

Department of Economics

# Undergraduate Handbook

2025-2026

Economics

Business Economics

Financial and Business  
Economics

liberal arts &  
professional studies | **YORK U**



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This Undergraduate Handbook is designed as a comprehensive reference guide to assist you in planning your studies and navigating academic and student life. All the information in this Handbook is available on York University websites. We have provided the relevant links that you should check for most up-to-date information. If you have any questions, please contact the Undergraduate Program Office located on the ground floor of Vari Hall, Room 1110A, or email us at [lapsecon@yorku.ca](mailto:lapsecon@yorku.ca).

## Why Major in Economics?

The **Department of Economics** within the Faculty of Liberal Arts and Professional Studies (LA&PS) offers three innovative academic programs perfect for the twenty-first century learner: **Economics (ECON)**, **Business Economics (BUEC)**, and **Financial and Business Economics (FBEC)**. As one of the largest Economics departments in Canada, we have 50 full-time professors offering a wide range of courses to suit your individual learning preferences and career goals. Our award-winning faculty, renowned for their research and teaching excellence, teach at all levels, from introductory core courses to upper-level electives.

Our curriculum covers a wide range of subfields in economics, including microeconomics, macroeconomics, econometrics, international economics, labour economics, public economics, financial economics, and more. Our unique teaching approach combines theory with practical applications, equipping you with analytical and quantitative tools needed to address a range of individual and social issues arising from the conflict between unlimited wants and limited resources.

In this intellectually stimulating environment, you will become skilled at identifying economic problems, applying economic theories to enhance your understanding of real-world issues, and evaluating theoretical insights through data and empirical testing. Throughout your chosen program, you will develop strong quantitative and analytical thinking skills, preparing you for diverse career opportunities across various industries and sectors. We also offer research opportunities, optional co-op placements, and international exchange to further refine your expertise in economics.

Our graduates are well prepared to embark on or advance in careers in business, government, and the not-for-profit sector, as well as to pursue graduate studies in economics or professional training in fields such as business, law, and public administration.

## Department of Economics Contact Information

**Undergraduate Program Office Location:** 1110A Vari Hall (VH)

**Graduate Program Office Location:** 1138 Vari Hall

**Department Telephone Number:** 416-736-5083

- For individual Staff and Faculty members below, please dial the York University Main Board Number (416-736-2100) and dial appropriate extension.

**Chair:** Professor Wai-Ming-Ho, 1136 Vari Hall

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## Staff Directory

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## Undergraduate Program Descriptions

### Economics

Economics is about how individuals, businesses, governments, and nations make choices in a world of scarce resources. You will master the analytical tools economists use to shed light on diverse contemporary issues such as inflation, income inequality within and across countries, gender wage gap, trade and globalization, economic development, climate change, and market design.

Beyond choosing to study Economics, you have the flexibility to customize your study. You can choose between a three-year bachelor's degree or a more intensive four-year honours bachelor's program, depending on your desired level of specialization. If you're weighing two subjects of interest but can't make a decision, you're able to declare a major, which would be your primary area of study, as well as a minor, or secondary subject. Or give them equal billing and go for a double major. Whatever path you envision, you'll have choices to accommodate you along the way.

Upon graduation, you will be equipped with marketable skills to pursue careers in the government, non-profit, and private sectors, or to further your studies. Crucially, the program will enhance your decision-making skills, enabling you to make more informed choices across various facets of life. Students can pursue a degree in Economics at the **BA**, **BA Honours**, and **BA Specialized Honours** levels.

## Business Economics

The Business Economics program integrates economics and business studies, emphasizing the application of economic analysis and statistical methods to address the challenges faced by business organizations. The curriculum combines core training in economic theory and applied data analysis with studies in accounting, managerial economics, money and banking, and risk management and insurance. It covers key business topics including strategic competition, firm organization, and global business issues in a dynamic marketplace. Throughout the program, students develop strong quantitative and strategic thinking skills, preparing them for careers in the banking, business, or government sectors where they can effectively tackle real-world business challenges. Students will be able to pursue a degree in Business Economics at the **BA level**.

## Financial And Business Economics

The Financial and Business Economics program combines a rigorous quantitative and analytical approach with practical applications designed for students who are particularly interested in careers in the financial sector or pursuing graduate education in financial economics. This highly structured program provides a broad understanding of the economic framework upon which financial theory is based. Through a blend of economic theory and applied tools of modern finance, students develop a solid knowledge of the microeconomic principles underlying financial markets and instruments, the macroeconomic role of finance, and the quantitative tools commonly used for analyzing financial markets. Students will be able to pursue a degree in Business and Financial Economics at the **BA Specialized Honours** level.

## Degree Programs in Economics

- BA - Economics
- BA – Business Economics
- Honours BA Economics
- Honours – Double Major, BA Economics & \_\_\_\_\_
- Honours – Major/Minor, BA Economics/\_\_\_\_\_
- Honours Minor, BA in Economics
- Specialized Honours BA Economics
- Specialized Honours BA Financial & Business Economics

The BA program is a 90-credit degree, normally completed in 3 years. All Honours BA programs require 120-credits, normally completed in 4 years. Students who opt for programs in Economics are encouraged to register in honours if they have the required overall grade point average of C+ (5.0) or better.

## Degree Pathways

Degree Pathways provide a clear roadmap for every year of your undergraduate journey. In the first year of your program, you will familiarize yourself with the university environment, complete foundational general education courses, and delve into fundamental courses in economics. In the second year, you will build upon the foundational knowledge acquired in your first year to prepare for elective courses and advanced studies in your chosen program. In the last one or two years of your study, you will explore specialized fields in your chosen program and pursue your specific interests within the discipline. Suggested program-specific Enrolment Plans are provided below. For more details and to explore additional programs, please visit the [Degree Pathways website](#).

## Economics BA Honours

Year 1		Year 2		Year 3		Year 4	
Fall Term	Winter Term	Fall Term	Winter Term	Fall Term	Winter Term	Fall Term	Winter Term
AP/ECON 1000 3.0: Introduction to Microeconomics	AP/ECON 1010 3.0: Introduction to Macroeconomics	AP/ECON 2300 3.0: Intermediate Microeconomic Theory I	AP/ECON 2350 3.0: Intermediate Microeconomic Theory II				
AP/ECON 1530 3.0: Introductory Mathematics for Economists I	AP/ECON 1540 3.0: Introductory Mathematics for Economists II	AP/ECON 2400 3.0: Intermediate Macroeconomic Theory I	AP/ECON 2450 3.0: Intermediate Macroeconomic Theory II				
Anytime in Year 1		Anytime in Year 2		Anytime in Year 3		Anytime in Year 4	
		AP/ECON 2500 3.0: Introductory Statistics for Economists I		AP/ECON 3210 3.0: Use of Economic Data		12.0 ECON credits at the 4000 level	
General Education Requirements (21 Credits in total, 6.0 in NATS, 6.0 or 9.0 in SOSC, and 6.0 or 9.0 in HUMA)				6.0 ECON credits at the 3000 or 4000 level			
12.0 or 15.0 credits General Education courses		6.0 or 9.0 credits General Education courses					
<b>Anytime in Year 1 to 4: 18.0 credits Outside Major, 33.0 credits Free Choice</b>							
<p><i>Prerequisites:</i> Students are expected to have the necessary pre- or corequisites completed to enrol in any course.</p> <p>You must take and successfully complete ECON 1000 before (not after and not at the same time as) <b>ECON 1010</b>.</p> <p>You must take and successfully complete ECON 1530 before (not after and not at the same time as) <b>ECON 1540</b>.</p>		<p><i>Prerequisites:</i> You must take and successfully complete ECON 1000, ECON 1010, ECON 1530, and 1540 before <b>ECON 2300</b> and <b>ECON 2400</b>.</p> <p>You must take and successfully complete ECON 2300 before (not after and not at the same time as) <b>ECON 2350</b>.</p> <p>You must take and successfully complete ECON 2400 before (not after and not at the same time as) <b>ECON 2450</b>.</p>		<p><i>Prerequisites:</i> You must take and successfully complete ECON 2500 before (not after and not at the same time as) <b>ECON 3210</b>.</p>			

### Notes:

This is a suggested course enrollment plan. Students should use this worksheet in addition to their Degree Planning Worksheet, the University Academic Calendar, and their Degree Progress Report for degree planning.

**Honours BA (120-credit) degree program graduation requirement:** Students must successfully complete (pass) at least 120 credits that meet the Faculty's degree and program requirements with a cumulative GPA of at least 5.00 (C+).

**Upper-Level Course Requirements:** At least **36.0** credits must be at the 3000 or 4000 level, including at least **18** credits at the 4000 level. To fulfil this requirement, a minimum 9.0 credits of Outside Major or Free Choice courses must be at the 3000 or 4000 level and 6.0 credits at the 4000 level.

**Writing Requirement:** A minimum of **6.0** credits of ECON courses must be designated as writing courses (any AP/ECON courses ending in "9").

Many students choose to take a lighter course load in their first year, typically taking fewer than 30 credits, yet manage to complete their degree in four years by enrolling in summer courses.

**Transfer and exchange students** should discuss their schedule with an academic advisor.

**Academic Advisors** can assist with questions about your program and general degree requirements as well as other issues you may be encountering (e.g., academic penalties, transfer credits, petitions, program changes, as well as degree and general education requirements). You should meet with an academic advisor at least once a year.

**Students starting in Winter term** would take their first term courses in the Winter term and their second term courses in the Summer term or in the following Fall term.

Students can enroll in the optional LA&PS Co-Op Program as early as their second year.

