECO 6133 Topics in the Theory of Public Economy (3 units)
Topics may include political economy, tax incidence in general equilibrium, the theory and practice of tax reform, normative approaches to income redistribution, the theory of non-market decision-making, the non-profit sector, and social choice theory. This course is equivalent to ECON 5403 at Carleton University.
Course Component: Lecture

ECO 6134 Topics in Environmental and Resource Economics (3 units)
Topics may include international dimensions of environmental regulation, including treaties, competitiveness, and the effects of trade liberalization; development issues, including fiscal sustainability, Dutch disease, the resource curse, and population growth; resource topics, including optimal taxation, green national accounts, sustainability theory, and scarcity of extractive resources. This course is equivalent to ECON 5805 at Carleton University.
Course Component: Lecture

ECO 6135 Topics in Industrial Organization (3 units)
Topics may include vertical restraints and vertical integration, innovation and research and development, network economics, contract theory, search theory and advertising, and industry studies. This course is equivalent to ECON 5305 at Carleton University.
Course Component: Lecture

ECO 6136 Topics in Environmental and Resource Economics (3 units)
Topics may include international dimensions of environmental regulation, including treaties, competitiveness, and the effects of trade liberalization; development issues, including fiscal sustainability, Dutch disease, the resource curse, and population growth; resource topics, including optimal taxation, green national accounts, sustainability theory, and scarcity of extractive resources. This course is equivalent to ECON 5805 at Carleton University.
Course Component: Lecture

ECO 6137 Topics in Industrial Organization (3 units)
Topics may include vertical restraints and vertical integration, innovation and research and development, network economics, contract theory, search theory and advertising, and industry studies. This course is equivalent to ECON 5305 at Carleton University.
Course Component: Lecture

ECO 6138 Topics in Environmental and Resource Economics (3 units)
Topics may include international dimensions of environmental regulation, including treaties, competitiveness, and the effects of trade liberalization; development issues, including fiscal sustainability, Dutch disease, the resource curse, and population growth; resource topics, including optimal taxation, green national accounts, sustainability theory, and scarcity of extractive resources. This course is equivalent to ECON 5805 at Carleton University.
Course Component: Lecture

ECO 6139 Topics in Industrial Organization (3 units)
Topics may include vertical restraints and vertical integration, innovation and research and development, network economics, contract theory, search theory and advertising, and industry studies. This course is equivalent to ECON 5305 at Carleton University.
Course Component: Lecture

ECO 6140 Industrial Organization I (3 units)
An examination of theories pertaining to industrial organization and their application by way of empirical studies. Topics include oligopoly theory, product differentiation, and strategic behaviour. This course is equivalent to ECON 5301 at Carleton University.
Course Component: Lecture

ECO 6141 Industrial Organization II (3 units)
Regulation and competition policy as alternative approaches for influencing industry conduct and performance and correcting market failures. Topics may include incentive regulation under asymmetric information, cost-based pricing, second-best pricing, peak-load pricing, rate-of-return regulation, price-cap regulation, access pricing, and regulatory capture. This course is equivalent to ECON 5303 at Carleton University.
Course Component: Lecture

ECO 6142 Industrial Organization III (3 units)
Regulation and competition policy as alternative approaches for influencing industry conduct and performance and correcting market failures. Topics may include incentive regulation under asymmetric information, cost-based pricing, second-best pricing, peak-load pricing, rate-of-return regulation, price-cap regulation, access pricing, and regulatory capture. This course is equivalent to ECON 5303 at Carleton University.
Course Component: Lecture

ECO 6143 Economics of Natural Resources (3 units)
The concept of scarcity rents in static and dynamic settings. Basic property regimes: open access, exclusive access and common property. Policy instruments. The importance of transaction costs. General-equilibrium and political-economic aspects of property regimes. Conflict. Elements of dynamic optimization. Renewable and non-renewable resources. This course is equivalent to ECON 5803 at Carleton University.
Course Component: Lecture