## Business Economics BA

Year 1		Year 2		Year 3	
Fall Term	Winter Term	Fall Term	Winter Term	Fall Term	Winter Term
AP/ECON 1000 3.0: Introduction to Microeconomics	AP/ECON 1010 3.0: Introduction to Macroeconomics	AP/ECON 2300 3.0: Intermediate Microeconomic Theory I	AP/ECON 2400 3.0: Intermediate Macroeconomic Theory I	AP/ECON 3480 3.0: Introductory Statistics for Economists II	AP/ECON 3411 3.0: Managerial Economics and Strategy
AP/ECON 1530 3.0: Introductory Mathematics for Economists I	AP/ECON 1540 3.0: Introductory Mathematics for Economists II	AP/ECON 2500 3.0: Introductory Statistics for Economists I	AP/ADMS 2510 3.0: Introduction to Management Accounting		
		AP/ADMS 2500 3.0: Introduction to Financial Accounting			
<b>Anytime in Year 1</b>		<b>Anytime in Year 2</b>		<b>Anytime in Year 3</b>	
AP/ECON 1280 3.0: Principles of Risk Management and Insurance or AP/ITEC 1010 3.0: Information and Organizations		6.0 credits from the <b>BUEC course list</b>		6.0 credits at the 3000 level from the <b>BUEC course list</b>	
General Education Requirements (21 Credits in total, 6.0 in NATS, 6.0 or 9.0 in SOSOC, and 6.0 or 9.0 in HUMA)					
12.0 or 15.0 credits general education courses		6.0 or 9.0 credits general education courses			
<b>Anytime in Year 1 to 3: 18.0 credits Outside Major, 3.0 credits Free Choice</b>					
<p><i>Prerequisites:</i> Students are expected to have the necessary pre- or corequisites completed in order to enrol in any course.</p> <p>You must take and successfully complete ECON 1000 before (not after and not at the same time as) <b>ECON 1010</b>.</p> <p>You must take and successfully complete ECON 1530 before (not after and not at the same time as) <b>ECON 1540</b>.</p>		<p><i>Prerequisites:</i> You must take and successfully complete ECON 1000, ECON 1010, ECON 1530, and ECON 1540 before <b>ECON 2300</b> and <b>ECON 2400</b>.</p> <p>You must take and successfully complete ECON 1000, ECON 2500, and ADMS 2500 before <b>ADMS 2510</b>.</p>		<p><i>Prerequisites:</i> You must take and successfully complete ECON 2500 before (not after and not at the same time as) <b>ECON 3480</b>.</p> <p>You must take and successfully complete ECON 2300 and ECON 3480 before (not after and not at the same time as) <b>ECON 3411</b>.</p>	

### Notes:

This is a suggested course enrollment plan. Students should use this worksheet in addition to their Degree Planning Worksheet, the University Academic Calendar, and the Degree Progress Report for degree planning.

**BA (90-credit) degree program graduation requirement:** Students must successfully complete (pass) at least 90 credits that meet the Faculty's degree and program requirements with a cumulative GPA of at least 4.00 (C).

**Upper-Level Course Requirements:** At least 18.0 credits must be at the 3000 or 4000 level, including 12 credits in the major.

Many students choose to take a lighter course load in their first year, typically taking fewer than 30 credits, yet manage to complete their degree in three years by enrolling in summer courses.

**Transfer and exchange students** should discuss their schedule with an academic advisor.

**Academic Advisors** can assist with questions about your program and general degree requirements as well as other issues you may be encountering (e.g., academic penalties, transfer credits, petitions, program changes, as well as degree and general education requirements). You should meet with an academic advisor at least once a year.

**Students starting in Winter term** would take their first term courses in the Winter term and their second term courses in the Summer term or in the following Fall term.

## Financial and Business Economics BA Specialized Honours

Year 1		Year 2		Year 3		Year 4	
Fall Term	Winter Term	Fall Term	Winter Term	Fall Term	Winter Term	Fall Term	Winter Term
AP/ECON 1000 3.0: Intro to Microeconomics	AP/ECON 1010 3.0: Intro to Macroeconomics	AP/ECON 2300 3.0: Intermediate Microeconomic Theory I	AP/ECON 2350 3.0: Intermediate Microeconomic Theory II	AP/ECON 3430 3.0: Monetary Economics I: Financial Markets and Institutions	AP/ECON 3440 3.0: Monetary Economics II: Theory and Policy	AP/ECON 4400 3.0: Financial Economics	AP/ECON 4410 3.0: Corporate Finance
AP/ECON 1530 3.0: Introductory Mathematics for Economists I	AP/ECON 1540 3.0: Introductory Mathematics for Economists II	AP/ECON 2400 3.0: Intermediate Macroeconomic Theory I	AP/ECON 2450 3.0: Intermediate Macroeconomic Theory II			AP/ECON 4140 3.0: Financial Econometrics	
		AP/ECON 2500 3.0: Introductory Statistics for Economists I	AP/ADMS 2510 3.0: Introduction to Management Accounting				
		AP/ADMS 2500 3.0: Introduction to Financial Accounting					
Anytime in Year 1		Anytime in Year 2		Anytime in Year 3		Anytime in Year 4	
AP/ECON 1280 3.0: Principles of Risk Management and Insurance or AP/ITEC 1010 3.0: Information and Organizations				AP/ECON 3210 3.0: Use of Economic Data		9.0 credits at the 4000 level from the <b>FBEC course list</b> .	
SC/MATH 1581 3.0: Business Mathematics I				AP/ECON 3580 3.0: International Monetary Economics			
				6.0 credits at the 3000 level and 3.0 credits at any level from the <b>FBEC course list</b> .			
General Education Requirements (21 Credits in total, 6.0 in NATS, 6.0 or 9.0 in SOSOC, and 6.0 or 9.0 in HUMA)							
12.0 credits General Education courses		9.0 credits General Education courses					
<b>Anytime in Year 1 to 4: 18.0 credits Outside Major, 3.0 credits Free Choice</b>							
<p><i>Prerequisites:</i> Students are expected to have the necessary pre- or corequisites completed to enrol in any course.</p> <p>You must take and successfully complete ECON 1000 before (not after and not at the same time as) <b>ECON 1010</b>.</p> <p>You must take and successfully complete ECON 1530 before (not after and not at the same time as) <b>ECON 1540</b>.</p>		<p><i>Prerequisites:</i> You must take and successfully complete ECON 1000, ECON 1010, ECON 1530, and ECON 1540 before <b>ECON 2300</b> and <b>ECON 2400</b>.</p> <p>You must take and successfully complete ECON 2300 before <b>ECON 2350</b>.</p> <p>You must take and successfully complete ECON 2400 before <b>ECON 2450</b>.</p> <p>You must take and successfully complete ECON 1000, ECON 2500, and ADMS 2500 before <b>ADMS 2510</b>.</p>		<p><i>Prerequisites:</i> You must take and successfully complete ECON 2500 before <b>ECON 3210</b>.</p>		<p><i>Prerequisites:</i> You must take and successfully complete ECON 3210 before <b>ECON 4140</b>.</p> <p>You must take and successfully complete ECON 4400 before <b>ECON 4410</b>.</p>	

### Notes:

This is a suggested course enrollment plan. Students should use this worksheet in addition to their Degree Planning Worksheet, the University Academic Calendar, and the Degree Progress Report for degree planning.

**Honours BA (120-credit) degree program graduation requirement:** Students must successfully complete (pass) at least 120 credits that meet the Faculty's degree and program requirements with a cumulative GPA of at least 5.00 (C+).

**Upper-Level Course Requirements:** At least **36.0** credits must be at the 3000 or 4000 level, including at least **18** credits at the 4000 level.

Many students choose to take a lighter course load in their first year, typically taking fewer than 30 credits, yet manage to complete their degree in four years by enrolling in summer courses.

**Transfer and exchange students** should discuss their schedule with an academic advisor.

**Academic Advisors** can assist with questions about your program and general degree requirements as well as other issues you may be encountering (e.g., academic penalties, transfer credits, petitions, program changes, as well as degree and general education requirements). You should meet with an academic advisor at least once a year.

**Students starting in Winter term** would take their first term courses in the Winter term and their second term courses in the Summer term or in the following Fall term.

Students can enroll in the optional LA&PS Co-Op Program as early as their second year.

## Academic Advising

Do you have questions about your degree requirements, a specific course or the best way to get into a degree program? If you have any concerns about accessing the courses and services you need, academic advisors are here to help you succeed.

Students are encouraged to arrange for an advising appointment once or twice a year. It can be harmful to rely solely upon the advice of friends who may not fully understand program requirements.

**To speak with an ECON advisor, either in person or virtually, please visit [Economics | Faculty of Liberal Arts & Professional Studies \(LA&PS\)](#).**

Visit the [ECON Advising Hub](#) for collection of videos, FAQs, and infographics on important advising topics!

New students can refer to the [New Students Toolkit](#), prepared by advisors, for information on choosing and enrolling in courses, understanding program requirements, and staying on top of academics.

## Program Checklists

Checklists for three programs - Economics, Business Economics, and Financial and Business Economics – offered by the Department of Economics are available in the Economics Undergraduate Program Office (1110 Vari Hall) and [online](#) to help you select which courses you need to take and track your academic progress.

**Choose the checklist for the year you began your study.**

**These checklists do not provide official confirmation of your eligibility to graduate.**

To find out which courses you have already completed toward your degree, use the Degree Progress Report.

For more help, contact your academic advisor.

## Important Academic Information for Students

Students should carefully read the following information on academic requirements, processes, and policies important to their academic progress and performance.

### Enrolment

Undergraduate students have an [assigned date and time](#) to begin their enrolment process by using the Registration & Enrolment Module to enrol in courses for the next academic session. The date and time are listed in the Eastern Time Zone used in Toronto.

Enrolment access dates for the Fall/Winter session are made available in April on the [Registrar's Office website](#) (click "Find out when I can enrol"). Once your enrolment access begins, you will be able to use the web registration and enrolment system at any time during hours of operation.

New students are provided with details about their enrolment process once they Book/Manage their Enrolment Appointment via [MyFile](#).

[Enrolment & Registration Guide](#) contains detailed instructions on how to use the registration and enrolment system to add and/or drop courses or change sections/tutorials/labs/workshops of the same course (enrolment information), policies and procedures regarding fee payment and registration, and the refund table (financial information).

Pay close attention to **Course Credit Exclusions (CCEs)**. If your degree requirements specify that one course is required to fulfill a program requirement, you cannot enrol and use a CCE course to fulfill degree requirements. However, the Registration and Enrolment Module will not prevent enrolment in the excluded course. For more information, see Course Credit Exclusions below.

### Reserved Courses

In order to ensure fair enrolment, the Department of Economics has reserved economics courses for economics (and applicable) majors during the initial enrolment period. This allows us to ensure access for students who must enrol in their courses in order to graduate. When restrictions are lifted, non-majors can enroll in economics courses (space permitting).

Economics majors are encouraged to **NOT** miss their initial enrolment time as courses they may need to graduate could fill up once the restrictions are lifted.

### Course Load

**Fall/winter session:** A full course load is defined as 30 credits in the fall/winter session. The maximum course load allowed is 36 credits overall (and 18 credits per term) without petitioning.

**Summer session:** A full course load is defined as 15 credits in the summer session. Students may take a maximum of 18 credits overall without petitioning. It is recommended that students take their personal circumstances and academic standing into consideration before taking a course load of 18 credits in the summer session.

Students with substantial familial, financial, or other responsibilities outside the University are advised to consider taking fewer courses in a session.

## Course Conflicts

**Students should not enrol in two courses that meet on the same date and at the same time.** Students are responsible for ensuring there are no course conflicts in their timetables. The Registrar's Office [Visual Schedule Builder](#) (VSB) is an excellent online self-serve tool that helps plan your course schedule. It lets you graphically view schedule options and create a timetable based on the courses and times that work best for you. VSB arranges selected courses into conflict-free timetable options and displays them in an easy-to-read weekly schedule.

## Lecture Schedule

You can find the lecture schedule on the [York Courses Web Site](#).

Students should be aware that changes could be made to the Summer and Fall/Winter lecture schedules until classes begin. To avoid confusion, please check the York Courses Web Site for updates before the term begins.

## Course Outlines/Syllabi

Course outlines are posted on the [York Courses Web Site](#). Please note that course outlines will be made available as the Economics Undergraduate Programs Office receives them from the Course Directors. Course outlines contain important information on the course schedule, course requirements, evaluation methods, deadlines, and course policies.

## Exam Schedule

The Registrar's Office makes the [final exam schedule](#) available sometime in the middle of the term. You can search the exam schedule for all courses and plot your own personalized schedule here. It is your responsibility as a student to ensure that you are available to sit for examinations during the entire exam period for the term corresponding to your course. We strongly recommend that you do not make any travel arrangements prior to the end of the term's examination schedule.

## Exam Identification

You must present photo identification at each exam. Your YU-card is the only acceptable piece of identification for writing your exams – you will be turned away if you do not present your card. Don't have your card? Apply today.

Please follow the guidance of the exam invigilator/instructor on the placement of mobile/wearable devices during exams. See the [Exam Tip Sheet page for more information](#).

## Prerequisites/Corequisites

A prerequisite course must be successfully completed *before* (not after and not at the same time as) you can enrol in the course you wish to take.

For example, AP/ECON 2300 3.0: Intermediate Microeconomics Theory I is a prerequisite for AP/ECON2350 3.0: Intermediate Microeconomics Theory II. This means that AP/ECON 2300 must be successfully completed before AP/ECON 2350.

Prerequisite courses are often offered earlier in the academic year than the course for which they are prerequisites. For example, the prerequisite for a winter term course is often offered in the fall term. **The sequence of enrolment therefore matters:** if you are taking a prerequisite course and the course for which it is a prerequisite within the same academic session, you should add prerequisite courses to your schedule first.

A **co-requisite course** is much like a prerequisite course, except that it **can also be completed at the same time (concurrently)** as the course for which it is a prerequisite.

**Students are responsible for fulfilling published prerequisite/co-requisite requirements.** Prerequisites and co-requisites are listed in the course description and available online from the [York Courses Website](#) and in [this Handbook](#).

Students risk being **de enrolled** from courses if they do not meet the prerequisites

## Cross-Listed Courses

Many courses are **cross-listed**. This means they are offered jointly by at least two teaching units such as departments or divisions. The course is the same but is listed under different course catalog numbers for each teaching unit. In some cases, courses are cross-listed between units in two different Faculties.

Cross-listed courses cannot be “double-counted” to fulfill degree requirements. For example, **AP/ECON 3120 3.00** is cross-listed with **AP/ADMS 3351 3.00**. This means that enrolment in this course may be counted **either** as economics course **or** ADMS course, **but not as both**. To choose between cross-listed courses, enrol in the course that most closely fits your program requirements.

Cross-listings are indicated above the **Course Description** heading for a course in the York Courses Website timetable.

## Course Credit Exclusions

Course descriptions will include a list of "Course Credit Exclusions" (or CCEs). Courses listed under this heading demonstrate significant overlap in the course material such that you may not count both the listed course and the course credit exclusion for degree credit. Only one will count for credit.

If you take a course for which you have previously taken the course credit exclusion, you will be considered to have repeated the course. The first course taken will not be counted for degree credit and will be excluded from averages; the second one taken will become the grade of record.

Economics students should pay special attention to Administrative Studies (ADMS), Mathematics (MATH), and Glendon (GL) courses as many are CCEs to economics courses.

**If your degree requirements specify that one course is required to fulfill a program requirement, you cannot enrol and use a CCE course to fulfill degree requirements.**

For example, **courses offered at Glendon are not substitutes for courses offered at Keele.**

Consider, for example, that you're required to take **AP/ECON XXXX** for your degree. If instead you take the Glendon course **GL/ECON YYYY**, which is a course credit exclusion to **AP/ECON XXXX**, the **GL/ECON YYYY** course **will not** fulfill your degree requirement.

Should you have any questions about whether a course will count towards your program requirements, please do not hesitate to speak with an academic advisor.

**It is your responsibility to ensure you are taking the appropriate course(s) to fulfill your requirements for graduation.** If you have any questions, please book an advising appointment.

**Source:** [Registrar's Office Enrolment Reminders](#)

No Credit Retained (NCR) Notes are listed in course descriptions. NCR Notes outline conditions for a course in terms of credits earned. An NCR Note highlights a situation where a course

- May **not** be taken for credit or grade if another course(s) have already been successfully completed;
- Does **not** count towards satisfaction of academic degree credit requirements; and
- Is **not** included in grade point averages (major, cumulative, sessional and overall).

For example, SC/MATH 1510 6.00 has the following NCR Note: “May not be taken by any student who has taken or is currently taking another university course in mathematics or statistics including ECON 1530 3.00 and ECON 1540 3.00, except for SC/MATH 1520 3.00.” This means that **the order in which you take the courses matter**. If you take MATH 1510 before ECON 1530, you would keep the credit for both. If you take MATH 1510 at the same time as or after ECON 1530, you will not receive credit for MATH 1510 and your grade in MATH 1510 will not be included in calculating your GPA.

## Repeating Passed or Failed Courses

A passed course is one in which the student has achieved a grade of D or better. There are two failing grades in the Faculty of LA&PS: E (marginal fail) and F (failure) (The grading scheme is available [here](#). Please click on the ‘Grading/Evaluation’ tab at the top right of the page.)

1. Students are allowed to repeat a passed or a failed course **twice** for academic degree or certificate credit, for a maximum of three attempts at a course. Students should note that course availability and space considerations may preclude the possibility of repeating a course in the session they choose.
2. When a student repeats a course, the most recent grade will be the **grade of record**, and the only grade calculated in the student’s grade point average (Major, Cumulative, Sessional and Overall). A repeated course can be credited only once towards satisfaction of their academic program requirements.
3. The record of all attempts will appear on the student’s transcript, with first attempt (and second attempt, if applicable) designated as **‘No Credit Retained’ (NCR)**. The transcript legend will explain that the **NCR** designation means that neither the course credit nor grade have been included in the calculations of the student’s grade point average.
4. The restrictions regarding repeating a passed or failed course also apply to cross-listed courses and course credit exclusions. Credit will not be given for a course deemed to be exclusion with a previously or concurrently taken course.

**Course credit exclusions may not be used as substitutes to fulfil degree or program requirements unless designated as such by the relevant program.**

## Course Relief

York University allows eligible undergraduate students who have changed their program degree or major to exclude courses completed toward the prior major requirements from their Overall Cumulative GPA (OCGPA) and credit totals for their new program of study.

This policy aims to help students continue in and graduate from a new academic program. For more information, please visit the [Course Relieve](#) Policy page.

## Course Withdrawal

In the time period **after the last day to drop a course without receiving a grade for a term up until the last day of classes for the term has ended**, York University undergraduate students can still withdraw from a course. The course enrolment will remain in the University's records and on official transcripts, displayed with a "W" (Withdrawn from Course) notation.

This policy gives an option to students who are struggling in a course and/or who have become overwhelmed by their circumstances; it lets students minimize the impact on their academic standing, reduce their course load and focus on successfully completing their other courses.

## Credits Outside the Major

Students must complete a minimum of **18 credits outside their major**. None of these 18 credits can be:

- A major course
- A course cross-listed with a major course
- A course offered by the major department that is not counted towards the major
- A course outside the major department that is specified as a major requirement
- A general education course that has been used to satisfy the general education requirements. Extra general education courses will count as credits outside the major.

It is recommended that first year students take one carefully selected elective course to serve as an “escape hatch” to another field of study in the second year in case they find that majoring in Economics is not suitable and wish to change majors. Students wishing to change their majors must complete “The Change My Program Request Form” available [online](#).

## General Education Requirements

The Faculty of Liberal Arts and Professional Studies general education curriculum provides students with the foundation of interdisciplinary knowledge, breadth, methods and the approaches necessary for successful liberal arts and professional education. General Education courses approved for credit expose students to ways of knowing and fundamental ideas spanning the humanities, natural sciences and social sciences. These courses also provide explicit instruction in critical analytical skills and thought and its communication in writing and speech.

**Students must take a minimum of 21 General Education credits from the approved list of LA&PS General Education courses as follows:**

- 6.00 credits in natural science (NATS)
- 9.00 credits in either the humanities (HUMA) or social science (SOSC) categories
- 6.00 credits on the other side of the humanities and social science category divide.