ECO 6151 Economics of the Environment (3 units)
The environment as natural capital; environmental valuation techniques; elements of environmental income accounting; sustainable development issues, including treaties, competitiveness, and the effects of trade liberalization; development issues, including fiscal sustainability, Dutch disease, the resource curse, and population growth; resource topics, including optimal taxation, green national accounts, sustainability theory, and scarcity of extractive resources. This course is equivalent to ECON 5805 at Carleton University.
Course Component: Lecture

ECO 6152 Economics of the Environment (3 units)
The environment as natural capital; environmental valuation techniques; elements of environmental income accounting; sustainable development issues, including treaties, competitiveness, and the effects of trade liberalization; development issues, including fiscal sustainability, Dutch disease, the resource curse, and population growth; resource topics, including optimal taxation, green national accounts, sustainability theory, and scarcity of extractive resources. This course is equivalent to ECON 5805 at Carleton University.
Course Component: Lecture

ECO 6153 Economics of the Environment (3 units)
The environment as natural capital; environmental valuation techniques; elements of environmental income accounting; sustainable development issues, including treaties, competitiveness, and the effects of trade liberalization; development issues, including fiscal sustainability, Dutch disease, the resource curse, and population growth; resource topics, including optimal taxation, green national accounts, sustainability theory, and scarcity of extractive resources. This course is equivalent to ECON 5805 at Carleton University.
Course Component: Lecture

ECO 6154 Economics of the Environment (3 units)
The environment as natural capital; environmental valuation techniques; elements of environmental income accounting; sustainable development issues, including treaties, competitiveness, and the effects of trade liberalization; development issues, including fiscal sustainability, Dutch disease, the resource curse, and population growth; resource topics, including optimal taxation, green national accounts, sustainability theory, and scarcity of extractive resources. This course is equivalent to ECON 5805 at Carleton University.
Course Component: Lecture
ECO 6161 International Monetary Theory and Policy (3 units)
International monetary theory and its implications for economic policy, with emphasis on topics such as sources of equilibrium and disequilibrium in the balance of payments, balance-of-payments adjustment under fixed versus flexible exchange rates, international capital movements, and recent issues in the international monetary system. This course is equivalent to ECON 5602 at Carleton University.
Course Component: Lecture

ECO 6162 Topics in International Economics (3 units)
Selected topics in international economics, including theoretical analysis, quantitative methods and policy formulation, implementation and evaluation. This course is equivalent to ECON 5603 at Carleton University.
Course Component: Lecture

ECO 6170 Theory of Economic Development (3 units)
Theoretical approaches in the economic development literature in relation to the historical, economic, environmental, social and political dimensions of the development process. This course is equivalent to ECON 5500 at Carleton University.
Course Component: Lecture

ECO 6171 Economic Development: Domestic Aspects (3 units)
Major domestic problems of economic development. Topics may include employment, income distribution, choice of technology, sectoral allocation of resources, human resources development, and domestic environment issues. This course is equivalent to ECON 5504 at Carleton University.
Course Component: Lecture

ECO 6172 Economic Development: International Aspects (3 units)
Key problems of international economic development such as trade in primary commodities and manufactures, financial flow and debt, the role of multinational corporations, the transfer of technology, and the international dimensions of environmental issues as they relate to the developing countries. This course is equivalent to ECON 5505 at Carleton University.
Course Component: Lecture

ECO 6173 Environmental Aspects of Economic Development (3 units)
Policy aspects of sustainable economic development and environmental quality in developing countries. Topics include energy use, deforestation, drought and desertification, depletion of natural resources, debt, environment and poverty, sustainable industrial and agricultural development, conservation policies, pollution control and global environmental issues. This course is equivalent to ECON 5507 at Carleton University.
Course Component: Lecture

ECO 6174 Health Economics (3 units)
Review of both classic and frontier work in the field of health and health care economics. Empirical work with an emphasis on theory and methodology. This course is also relevant to students interested in broader empirical microeconomic research. This course is equivalent to ECON 5460 at Carleton University.
Course Component: Lecture

ECO 6175 Micro-Econometrics (3 units)
Analysis of the concepts and tools used in micro-econometrics with particular focus on empirical applicability. Topics may include discrete choice models, limited dependent variables, panel data, duration models, and program evaluation, together with relevant economic applications. This course is equivalent to ECON 5712 at Carleton University.
Course Component: Lecture
Prerequisite: ECO 5185.