## Guidelines

- It is strongly recommended that students successfully complete (pass) their first General Education course within the first 24 credits.
- **It is strongly recommended that all General Education courses are to be successfully completed (passed) within the first 48 credits.**
- **A maximum of 36 credits in General Education will count towards the degree.** Students who are required to exceed the 36-credit maximum because of program/degree requirements must obtain permission to do so from their program of study.
- You can check that the courses you're planning to take for your general education requirements are on the approved list of LA&PS general education courses on the [York Courses Webpage](#). Select "General Education Courses" from the left-hand menu, the appropriate term and your faculty (Liberal Arts & Professional Studies (AP)), your degree type, and click "Search Courses".
- General education courses are offered by many different LA&PS schools and departments. You'll be able to identify them because they will have the following notes under "General Education Details" when you search [Courses by General Education Type](#) on the York Courses Webpage:

*For Faculty of Liberal Arts and Professional Studies*

*Approved (NATS, SOSOC, HUMA) General Education Course for AP*

## Statistics + Data + Econometrics Requirements

1. ALL students must take at least one 3-credit course in statistics: AP/ECON 2500 3.0.
2. In addition to AP/ECON 2500, **Business Economics** majors must take AP/ECON 3480 3.0. ALL other students must take AP/ECON 3210 3.0.
3. **Specialized Honours BA Economics** majors must take AP/ECON 3210 3.0, AP/ECON 3500 3.0, and AP/ECON 4210 3.0 in addition to AP/ECON 2500 3.0.
4. **Specialized Honours BA Financial and Business Economics** majors must take AP/ECON 3210 3.0 and AP/ECON 4140 3.0 in addition to AP/ECON 2500 3.0

Please review your [Degree Program Checklist](#) for the list of courses required for your chosen degree program.

## Writing Requirement

1. The Honours and Specialized Honours programs in Economics require majors to take a minimum of 2 courses (total of 6 credits) that have a writing component, which are so designated by a 9 in the last digit of the course number, for example, AP/ECON 4129 3.0 and AP/ECON 3249 3.0. You should look at the [degree program checklists](#) to see if the program you are following has a writing requirement.
2. A **list of "writing" courses** is provided below in [this Handbook](#). To find out which writing courses are offered in a given semester, students must look at the [York Courses Web](#) site.

Strong writing techniques are valuable in your studies and in the workforce.

3. The [Writing Centre](#) offers students a wide variety of opportunities to improve their writing skills and ability to write effectively in a range of academic situations. The Centre's main office is located at South 311 Ross. The Centre offers one-to-one instruction, drop-in sessions, online resources, and a number of writing workshops on various issues related to writing effectively in a University environment.
4. For our international students, the [English as a Second Language Open Learning Centre](#) (ESL OLC) can help you

improve your English language skills. The Centre offers support for reading, writing, speaking and writing essays in English through individual appointments, drop-in sessions, small group sessions, and theme classes.

- The Writing Centre and ESL OLC are part of York's [Learning Commons](#). The Learning Commons brings together academic learning supports to help students with areas such as writing, library research, citing, time management, study skills, exam preparation, English language support, numeracy and math support, career planning and much more. The Learning Commons support students' academic success through on-demand and bookable services, online workshops and online tutorials, especially [SPARK](#).

**Warning:** A writing course and the non-writing equivalent course are considered to be course credit exclusions to each other. For example, students cannot get credit for both AP/ECON3249 3.0 and AP/ECON3240 3.0 towards their BA program as they are the same course. However, a non-writing course will not satisfy your writing requirement.

## Writing Courses

3199 3.0	Approaches to Global Economics	4059 3.0	History of Economic Thought I
3249 3.0	Labour Economics	4069 3.0	History of Economic Thought II
3469 3.0	Political Economy of Public Policy	4089 3.0	Research Seminar in Economics
3559 3.0	Economic Growth and Development	4129 3.0	Int.Trade Policy and Economic Integration
3569 3.0	Economic Policy in Developing Countries	4249 3.0	Advanced Labour Economics
3709 3.0	Economics of Gender	4259 3.0	Topics in Health Economics
		4279 3.0	Housing Economics
		4309 3.0	Law and Economics
		4399 3.0	Topics in Law and Economics
		4659 3.0	Topics in North American Economic History

## Honours Progression Requirement

To continue in an Honours program, students must maintain a cumulative grade point average of at least 5.00. Students whose cumulative grade point average falls below 5.00 during the course of their studies may proceed in an Honours program, on warning, provided they meet the year level progression requirements described below.

The Honours progression year level requirement is based on a student's total earned (passed) credits (York and transfer credits). Students who have completed less than 84 earned credits whose cumulative grade point average is below 5.00 may continue in Honours provided they meet the minimum year level progression requirements as follows:

Year Level	Total Earned Credits	Minimum Cumulative GPA
Year 1	0-23 earned credits	4.00
Year 2	24-53 earned credits	4.25
Year 3	54-83 earned credits	4.80
Year 4	84 earned credits or greater	5.00

**Note:** Year level is based on the number of earned credits including transfer credit.

## Residency Requirement

A minimum of 30 course credits and at least half (50 per cent) of the course credits required in each undergraduate degree program major/minor must be taken at York University.

- Major / Minor Requirements: At least HALF (50%) of each Major / Minor requirements must be taken at York University.
- The Major / Minor requirement will vary in accordance with the number of credits required by each Major / Minor.
- The minimum number of Major / Minor credits may exceed the minimum overall number depending on the program).

**Source:** Undergraduate Academic Calendar, [Faculty Rules for LA&PS](#), Faculty Requirements

## Grade Reappraisals

Students may, with **sufficient academic grounds**, request a reappraisal of a final grade in a course.

**Non-academic grounds are not relevant** for grade reappraisals; in such cases, students are advised to petition to their home Faculty. The home Faculty for the Department of Economics is the Faculty of Liberal Arts and Professional Studies (LA&PS).

Students are normally expected to **first contact the course director** to discuss the grade received and to request that their **tangible** work be reviewed. In the event that students are still not satisfied with the final grade **or** the course director is not available to review the work, students may submit in writing a formal request for a grade reappraisal to the department or unit in which the course is offered.

**Students need to be aware that a request for a grade reappraisal may result in the original grade being raised, lowered or confirmed.**

1. **Deadline:** Requests for reappraisals must be filed with the unit offering the course within 21 days of the release of the final grade in the course. The official deadline date will be posted by the Registrar's Office.
2. **Tangible (Written) Work Only:** Students may request a reappraisal only of specific pieces of work. Normally, only written work can be reassessed. For example, class participation and oral presentations are normally not eligible for re-evaluation.
3. **Reappraisal Request Forms for Economics Courses:** The form can be picked up from the Undergraduate Program Assistant at 1110A Vari Hall.

For more Information regarding Grade Reappraisals, please review the [Grade Reappraisal Principals](#).

## Academic Warnings and Penalties

Students whose academic record does not meet Faculty or program standards are subject to the academic penalties of Academic Warning, Required Withdrawal, Debarment Warning, Debarment, and Academic Probation.

### Academic Warning

Students whose cumulative grade point average falls below 4.0 at the end of any session, or who enter the Faculty with a grade point average equivalent to less than 4.0 on the York scale, receive an Academic Warning. Students on Academic Warning must achieve a cumulative grade point average of at least 4.0 within the next 24 credits taken, or earn a sessional grade point average of at least 5.0 in the session in which that 24th credit is completed and in each subsequent session

until the cumulative grade point average reaches 4.0, or be required to withdraw. Students whose cumulative grade point average on at least 24 York credits is below 2.5 will be required to withdraw for 12 months.

## Required Withdrawal

Students whose academic record shows marked weakness may be required to withdraw from their studies for twelve months, during which they are encouraged to identify and remedy any problems which may have contributed materially to their failure to perform up to their potential, and to reflect on their reasons for pursuing a university education. The following regulations apply to required withdrawals:

- **Grade point average below 2.50:** students whose cumulative grade point average on at least 24 York credits is below 2.50 must withdraw for 12 months.
- **BA students whose grade point average is below 4.00 and equal to or greater than 2.50:** students who have received an academic warning for a cumulative grade point average below 4.00 must satisfy the academic warning conditions as specified above or be required to withdraw for 12 months.

## Debarment Warning

Students who have been required to withdraw from the Faculty of Liberal Arts and Professional Studies or from another Faculty at York or elsewhere, receive a Debarment Warning upon continuing their studies in the Faculty. Students on Debarment Warning must achieve a cumulative grade point average of at least 4.0 within the next 24 credits taken or earn a sessional grade point average of at least 5.0 in the session in which the 24<sup>th</sup> credit is taken and in each subsequent session until the cumulative grade point average reaches 4.0, and must then maintain this average. Students who do not fulfill these conditions will be debarred from the University.

Students on debarment warning are allowed to complete their subsequent 24 credits without restriction.

## Debarment

Students who fail to meet the debarment warning conditions outlined above will be debarred from the University. Debarment, the minimum period for which is normally two years, means that the student is no longer a student at York University.

## Academic Probation

Students who have been debarred and who subsequently resume their studies in the Faculty of Liberal Arts and Professional Studies whether by petitioning to continue without interruption or by applying for readmission, receive an Academic Probation. Students on Academic Probation must meet the debarment warning conditions outlined above; otherwise, they will be debarred.

## Grading System

The letter-grade system is the fundamental system of assessment of performance in undergraduate programs at York University.

## Grading Scale

In courses where percentages are used as a means of reporting grades on individual pieces of work, the following conversion table is to be used in converting percentage grades to letter grades, unless alternative provisions for scaling and/or conversion are announced to students in writing within the first two weeks of classes.

From Percentage	To Letter Grade	Grade Point	Definition
90-100	A+	9	Exceptional
80-89	A	8	Excellent
75-79	B+	7	Very good
70-74	B	6	Good
65-69	C+	5	Competent
60-64	C	4	Fairly competent
55-59	D+	3	Passing
50-54	D	2	Barely passing
40-49	E	1	Marginally failing
0-39	F	0	Failing

**Note:** The Grade Point values above are used only in calculating students' Grade Point Averages, both sessional and cumulative; they are not designed to be used to calculate marks in courses.

### Calculating Your Grade Point Average

Averages are calculated based on the Grade Point value assigned to each letter grade.

A+	=	9	C	=	4
A	=	8	D+	=	3
B+	=	7	D	=	2
B	=	6	E	=	1
C+	=	5	F	=	0

To calculate an overall grade point average, take each course and multiply the number of credits by the grade point value. Add the results of this calculation and divide by the total number of credits. The result will be the overall grade point average.