ECO 6176 Time-Series Econometrics (3 units)
Analysis of the concepts and tools used in time-series econometrics with particular focus on empirical applicability. Topics may include cointegration analysis, error-correction models, VAR models, volatility analysis, and non-linear time-series models, together with relevant economic applications. This course is equivalent to ECON 5713 at Carleton University.
Course Component: Lecture
Prerequisite: ECO 5185.

ECO 6180 Foundations of Monetary Economics (3 units)
Microeconomic foundations of monetary theory. Alternative theories of the existence of money and the micro-foundations for understanding how money is integrated into aggregate macroeconomic models. This course is equivalent to ECON 5606 at Carleton University.
Course Component: Lecture

ECO 6181 Topics in Monetary Economics (3 units)
Coverage of one or more areas of current research on the frontiers of monetary economics. This course is equivalent to ECON 5607 at Carleton University.
Course Component: Lecture

ECO 6182 Monetary Economics and Financial Intermediation (3 units)
The evolution of the financial system and its interrelationship with the money supply process. Monetary and finance theory and empirical research applied to institutional problems in both historical and contemporary settings. Topics may include credit markets, financial instability, bubbles, and links to central bank policy. This course is equivalent to ECON 5608 at Carleton University.
Course Component: Lecture

ECO 6183 Exploration in Monetary Economics (3 units)
Explorations in theory, policy recommendations, and empirical study. Course material challenges traditional approaches by examining such topics as the endogeneity of money, the role of credit, financial instability, the circuit approach, flow-of-funds analysis, sectoral stock-flow coherence, and functional finance. This course is equivalent to ECON 5609 at Carleton University.
Course Component: Lecture

ECO 6191 Labour Economics I (3 units)
The application of microeconomic and macroeconomic theory to the labour market. Topics include labour supply and labour demand, wage determination, human capital and the economics of education, and unemployment. This course is equivalent to ECON 5361 at Carleton University.
Course Component: Lecture

ECO 6192 Labour Economics II (3 units)
Personnel economics and contract theory. Topics include the economics of unions, discrimination, the economics of the household, gender and fertility, and labour mobility. This course is equivalent to ECON 5362 at Carleton University.
Course Component: Lecture

ECO 6193 Advanced Topics in Labour Economics (3 units)
Topics may include program evaluation, inequality, labour markets and health, labour markets and crime, and the structural estimation of labour market models. This course is equivalent to ECON 5363 at Carleton University.
Course Component: Lecture

ECO 6304 Selected Topics in Applied Economics (3 units)
Study of selected topics in applied economics; contents may change from year to year.
Course Component: Lecture

ECO 6506 Histoire de la pensée économique et de la méthodologie (3 crédits)
Évolution de la pensée économique des doctrines économiques de l'antiquité jusqu'à aujourd'hui; critique et évaluation des méthodes scientifiques en science économique. Ce cours est équivalent à ECON 5209 à la Carleton University.
Volet : Cours magistral

ECO 6508 Analyse et contrôle des systèmes économiques dynamiques (3 crédits)
Méthodes déterministes d'optimisation dynamique : applications économiques et managériales du principe du maximum de Pontryagin et de la programmation dynamique. Méthodes stochastiques d'optimisation dynamique en temps discret : théorie de la décision Bayésienne et Markovienne, mesures de l'aversion au risque et du risque, théorie des portefeuilles, éléments de théorie de foyinage, applications économiques de la théorie du contrôle stochastique en temps discret.
Volet : Cours magistral

ECO 6510 Modélisation en équilibre général calculable (3 crédits)
La modélisation en équilibre général calculable (MEGC) : effets distributifs des chocs et politiques économiques; fondements théoriques des modèles d'équilibre général, les étapes requises pour la spécification de ces modèles et leur résolution numérique. Compréhension des hypothèses de ces modèles et interprétation des résultats.
Volet : Cours magistral

ECO 6520 Théorie macroéconomique IV (3 crédits)
La théorie macroéconomique, incluant des thémes tels que la croissance économique, la consommation, l'investissement, les principales sources de croissance et les marchés des biens, du travail et du crédit, les modèles de fluctuations économiques à court terme, et la formulation des politiques monétaires et fiscales. Ce cours est équivalent à ECON 5021 à la Carleton University.
Volet : Cours magistral

ECO 6522 Théorie microéconomique IV (3 crédits)
La théorie microéconomique, incluant des thémes tels que la maximisation de l'utilité et les choix individuels, le processus décisionnel en présence d'incertitude, la théorie du producteur (technologie, coûts, et maximisation du profit), structures de marché (concurrence, monopole, et oligopole), équilibre général, et l'économie de l'information. Ce cours est équivalent à ECON 5020 à la Carleton University.
Volet : Cours magistral

ECO 6530 Économie publique : Les dépenses (3 crédits)
La théorie des dépenses gouvernementales. Les thèmes étudiés peuvent inclure : biens publics et externalités, assurance sociale et redistribution, provision publique de santé et d'éducation, régimes publics de pensions et d'assurance-chômage. Ce cours est équivalent à ECON 5401 à la Carleton University.
Volet : Cours magistral

ECO 6531 Économie publique : L'imposition (3 crédits)
L'étude des systèmes fiscaux. Les concepts d'équité et d'efficacité en fiscalité. L'imposition optimale de la consommation, des revenus et des capitaux. Les thèmes étudiés peuvent aussi inclure : l'économie - politique liée à la fiscalité, le soutien aux individus à bas revenus, les taxes environnementales et l'évasion fiscale. Ce cours est équivalent à ECON 5402 à la Carleton University.
Volet : Cours magistral

ECO 6532 Système fiscal du fédéralisme (3 crédits)
Ce cours examine les aspects économiques du fédéralisme incluant la fiscalité et la redistribution des revenus et considère le système fédéral de gouvernement ainsi que les subventions intergouvernementales et les problèmes de stabilisation dans un contexte fédéral.
Volet : Cours magistral

ECO 6533 Thèmes choisis en économie publique (3 crédits)
Les thèmes étudiés peuvent inclure : l'économie politique, l'incidence fiscale en équilibre général, la théorie et la pratique de la réforme fiscale, les approches normatives à la redistribution du revenu, la théorie de la prise de décisions non-marchandes, le secteur à but non-lucratif et la théorie du choix social. Ce cours est équivalent à ECON 5403 à la Carleton University.
Volet : Cours magistral

ECO 6534 Thèmes choisis en économie publique de l'environnement et des ressources (3 crédits)
Les thèmes étudiés peuvent inclure : dimensions internationales de la réglementation environnementale, incluant les traités, la compétitivité, et les effets de la libéralisation des échanges; enjeux de développement, incluant la viabilité budgétaire, le mal hollandais, la malédiction des ressources, et la croissance de la population; thèmes liés aux ressources, incluant la taxation optimale, la comptabilité nationale verte, la théorie de la durabilité, et la rareté des ressources extractives. Ce cours est équivalent à ECON 5805 à la Carleton University.
Volet : Cours magistral

ECO 6535 Thèmes choisis en organisation industrielle (3 crédits)
Les thèmes étudiés peuvent inclure les restrictions verticales et l'intégration verticale, l'innovation et la recherche et développement, l'économie des réseaux, la théorie des contrats, la théorie de la recherche, la publicité, et des études sectorielles. Ce cours est équivalent à ECON 5304 à la Carleton University.
Volet : Cours magistral

ECO 6540 Organisation industrielle I (3 crédits)
Un examen des théories pertinentes à l'organisation industrielle et leurs applications sous forme d'études empiriques. Les thèmes incluent la théorie de l'oligopole, la différenciation du produit, et les comportements stratégiques. Ce cours est équivalent à ECON 5301 à la Carleton University.
Volet : Cours magistral