**GPA calculator:** Available [here](#).

**Calculating Your Grade Point Average: The examples below are for illustrative purposes only.**

### EXAMPLES

Course	Credit Value	Grade and Points Earned	Credit x Points=Total Points	Grade Point Average
XXX 6.0	6	C+ 5	$6 \times 5 = 30$	
XXX 6.0	6	F 0	$6 \times 0 = 0$	
XXX 9.0	9	B 6	$9 \times 6 = 54$	102/24
XXX 3.0	3	B 6	$3 \times 6 = 18$	
<b>Total Credits</b>	<b>24</b>	<b>Total Points</b>	<b>102</b>	<b>4.25</b>

Course	Credit Value	Grade and Points Earned	Credit x Points=Total Points	Grade Point Average
XXX 3.0	3	C 4	3 × 4 = 12	
XXX 6.0	6	B 6	6 × 6 = 36	
XXX 9.0	9	C+ 5	9 × 5 = 45	121/22
XXX 4.0	4	B+ 7	4 × 7 = 28	
<b>Total Credits</b>	<b>22</b>	<b>Total Points</b>	<b>121</b>	<b>5.50</b>

**Note:** Grades of E and F are failures and will be included in the calculation of grade point averages.

## Graduation

If you are in the last term of your program and expect to graduate, **you must apply to graduate by the deadline**. For information about graduation application procedures, a graduation checklist, to verify your official name, a ceremony schedule, and other information about graduation, please visit the Registrar's Office [Apply to Graduate](#) website.

## Academic Petitions

It is highly recommended for students submitting a petition in the Faculty of Liberal Arts & Professional Studies to meet with an academic advisor. Students have the opportunity to petition for special consideration regarding academic regulations, as stated in the York University Undergraduate Calendar. For example, students who wish to drop a course after the institutional published deadline, must petition for late withdrawal. It should be noted that a petition is a request for the waiver of an existing regulation; it cannot be used to create a regulation (for example, a degree program that does not exist). Normally the Petitions Committee will not consider petitions more than one year beyond the date of the release of grades for the session to which the petition relates.

For information regarding petitions, visit the Faculty of Liberal Arts & Professional Studies [Academic Petitions](#) website.

## Missed Assessments Worth 20% of the Grade or Less

The [Policy on Academic Consideration for Missed Course Work](#), which came into effect on Sept. 1, 2025, allows students to self-report absences when requesting accommodation for missed course work worth 20% or less of the course grade without the requirement to submit supporting documentation. Students may submit **up to two** self-reported absence requests, each covering a maximum period of seven (7) continuous calendar days across all courses, **per 12-week term**, and **one self-reported absence request per six-week term**, without needing an attending physician's statement.

The following extenuating circumstances **qualify** for students' requests for academic consideration under this policy:

- i. A short-term health condition such as illness, physical injury, or scheduled surgery;
- ii. Bereavement of an immediate family member; and/or
- iii. An unforeseen or unavoidable incident beyond a student's control that precludes a student from meeting their academic obligations.

The following circumstances do **not qualify** for students' requests for academic consideration under this policy:

- i. Personal social obligations;
- ii. Travel unrelated to a student's academic program;
- iii. Technological issues;
- iv. Non-medical circumstances such as family or employment obligations;
- v. Ongoing physical or psychological illness or an existing disability.
  - For ongoing illness or disability, students may contact [Student Accessibility Services](#) for support.
- vi. Religious observances;
  - Students may seek accommodation under the [Policy, Guidelines and Procedures on Academic Accommodation for Students' Religious Observances](#).
- vii. Mandatory legal obligations such as jury duty;
  - Students must inform instructors immediately on notification of legal obligation and discuss alternate plans, where needed, to meet academic obligations.

Instructions on how to self-report an absence via eClass are available [here](#). **In addition**, students must communicate with instructors about options for missed academic obligations no later than two (2) business days after the end of the consideration period covered by the self-reported absence/request.

It is at the discretion of the course director to determine appropriate accommodation options for academic considerations granted under this policy, which include but are not limited to: waiver of assignment; an extension; a modified schedule for assignments, projects, labs, or placements; an alternative assignment; a re-weighting of term marks.

Where **built-in accommodations** are established for a course, the Course Director may decline providing additional accommodations under this policy. For example, if class participation is graded, but only 10 of the 12 classes count toward your course grade, the instructor may not offer further accommodations.

This policy **does not apply** to requests pertaining to:

1. Missed assessments held during the term worth more than 20% of the overall course grade. For missed midterms or assessments worth more than 20%, please refer to the [Assessments Worth More than 20% of the Grade](#) section in this Handbook.
2. Missed exams held during the formal examination period. For missed final exams, please refer to the [Deferred Standing](#) section in this Handbook.

## Missed Assessments Worth More than 20% of the Grade

When you do not or cannot write a midterm examination (that is, an exam not held during the formal examination period) or you miss any other assessment worth more than 20% of the grade, you should make alternate arrangements with your course director. Typically, midterm exams in economics courses are worth more than 20% of the final grade, and you will need to provide documented proof for any absence. **Policy regarding missed midterms can be found on your course outline** and you can speak with your course director for more information.

## Deferred Standing

Students unable to write their final exam at the scheduled time or submit their outstanding course work on the last day of the class may request deferred standing. A deferred standing is a formal arrangement with the course director, normally requiring supporting documentation. Course policy regarding deferred standing is normally available on course outlines.

For all courses offered by the Department of Economics, students must formally apply to request a deferred exam. Instructions on how to apply for deferred standing, along with the required Mach form, are available [here](#).

The Mach form must be submitted **within 7 days of the date of the missed final exam**.

### Approved Request for a Deferred Final Exam

If your deferred final exam request is approved, the department or course director will notify you via the email address you provided on the Mach form. You will then be permitted to write the final exam on an alternate date.

### Denied Request for Deferred Final Exam

If your deferred final exam request is denied, the department or course director will notify you via the email address you provided on the Mach form. You may then submit a petition for a deferred final exam via the [Academic Petitions](#) website of your home Faculty. Students in our home Faculty, the Faculty of Liberal Arts and Professional Studies, are not required to see an academic advisor before petitioning. Students must submit the petition within 14 days of the missed exam.

### Request Deferral of Final Course Work

For outstanding course work, you can reach an agreement with your course director to extend due dates before the [Faculty's deadlines](#).

## Appropriate Documentation

### Medical Circumstances

If you miss an exam due to medical circumstances and are required to submit supporting documentation (e.g., for midterm exams worth more than 20% of the course grade or final exams), you must provide an Attending Physician's Statement or a statement from a psychologist or counsellor. Student's must see a physician within 48 hours of the missed exam. The Attending Physician's Statement form found [here](#).

The physician's statement must include the following:

- i) Full name, mailing address, telephone number of the physician.
- ii) State the nature of the illness and its duration (i.e., specific dates covered).
- iii) An indication of whether the illness and/or medication prescribed would have SERIOUSLY affected the student's ability to study and perform over the period in question.

**NOTE:** The physician's office may be contacted to verify that the statement was actually completed by the Physician.

### Non-Medical Circumstances:

Exams missed due to non-medical circumstances must be supported by appropriate documentation **in English**, i.e., death certificates, obituary notice, automobile accident reports, airline/bus ticket receipt for **emergency travel** (with the date of booking on the ticket), etc. Airline/train/bus ticket/receipts for emergency travel must indicate destination, departure, and return dates. Having to work at the time of the exam or non-emergency travel **are not** considered valid excuses for missing the exam.

The manner in which the missed exam (which has been legitimately documented) is handled is at the discretion of the course director and should be outlined by the instructor within the first two weeks of the course. **If a course director does not agree to consider requests for deferred standing, students may file a petition with the relevant Faculty-level committee for consideration within the established deadline.**

# Student Rights, Responsibilities, and Resources

## Academic Honesty Policy

A central purpose of the University is to teach students to think independently and critically. Academic integrity is a commitment to six fundamental values: honesty, trust, fairness, respect, responsibility, and courage (ICAI, 2021).

York is committed to maintaining the highest standards of academic integrity in all areas of academic life, including teaching, learning, and research. Every member of our community plays a vital role in fostering these values. Conduct that violates the ethical or legal standards of the University community may result in serious consequences and could lead to severe penalties.

Students are responsible for understanding the nature and consequences of these offences as contained in the Senate [Academic Conduct Policy and Procedures](#) found in the York University Secretariat webpage.

The University's [Academic Integrity hub](#) contains information and resources, designed to enhance awareness, clarify expectations, and reinforce our collective commitment to a culture of integrity at York.

Our Faculty, the Faculty of Liberal Arts and Professional Studies (LA&PS), also offers helpful [resources](#) for practicing academic honesty.

## Code of Student Rights and Responsibilities

York University is a place of research, teaching and learning where people value civility, diversity, equity, honesty and respect in their direct and indirect interactions with one another. Freedom of expression, freedom of association, freedom to study and to learn, freedom to engage in research, and the freedom to write and to publish are all recognized as central to the mission of the institution. It is acknowledged that these values can only be meaningful, and these freedoms fully realized, in an atmosphere of safety and security. All York students have rights and responsibilities as outlined in the [Code of Student Rights and Responsibilities](#) and are expected to uphold the identified values for the benefit of the entire York community.

## First-Year Students

**Tip for Success:** Attend classes regularly and take advantage of your instructor's office hours if you need help.

## Your Guide to Student Supports at York

Built by LA&PS Colleges' peer mentors, [Your Guide to Student Supports at York](#) puts every student service and resource LA&PS students need into one easy place.

## LA&PS Peer Mentor Program

[Peer Mentors](#) are engaged and knowledgeable upper-year students from across LA&PS programs who are trained to help first year students access university resources, find friends, build confidence, and get the inside scoop on life at York.

## LS&PS First-Year Experience Program

First-year LA&PS students are automatically enrolled in the LA&PS [First-Year Experience](#) (FYE) Program's eClass site. The FYE program will guide you through your introduction to York University and support you in your development and achievements in your first year here.

## Mature and Part-Time Students:

Open to students of all Faculties, the [Atkinson Centre for Mature & Part-time Students](#) (ACMAPS) provides information, advice and support to help mature and part-time students make the most of their York experience. ACMAPS is a place where students, staff and professors can meet to share common interests and experiences.