ECO 6542 Organisation industrielle II (3 crédits)
Réglementation et politique de la concurrence comme approches alternatives pour influencer la conduite et la performance de l'industrie, et corriger les failles de marché. Les sujets étudiés peuvent inclure la réglementation incitative avec information asymétrique, la tarification fondée sur les coûts, la tarification de second rang, la tarification en période de pointe, la réglementation du taux de rendement, le plafonnement des prix, les prix d'accès, et la détourner de la réglementation. Ce cours est équivalent à ECON 5303 à la Carleton University.
Volet : Cours magistral

ECO 6543 Économie des ressources naturelles (3 crédits)
Volet : Cours magistral

ECO 6551 Économie de l'environnement (3 crédits)
L'environnement comme capital naturel; techniques d'évaluation environnementale; comptabilité environnementale; théorie et pratique de développement durable; questions institutionnelles et problèmes de politique publique. Ce cours est équivalent à ECON 5804 à la Carleton University.

Volet : Cours magistral
Prerequisite: ECO 6150 or the permission of the Department.

ECO 6560 Théorie et politique du commerce international (3 crédits)
La théorie du commerce international et ses implications pour la politique économique sont examinées en mettant l'accent sur des sujets tels que les déterminants du commerce et de la spécialisation interne, les gains du commerce international et de la politique commerciale, la mobilité internationale des facteurs de production, croissance et développement. Ce cours est équivalent à ECON 5601 à la Carleton University.

Volet : Cours magistral

ECO 6561 Les flux financiers internationaux : Théorie et politique (3 crédits)
La théorie monétaire internationale et ses implications pour la politique économique, en mettant l'accent sur des sujets tels que les sources d'équilibre et de déséquilibre dans la balance des paiements, l'ajustement de la balance des paiements aux conditions de taux de change fixes et fluctuants, mouvements internationaux des capitaux et problèmes récents du système monétaire international. Ce cours est équivalent à ECON 5602 à la Carleton University.

Volet : Cours magistral

ECO 6562 Thèmes choisis en économie internationale (3 crédits)
Thèmes choisis en économie internationale, incluant l'analyse théorique, les méthodes quantitatives et la formulation, la mise en oeuvre et l'évaluation des politiques. Ce cours est équivalent à ECON 5603 à la Carleton University.

Volet : Cours magistral

ECO 6570 Théorie du développement économique (3 crédits)
Approches théoriques du développement économique dans la littérature en relation avec les dimensions historiques, économiques, environnementales, sociales et politiques du processus de développement. Ce cours est équivalent à ECON 5500 à la Carleton University.

Volet : Cours magistral

ECO 6571 Aspects domestiques du développement économique (3 crédits)
Analyse des problèmes majeurs du développement économique interne dont le chômage, la distribution des revenus, le choix des techniques, l'allocation sectorielle des ressources, le développement des ressources humaines et les questions environnementales domestiques. Ce cours est équivalent à ECON 5504 à la Carleton University.

Volet : Cours magistral

ECO 6572 Développement économique : Aspects internationaux (3 crédits)
Problèmes fondamentaux du développement économique international tels que le commerce en ressources primaires et biens manufacturés, les flux financiers et la dette, le rôle des entreprises multinationales, le transfert de technologie et les dimensions internationales des questions environnementales en relation avec les pays en voie de développement. Ce cours est équivalent à ECON 5505 à la Carleton University.

Volet : Cours magistral

ECO 6573 Aspects environnementaux du développement économique (3 crédits)
Politiques du développement durable et de la qualité de l'environnement dans les pays en voie de développement. Thèmes étudiés : l'utilisation de l'énergie, la déforestation, la sécheresse et la désertification, l'épuisement des ressources naturelles, la dette, l'environnement et la pauvreté, le développement durable dans l'industrie et l'agriculture, les politiques de conservation, le contrôle de la pollution et les problèmes de l'environnement global. Ce cours est équivalent à ECON 5507 à la Carleton University.

Volet : Cours magistral

ECO 6574 Économie de la santé (3 crédits)
Survol des travaux classiques et de pointe du domaine de l'économie de la santé et des soins de santé. Recherche empirique avec accent sur la théorie et la méthodologie. Ce cours sera pertinent également pour les étudiants intéressés par la recherche microéconomique empirique. Ce cours est équivalent à ECON 5460 à la Carleton University.

Volet : Cours magistral

ECO 6575 Microéconométrie (3 crédits)
Analyse des concepts et outils utilisés en micro-économétrie avec un accent sur l'application empirique. Les thèmes pourraient inclure les modèles de choix discrets, les variables dépendantes limitées, les données de panel, les modèles de durée et l'évaluation de programmes, ainsi que des applications économiques pertinentes. Ce cours est équivalent à ECON 5512 à la Carleton University.

Volet : Cours magistral
Préalable: ECO 5585

ECO 6576 Économétrie des séries chronologiques (3 crédits)
Analyse des concepts et outils utilisés en économétrie des séries chronologiques avec accent sur l'application empirique. Les thèmes pourraient inclure l'analyse de cointégration, les modèles à correction d'erreur, les modèles VAR, l'analyse de volatilité et les modèles de séries chronologiques non-linéaires, ainsi que des applications économiques pertinentes. L'accent est mis sur l'application empirique avec de solides fondements économétriques. Ce cours est équivalent à ECON 5513 à la Carleton University.

Volet : Cours magistral
Préalable: ECO 5585

ECO 6580 Fondements de l'économie monétaire (3 crédits)
Fondements microéconomiques de la théorie monétaire. Théories alternatives de l'existence de la monnaie et les fondements microéconomiques de l'intégration de la monnaie dans les modèles macroéconomiques agrégés. Ce cours est équivalent à ECON 5606 à la Carleton University.

Volet : Cours magistral

ECO 6581 Thèmes choisis en économie monétaire (3 crédits)
Présentation d'un ou plusieurs domaines de recherche courante à la frontière de l'économie monétaire. Ce cours est équivalent à ECON 5607 à la Carleton University.

Volet : Cours magistral

ECO 6582 Économie monétaire et intermédiaires financiers (3 crédits)
Évolution du système financier et ses interrelations avec le processus d'offre de monnaie et avec la banque centrale. Théorie monétaire et financière et recherche empirique appliquée à l'analyse des problèmes institutionnels dans un contexte à la fois historique et contemporain. Les thèmes peuvent inclure les marchés du crédit, l'instabilité financière, les bulles, et les liens avec la politique de la banque centrale. Ce cours est équivalent à ECON 5608 à la Carleton University.

Volet : Cours magistral

ECO 6583 Explorations en économie monétaire (3 crédits)
Explorations des aspects théoriques, des recommandations politiques et des études empiriques de la théorie monétaire. Remise en question des approches traditionnelles à travers l'examen de thèmes tels l'endogenité de la monnaie, le rôle du crédit, l'instabilité financière, l'approche du circuit, l'analyse du flux de fonds, cohérence sectorielle stock-flux, et finance fonctionnelle. Ce cours est équivalent à ECON 5609 à la Carleton University.
Volet : Cours magistral

ECO 6591 Économie du travail I (3 crédits)
Application de la théorie microéconomique et macroéconomique au marché du travail. Les thèmes abordés incluent l'offre et la demande de travail, la détermination des salaires, le capital humain et l'économie de l'éducation, et le chômage. Ce cours est équivalent à ECON 5361 à la Carleton University.
Volet : Cours magistral

ECO 6592 Économie du travail II (3 crédits)
L'économie du personnel et la théorie des contrats. Les thèmes abordés incluent l'économie des syndicats, la discrimination, l'économie des ménages, le genre et la fécondité, et la mobilité de la main-d'œuvre. Ce cours est équivalent à ECON 5362 à la Carleton University.
Volet : Cours magistral