## International Students

Many of our students are international, and we greatly value their contributions to both the academic and student life in our Department.

In addition to the many resources we offer all our students, there are resources dedicated to the needs of our international students. Explore the resources available through our Faculty are available [here](#).

[York International](#) assists all international students, as well as domestic and international students who wish to study or work abroad.

## Academic Resources

### PASS Program

[Peer-Assisted Study Sessions](#), or PASS, are a very effective way to help LA&PS students succeed in challenging courses. In these free study sessions, you'll work as a team with other students to break down complex ideas, develop smarter (and faster!) study methods, practise problem-solving, develop learning strategies and prepare for exams.

PASS sessions are offered for most economics core courses, ECON 1000, ECON 1010, ECON 1530, ECON 1540, ECON 2300, ECON 2350, and ECON 2500. Your professor will announce the schedule of the PASS session for your course in class. You can also search the schedule for the PASS sessions of all covered courses in LA&PS [here](#).

### Student Numeracy Assistance Centre at Keele

The [Student Numeracy Assistance Centre at Keele](#), or SNACK, provides support to students in LA&PS courses that involve math, stats, coding and Excel. Whether you are enrolled in finance, accounting, marketing, economics, or programming classes, this is the right place for student-friendly numeracy assistance. SNACK's goal is to help students become experts in a variety of math concepts – from basic and linear algebra, to complex statistics, tricky equations, calculus and more.

Throughout the academic year, SNACK offers drop-in peer tutoring online and in-person as well as numeracy resources and math workshops.

### Learning Commons

The [Learning Commons](#) bring together academic learning supports to help students with areas such as writing, library research, citing, time management, study skills, exam preparation, English language support, numeracy and math support, career planning and much more. The Learning Commons support students' academic success through on-demand and bookable services, online workshops and online tutorials, especially [SPARK](#).

## Writing Centre

The [Writing Centre](#) offers students a wide variety of opportunities to improve their writing skills. The goal of the instruction is to improve the student's ability to write effectively in a range of academic situations. The Centre's main office is located at South 311 Ross. The Centre offers one-to-one instruction, drop-in sessions, online resources, and a number of writing workshops on various issues related to writing effectively in a University environment.

**NOTE:** Strong writing techniques are valuable in your studies and in the workforce.

## English as a Second Language Open Learning Centre (ESL OLC)

For our international students, the [English as a Second Language Open Learning Centre](#) (ESL OLC) can help you improve your English language skills. The Centre offers support for reading, writing, speaking and writing essays in English through individual appointments, drop-in sessions, small group sessions, and theme classes.

## Learning Skills Workshops

Students concerned about successfully completing their major and required courses, are encouraged to consider the [Learning Skills Program](#) offered through the Counselling and Development Centre. Through individual consultations, group workshops and self-help exercises, students may work at improving their reading, listening, note taking, memory, time management and writing skills.

## Careers & Professional Development

### LA&PS Co-op Program

The [LA&PS Co-op Program](#) offers paid, full-time work employment for up to 20 months. As a co-op student, you will complete two work terms, rotating between study and work terms. The optional co-op program for our majors provides an opportunity to gain valuable paid work experience, develop practical skills that will make your resume stand out, and explore different career paths.

### Career Centre

Wondering how to make your degree work for you? [York's Career Centre](#) has programs and services to help you throughout your University years – from learning about career opportunities and finding jobs you want, to building career-related skills and exploring further education. The Career Centre is committed to your success. Wherever you are now and wherever you may want to go next (even if you don't know where that is), you can create your future. Visit the Career Centre in Suite 202, McLaughlin College or their [website](#) to learn about their programs and services and register for those that meet your needs.

### Ontario Internship Program

The [Ontario Internship Program](#) invests in committed, talented graduates seeking a great opportunity to start and accelerate their careers. It's a paid, two-year developmental opportunity to grow top talent while delivering important public services to the people of Ontario.

### Connections: Students and Alumni Mixers

Connections events give you the opportunity to speak with a wide range of mentors and explore career paths, ask questions and gain valuable insights into their focus areas. This event is the perfect opportunity for you to network with alumni from your program who are established professionals and seasoned experts in their fields.

Past events have welcomed presidents, CEOs, directors and entrepreneurs. Each brought a breadth of experience and knowledge from the field as well as a desire to really connect with you and offer support.

For schedule and registration, please visit the [Connections website](#).

## Work/Study Program

If you are interested in positions with the [Work/Study program](#), Leadership, Engagement, and Ambassador program (LEAP) and Research at York (RAY), you can find more information and apply [here](#).

If you are interested in becoming a PASS or SNACK leader and exploring other work-study opportunities within our Faculty, please keep an eye on the [student job openings](#) here.

## Volunteer Opportunities at LA&PS Colleges

If you are looking to give back to the LA&PS community, gain valuable leadership skills, build connections, and contribute to student life at York, you can [volunteer with LA&PS Colleges](#).

## Advancing YU

Get coaching from expert alumni working in a diverse selection of fields. [Advancing YU](#) is a unique program that will match select alumni who are achieving success in their chosen fields, with third- and fourth-year Black and/or women students for mentorship and skills development. Student will also receive financial compensation for their participation.

## Health and Wellbeing

### Student Counselling & Development

The [Student Counselling & Development](#) (SCD) offers a range of services to students at York University including personal counselling, group development workshops, learning skills training, and support for learning. Students come to SCD because of a wide range of concerns including, but not limited to: depression, anxiety, abuse, stress, self-esteem, relationship issues, eating and body image as well as issues related to sexuality.

### The Centre for Sexual Violence Response, Support & Education

The [Centre for Sexual Violence Response, Support & Education](#) is a safe place where support, confidentiality, respect, and advocacy are available for those affected by sexual violence. The Centre is the first point of contact for any supports, services and accommodations based on circumstances and needs. The Centre is located at 301 York Lanes (416-736-5211).

## Navigating your Next Steps: Graduate Programs and Certificates

### M.A. Program in Economics at York

The M.A. Program welcomes qualified graduates from York's various economic programs. All applicants must have a **four-year Honours Baccalaureate degree** with a least a **B average** in the final two years and must have successfully completed:

- one term of university level courses in **Linear Algebra, Calculus, Statistics and Econometrics** (3 credits each – half courses), such as York's undergraduate AP/ECON 1530, 1540, 2500, 3210, 3500, 3530, 4210, and 4220.
- two term courses in **Intermediate Microeconomics** and **Intermediate Macroeconomics** (6 credits each – full

courses), such as York's undergraduate AP/ECON 2300, 2350, 2400, and 2450.

Even though it is not required, **admission priority will be given to applicants who have demonstrated excellence in advanced level courses in Microeconomics and Macroeconomics** (such as York's Undergraduate AP/ECON 4020 3.0 and AP/ECON 4010 3.0).

**NOTE:** Information on the general admission requirements can be found at the [Faculty of Graduate Studies—Admissions](#). Students in their 3<sup>rd</sup> or 4<sup>th</sup> year who are interested in pursuing the graduate program in Economics at York may seek advice from the Economics Graduate Program Office, located in Room 1138VH, or by email at [gradecon@yorku.ca](mailto:gradecon@yorku.ca). For more information about the Economics Graduate Program, please visit their [web page](#).

**NOTE:** Undergraduate students may take a graduate course within their last year with permission from the Graduate and Undergraduate Program Directors. The Faculty of Graduate Studies - Letter of Permission Form is available [on-line](#).

## Chartered Financial Analyst (CFA)

The [CFA Program](#) bridges current practice, investment theory, and ethical and professional standards to provide investment analysis and portfolio management skills.

## Chartered Professional Accountants of Ontario (CPA)

Students interested in a career in chartered accountancy should obtain the list of required courses from the [Ontario Institute of Chartered Professional Accountants](#).

## Department Awards and Scholarships

The **Annie Kaplansky Award** is available to students who are majoring in Economics (Keele Campus) who have completed their first year of study (a minimum of 30 credits). All applicants must have achieved a minimum of B (6.0) from their first 30 credits to be considered for this award. Recipients must be Canadian Citizens/Permanent Residents, or protected persons, residents of Ontario and demonstrate financial need. This award has been established to honour Annie Kaplansky and her personal commitment to hard work and achievement of excellence. To be considered for this award, students must [complete a Student Financial Profile](#) by the published deadline.

The **Chris Sloan Prize** awarded based on academic achievement and contribution to the Department of Economics. It is open to students both in the Undergraduate and Graduate Programs. This prize was established in the memory of Chris Sloan, Administrative Assistant in the Department of Economics from 1969 – 1987. The recipient of this Award will be selected by the Department of Economics and awarded sometime in the Fall Term. Please note that the prize may not be awarded every year.

The **Edward A. Beder Memorial Scholarship** are two scholarships awarded annually to the Faculty of Liberal Arts and Professional Studies students – one to a student majoring in economics and the other to a student majoring in political science. Both students must be entering the third- or fourth year of their program. To be considered for this award students must [complete a Student Financial Profile](#) by the Fall published deadline.

The **George Doxey Award** awarded to students who are majoring in an economics program offered at the Keele Campus. Recipients must be Canadian citizens/permanent residence or protected persons, residents of Ontario and demonstrate financial need. This award was established in honour of George Doxey, the founding Chair of the Department of Economics and the former Master of McLaughlin College. To be considered for this award, students must [complete a Student Financial Profile](#) by the Fall published deadline.

The **Stanley L. Warner Memorial Prize** is awarded to the student submitting the best essay in fulfilment of the writing requirement of the economics degree. This award was established in memory of Stanley L. Warner, Professor of statistics and economics, to celebrate his many contributions (an application is not required).

The **Tait Montague Book Prize** is awarded each year to the Economics student who has achieved the highest standing in the Economics 1000 3.0/1010 3.0 Principles courses (an application is not required).

The **William Jaffe Book Prize** is awarded to an economics major who has achieved the highest standing in both Economics 4059 3.0/4069 3.0 History of Economic Thought I & II (an application is not required).

The **William Pearson Scott Scholarship** is awarded annually to an outstanding student in Economics or Political Science who is entering either the fourth year of an honours program or the first year of a graduate program (an application is not required).