ECO 6593 Thèmes avancés en économie du travail (3 crédits)
Les thèmes pourraient inclure l'évaluation de programmes, les inégalités, le marché du travail et la santé, le marché du travail et la criminalité, et les estimations structurelles de modèles du marché du travail. Ce cours est équivalent à ECON 5363 à la Carleton University.
Volet : Cours magistral

ECO 6704 Thèmes choisis en économie appliquée (3 crédits)
Etude de thèmes choisis en économie appliquée; contenu variable selon l'année.
Volet : Cours magistral

ECO 6900 Thèmes choisis en théorie économique / Selected Topics in Economic Theory (3 crédits / 3 units)
Étude de thèmes choisis en théorie économique; contenu variable selon l'année. / Study of selected topics in economic theory; contents may change from year to year.
Volet / Course Component: Cours magistral / Lecture

ECO 6900S Séminaire en théorie économique I (Geo.-Raeg.) (3 crédits / 3 units)
Volet / Course Component: Cours magistral / Lecture

ECO 6901S Séminaire en théorie économique II (Geo.-Raeg.) (3 crédits / 3 units)
Préalable: ECO 6122 and ECO 7119 / Prerequisites: ECO 6122 and ECO 7119

ECO 6902 Atelier / Workshop (6 crédits / 6 units)
Ce cours est équivalent à ECON 6902 à la Carleton University. / This course is equivalent to ECON 6902 at Carleton University.
Volet / Course Component: Cours magistral / Lecture

ECO 6904 Thèmes choisis en politique économique / Selected Topics in Economic Policy (3 crédits / 3 units)
Étude de thèmes choisis en politique économique; contenu variable selon l'année. / Study of selected topics in economic policy; contents may change from year to year.
Volet / Course Component: Cours magistral / Lecture

ECO 6999 Mémoire / Major Paper (6 crédits / 6 units)
Volet / Course Component: Recherche / Research

ECO 7923 Théorie économique : macroéconomique / Economic Theory : Macroeconomics (3 crédits / 3 units)
Théorie macroéconomique au niveau gradué avancé avec emphase sur les modèles d’équilibre général dynamiques. Présentation des concepts théoriques principaux et exploration de la structure de base sous-jacente à ces modèles. Application à l’étude des décisions de consommation des ménages, d’investissement des entreprises, et à la croissance économique. Ce cours est équivalent à ECON 6021 à la Carleton University. / Advanced graduate-level macroeconomic theory with particular focus on dynamic general equilibrium models. Exposition of the main theoretical concepts and exploration of the basic structure underlying these models. Application to the study of household consumption decisions, firm investment decisions, and economic growth.
This course is equivalent to ECON 6021 at Carleton University.

Volet / Course Component: Cours magistral / Lecture
Préalables: ECO 6520 et ECO 7119 / Prerequisites: ECO 6120 and ECO 7119

ECO 7980 Lectures dirigées / Directed Readings (3 crédits / 3 units)
Ce cours est équivalent à ECON 6904 à la Carleton University. / This course is equivalent to ECON 6904 at Carleton University.

Volet / Course Component: Cours magistral / Lecture

ECO 7990 Examen de synthèse en microéconomie / PhD Comprehensive Exam in Microeconomics
Ce cours est équivalent à ECON 6900 à la Carleton University. / This course is equivalent to ECON 6900 at Carleton University.

Volet / Course Component: Recherche / Research

ECO 7991 Examen de synthèse en macroéconomie / PhD Comprehensive Exam in Macroeconomics
Ce cours est équivalent à ECON 6902 à la Carleton University. / This course is equivalent to ECON 6902 at Carleton University.

Volet / Course Component: Recherche / Research

ECO 9990 Examen de spécialisation I / Field Exam I
Ce cours est équivalent à ECON 6905 à la Carleton University. / This course is equivalent to ECON 6905 at Carleton University.

Volet / Course Component: Recherche / Research

ECO 9998 Examen général de doctorat / PhD Comprehensive Examination

Volet / Course Component: Cours magistral / Lecture