The **John Robinson Award in Economics** is awarded to an undergraduate student majoring in Economics in the Faculty of Liberal Arts and Professional Studies who has completed at least 48 credits within a minimum cumulative grade point average of “B” (6.00). Preference may be given to a student who is currently enrolled in Public Finance course. Recipients must be Canadian citizens, permanent residents or protected person, residents of Ontario and demonstrate financial need. To be considered for this award, students must submit a student financial profile available [here](#). Students with disabilities have the option of submitting a paper application. Paper copies of the application are available at any of the disabilities service providers on campus.

The **Malcom Streete Bursary** is an award that will be given to a student entering the Faculty of Liberal Arts and Professional Studies from Oakwood Collegiate High School or a high school in Jane-Finch or Regent Park communities. To be eligible, a student must enrol in at least 24 credits, demonstrate financial need, have been involved in their community and declare an interest in studying in the social sciences (including anthropology, economics, human geography, political science or sociology). Recipients must be Canadian citizens, permanent residents or protected person, residents of Ontario and demonstrate financial need. Preference will be given to students with demonstrated involvement in the African or Caribbean community. **The recipient is chosen by the Office of the Associate Dean, Students – The Faculty of Liberal Arts and Professional Studies.**

The **Ron Bordessa Prize** is awarded to a Liberal Arts and Professional Studies student with the best academic performance among those who have completed at least 36 credits with a minimum cumulative grade point average of 7.0 (B+) and who is majoring in an area of the social sciences: political science, sociology, interdisciplinary social science, Race, Ethnicity and Indigeneity, social work or economics. In making the selection, a student’s special needs or circumstances may be taken into consideration. Established in honour of Ron Bordessa, Professor of Geography and Urban Studies, who served as Dean of Atkinson for two terms. **The recipient is chosen by the Office of the Associate Dean, Students – The Faculty of Liberal Arts and Professional Studies.**

The **Tony Elias Jr., B.A. Memorial Award** is awarded to a student pursuing a Bachelor of Liberal Arts & Professional Studies with a major in economics. Applicants must be enrolled in third year and beyond, have a minimum cumulative grade point average of 6.0 (B), be Canadian citizens, permanent residents or protected person, be Ontario residents and be in financial need. A student may only receive this award once. This award was named in honour of Tony Elias Jr., a former graduate of York. **The recipient is chosen by the Office of Student Financial Services.**

For further information, on these and other awards, undergraduate bursaries, scholarships and prizes, please visit [Student Financial Services Centre website](#).

## Relevant York Websites

<a href="#">Department of Economics Webpage</a>	<a href="#">Faculty of Liberal Arts &amp; Professional Studies (LA&amp;PS)</a>
<a href="#">Economics Students' Association</a>	<a href="#">York International</a>
<a href="#">Academic Calendars   Registrar's Office   York University</a>	<a href="#">Undergraduate Sessional Dates</a>
<a href="#">Registrar's Office</a>	<a href="#">Change My Program Request Form</a>
<a href="#">LA&amp;PS Undergraduate Academic Petitions</a>	<a href="#">Convocation @ York University</a>
<a href="#">Student Rights &amp; Responsibilities</a>	<a href="#">Academic Honesty</a>
<a href="#">Career Centre</a>	<a href="#">Student Financial Services</a>
<a href="#">Counselling, Health &amp; Well-being</a>	

## How to University

You have updated your course schedule – now update your study habits

### **Enjoy the independence.**

#### **Accept the responsibility.**

At university you have a lot more freedom and independence than you had in high school. Whether you are keeping up with class, whether you have the textbook ready, whether you hand in your assignments, essays, and projects in time – it is all up to you. All of these are your responsibility now. You are in the driver's seat!

### **University courses move fast. Keep up.**

A high school course in ON includes 110 contact hours between students and teachers over approx. 90 school days. A university course at York includes 34 contact hours between students and instructors over 12 or 24 lecture days, depending on whether the class meets once or twice a week. Yet, university courses cover *more* material. How does this work? At university, students complete *much more* work independently outside of class.

### **Learning is difficult.**

#### **With effort will come mastery.**

Learning means building new neural pathways in your brain. This *is* difficult work. Human brains, unlike computers, cannot save and recall new information instantaneously after one exposure. Human brains require reviews, practice, failing, forgetting, and trying again to learn a new skill and retain information. Be patient. Focus on the effort you put in. Success comes through steady practice.

### **Turn off WiFi. Turn off your phone.**

You cannot remember a theorem from last week's class and you want to quickly look it up online? Don't. It undermines your learning. Without the effort of *trying* to remember, your brain does not build new neural pathways – and you won't learn. Your instructor does not make sense, and a quick chat with a friend would be good? Don't. It disrupts your learning. Without deep focus and without the hard work of engaging with challenges, your neural pathways are not activated – and you won't learn. Your phone, the internet are powerful inventions – and powerful distractors. Don't

let them distract you from learning and from graduating.

### **Show up. On time. Every time**

In class, you interact with peers and instructors. You only have 34 of such contact hours per 3-credit course. Use them! **Show up for every class and arrive 5 minutes early.** It's professional courtesy. Sitting down in the classroom before class starts means you are ready to learn. Racing to the classroom means you are flushed with adrenaline – and not ready to learn. Don't be the student who regularly disrupts class. Leave 10 minutes before you have to.

### **Learn the terminology. Learn the notation.**

To graduate, you must develop subject area expertise. To develop subject area expertise, you must master your subject's language and its formal notation – through practice, practice, and practice. Embrace terminology and notation. If you try to use it, you may make a mistake and learn from it. If you don't use it, you won't learn.

### **Don't fear making mistakes.**

#### **Fear not trying enough.**

Mistakes are a natural part of learning. It's the feedback mechanism through which our brain tests and corrects its understanding of new material and new skills. Our brains learn best when we try something out and see what happens – even if what happens is not what we meant to happen. The sooner and the more you try out new concepts, skills, approaches, the sooner you make mistakes – and the sooner you learn. The only mistake you can make is not making enough mistakes.

### **Practice. Review. Revise. Forget. Repeat.**

Maintaining knowledge and skills within the neural pathways of our brains is costly. Our bodies burn metabolic energy to do so. Pathways that are not used, are abandoned. That's why we forget (even if computers don't). When we relearn forgotten facts or skills, the pathways are rebuilt. Indeed, they are rebuilt stronger. The brain also maintains them for longer before abandoning them. That's why we remember things years later after we used them a lot. Forgetting is part of learning. Embrace the forgetting. Plan your study time to allow some forgetting. Then relearn. Repeat.

**Resources are available. Use them.**

Instructors offer practice questions, office hours, review materials. York offers peer-assisted study sessions, the numeracy and writing centers, and mental health services. These services were created for students like *you!* **Use them early and often.**

**Prepare for every class.**

Prepare any assigned reading a *day before* the class for which it is assigned. Take notes on the reading, even if it does not make sense. Review last class' notes *before* the next class, e.g., while you wait in the classroom for the next class to start. This preparation and review prepare your brain for learning, make it easier to pay attention, and let you link new content to old material. You will master all material more efficiently.

**Take notes that embroil.**

Listing to your instructor and taking notes activate different brain regions. Writing in your own words, by hand, yields the most brain activation – and the most learning. Good notes **e**mphasize key concepts in your own words and **m**ark important parts. They reflect all the things your instructor writes on the **b**oard, **r**epeats, **s**ays may be **o**n the test or are important, and include all **l**ists your instructor presents. Lastly, they leave a broad edge for future annotations and comments. Try different note-taking methods, e.g., the outline method or Cornell notes, and find which works best for you

**Learning is the target, graduation the prize.**

In archery they say “Keep your eyes on the prize and you will miss the target. Keep your eyes on the target, and you will hit the target, and win the prize.” The target in all your courses is learning; a good grade (or passing) is the prize. To succeed and win the prize, keep your eyes on the target.

**Practice mindfully. Use active recall.**

How much *can you recall without looking at your notes?* Find out each week for every course and track your progress. Use your study time to practice what you don't know, to break problems into solvable steps, and **ask for help asap whenever you are stuck.** Yes, familiar material feels accomplished and new material feels challenging and frustrating. Do you want to feel good now or do you want to achieve mastery and pass the course?

**Learn to write. Write to learn.**

At times, you write to convince or inform others. The ability to do so, is highly valuable. At York, we will help you develop these skills. First, though, write for yourself. Paper can hold many more ideas than our brain can. Use writing to expand your ideas, to think out loud, to find the best possible argument. When writing for yourself, write in any language you like, feel free to ignore spelling and grammar. Write for an audience of one: You.

**Spend twice as much time outside of class as in class – for every course.**

Succeeding in 5 courses *is* a full-time job. It takes 40h focused time *every week* – 8h per course. An average student who puts in this time will earn an average grade, typically a C+. You are less prepared than the average or want a better grade? Put in more time.

**Frequent small efforts work best.**

Attending class and taking notes are the most effective way to learn. Yet: We forget 50% of what we learn within 24 hours, most within a week. To avoid relearning everything, do practice questions, **review and annotate your notes within 48 hours after class.** It is easier to return to 100% understanding from a 50% baseline. The second time around, forgetting will be slower. It will be even slower after the third and each subsequent round of learning.

**Be professional and courteous.**

The campus, the classrooms, the library – these are everyone's workplace. Your instructors work here to teach. Your peers work here to learn. Questions in the classroom, emails with your instructors are all forms of professional interactions. Treat them as such. Be courteous and respectful.

**Connect. IRL. With peers and mentors.**

At York, you have joined the academic community and are adjusting. You need to master many new skills. This will be a journey of challenges and of growth! Remember: You don't need to travel alone. In all your classes, students are looking to connect with someone. Say “Hi!” to the person sitting next to you and introduce yourself. (Yes, IRL like a boomer.) Form study groups. Stop by office hours to connect with instructors. Meet regularly with your academic advisor. Your journey will be more enjoyable with mentors and peers to travel with!

## Undergraduate Course Descriptions

### AP/ECON1000 3.00 INTRODUCTION TO MICROECONOMICS

Introduces the principles and methods of economics with emphasis on microeconomic theory. Topics include general and basic concepts of demand and supply, utility analysis and demand, production and costs, pricing in competitive and monopolistic markets, and government regulation.

**Note:** Successful completion of this course, together with AP/ECON 1010 3.00, is required for all students who intend to pursue additional courses in economics at the 2000, 3000, and 4000 level and in order to pursue degree studies in economics, business economics, and financial and business economics.

**Course credit exclusions:** GL/ECON 2500 3.00 (prior to Fall 2014), SB/INTL 1200 3.00.

**Note:** Acceptable course substitutes are available in the Calendar.

### AP/ECON1010 3.00 INTRODUCTION TO MACROECONOMICS

Introduces macroeconomics principles for making smart choices as consumers, businesspeople, investors and informed citizens judging government policies. Focuses on performance of market economies – measured by GDP growth, unemployment, inflation – and roles for government monetary and fiscal policies. Other topics include business cycles, money and the Bank of Canada, exchange rates, government deficits, national debt, globalization and trade policy.

**Prerequisite:** AP/ECON 1000 3.00 or equivalent.

**Course credit exclusions:** GL/ECON 2510 3.00 (prior to Fall 2014), SB/INTL 1210 3.00.

**Note:** Acceptable course substitutes are available in the Calendar.

### AP/ECON1280 3.00 PRINCIPLES OF RISK MANAGEMENT AND INSURANCE

This course deals with the notion of risk and the ways to manage it, by exploring the general framework of risk management for businesses, individuals and societies, and by focusing on the role of insurance as a risk transfer mechanism. More specifically, the course categorizes and studies those risks that are associated with financial markets (liquidity risk, pricing risk, credit risk, among other financial risks) as well as those risks

that arise from operations of an enterprise, regulations, digital transformation, the impacts of the environment or a catastrophe (among other non-financial risks). Also, the course examines in detail the various aspects of the insurance mechanism as a route to manage some of the aforementioned risks. The course combines classical lectures with biweekly presentations by visiting risk professionals, thus immersing the students into theory and practice of modern risk management.

**Prerequisites:** None

### AP/ECON1520 3.00 FOUNDATIONS OF MATHEMATICAL ANALYSIS IN ECONOMICS

This course introduces a range of foundational analytical tools required in economics. The discussion of each such tool is anchored in economic applications. The course develops students' critical thinking and learning-to-learn skills. It prepares students for mastering the technical tools economists need, and which are taught in ECON 1530 and ECON 1540.

**Notes:** This course may not be taken by any student who has taken or is currently taking another university course in mathematics or statistics including ECON 1530 3.00 and ECON 1540 3.00. This course prepares students to take ECON 1530.

### AP/ECON1530 3.00 INTRODUCTORY MATHEMATICAL ECONOMICS I

This course presents and analyzes a sequence of basic ideas, topics and problems arising in Economics. For each idea/topic/problem relevant mathematical ideas and techniques are recalled and/or derived so as to provide a deeper understanding of the Economic issue and how it can be resolved, if necessary. The notion of Quantity Demanded is first addressed by expressing quantity demanded as a linear function of price where both the slope and intercept embed important Economics ideas. This sequence leads naturally to the notion of Revenue (the product of quantity demanded and price) where nonlinear functions are analyzed using mathematical techniques that include derivatives. This sequence culminates with notions of prices that maximize revenue subject to a given demand function. A large number of such topic sequences involving univariate functions are examined.

**Prerequisite:** Grade 12U Advanced Functions or equivalent.

**Prerequisites/Co-requisites:** AP/ECON 1000 3.00 or AP/ECON 1010 3.00, or equivalent. Strongly

recommended completion: high-school calculus or equivalent.

**No Credit Retained (NCR) NOTE:** SC/MATH 1510 6.00 and/or SC/MATH 1520 6.00 may not be taken by any students who has passed or is currently enrolled in another university course in mathematics or statistics including AP/ECON 1530 3.00 and AP/ECON 1540 3.00.

**Course credit exclusions:** SC/MATH 1013 3.00, SC/MATH 1300 3.00, SC/MATH 1505 6.00, SC/MATH 1513 6.00, SC/MATH 1530 3.00, SC/MATH 1550 6.00, GL/MATH 1930 3.00, GL/MODR 1930 3.00.

**Note:** Acceptable course substitutes are available in the Calendar.

### **AP/ECON1540 3.00 INTRODUCTORY MATHEMATICAL ECONOMICS II**

This course extends the analysis of basic Economics ideas, topics and problems begun in AP/ECON 1530 3.00. Again, relevant mathematical ideas and techniques are recalled and/or derived so as to provide a deeper understanding of Economic issues and how they can be resolved. The issues and problems covered require functions of more than one variable for their resolution. The notion of Quantity Supplied is combined with the notion of Quantity Demanded and notions of Market Equilibrium are introduced and discussed. Equilibria are evaluated through the introduction of mathematical notions and properties of systems of equations, eventually in matrix form. A deeper understanding of theories of demand (supply) and the foundations of demand (supply) functions is developed through the introduction of mathematical notions of unconstrained and constrained optimization and linear and nonlinear programming. As in AP/ECON 1530 3.00, many topics and issues are addressed and problem framing and problem solving abilities are enhanced.

**Prerequisite:** AP/ECON 1530 3.00 or equivalent.

**Prerequisites/Co-requisites:** AP/ECON 1000 3.00 or AP/ECON 1010 3.00, or equivalent.

**No Credit Retained (NCR) Note:** Students who have successfully completed or who are currently enrolled in SC/MATH 1021 3.00, SC/MATH 1025 3.00, or SC/MATH 2221 3.00. SC/MATH 1510 6.00 and SC/MATH 1520 3.00 may not be taken by any students who has passed or is currently taking AP/ECON 1540 3.00.

**Course credit exclusions:** SC/MATH 1505 6.00, SC/MATH 1540 3.00, SC/MATH 1550 6.00, GL/MATH 2650 3.00, GL/MODR 2650 3.00.

**Note:** Acceptable course substitutes are available in the Calendar.

### **AP/ECON2300 3.00 INTERMEDIATE MICROECONOMIC THEORY I**

Studies how individuals, households, and firms make decisions given the incentives and constraints of their economic environment. Topics include consumer decision-making, production and costs, competitive equilibrium, and the role of prices in a market economy.

**Prerequisites:** AP/ECON 1000 3.00, AP/ECON 1010 3.00, and AP/ECON 1530 3.00, or equivalents.

**Prerequisite/Corequisite:** AP/ECON 1540 3.00.

**PRIOR TO FALL 2014: Course credit exclusion:** GL/ECON 3230 6.00.

### **AP/ECON2350 3.00 INTERMEDIATE MICROECONOMIC THEORY II**

Applies the analytical tools from AP/ECON 2300 3.00 to analyze resource allocation in imperfectly competitive markets and factor pricing in alternative market structures. Considers basic concepts of general equilibrium and welfare economics.

**Prerequisites:** AP/ECON 2300 3.00 or equivalent.

**PRIOR TO FALL 2014:** Course credit exclusion: GL/ECON 3230 6.00.

### **AP/ECON2400 3.00 INTERMEDIATE MACROECONOMIC THEORY I**

Equips students with the basic tools for analyzing short-run and long-run macroeconomic phenomena in a closed economy. Topics include aggregate demand and supply, consumption and investment behaviour, demand for money, government stabilization policy, and fiscal issues.

**Prerequisites:** AP/ECON 1000 3.00, AP/ECON 1010 3.00, and AP/ECON 1530 3.00, or equivalents.

**Prerequisites/Co-requisites:** AP/ECON 1540 3.00.

**Course Credit Exclusions:** GL/ECON 3240 6.00 (prior to Fall 2014), SB/ECON 2000 3.00.

**Note:** Acceptable course substitutes are available in the Calendar.

### **AP/ECON2450 3.00 INTERMEDIATE MACROECONOMIC THEORY II**

Applies the analytical tools from AP/ECON 2400 3.00 to analyze the problems of inflation, unemployment, and government deficits, focusing on the role of expectations. Introduces open economy issues under fixed and flexible exchange rates.

**Prerequisites:** AP/ECON 2400 3.00 or equivalent.

**Course Credit Exclusions:** GL/ECON 3240 6.00 (prior to Fall 2014), SB/ECON 2000 3.00.

**Note:** Acceptable course substitutes are available in the Calendar.

### **AP/ECON2500 3.00 INTRODUCTORY STATISTICS FOR ECONOMISTS I**

An introduction to statistical techniques. Topics covered include descriptive statistics and frequency distributions, measures of location and dispersion, random variables, sampling distributions, probability theory and mathematical expectations, the normal distribution, correlation, and the design and interpretation of hypothesis tests.

**Prerequisites:** Grade 12U Advanced Functions or equivalent.

**Course Credit Exclusions:** AP/ADMS 2320 3.00, AP/POLS 3300 6.00, AP/SOCI 3030 6.00, ES/ENVS 2009 6.00, GL/MATH/MODR 1610 3.00, GL/POLS/SOCI 2610 3.00, GL/PSYC 2530 3.00, HH/KINE 2050 3.00, HH/PSYC 2020 6.00, HH/PSYC 2021 3.00, SC/BIOL 2060 3.00, SC/MATH 2500 3.00, SC/MATH 2560 3.00, SC/MATH 2565 3.00.

**Note 1:** Acceptable course substitutes are available in the Calendar.

**Note 2:** students who have taken SC/MATH 1131 3.00 may not take AP/ECON 2500 3.00.

### **AP/ECON3120 3.00 OPERATIONS MANAGEMENT (cross-listed to: AP/ADMS 3351 3.00)**

Management of operations in today's business environment usually involves mathematical and statistical modeling. This course provides a working understanding of the operations management models and techniques such as process analysis, quality management, aggregate planning, inventory control, and material requirements planning.

**Prerequisite:** AP/ADMS 2320 3.00.

**PRIOR TO FALL 2009: Prerequisite:** AK/ADMS 2320 3.00, AK/ADMS 3320 3.00 (prior to Summer 2005).

**Course Credit Exclusions:** AK/ADMS 3351 3.00.

### **AP/ECON3130 3.00 SAMPLING TECHNIQUES AND SURVEY DESIGN (cross-listed to: AP/ADMS 3352 3.00)**

This course deals with different sampling techniques and their applications to management problems. Survey design, pilot surveys, use of focus groups, in-person interviews, mail surveys and polling, will also be dealt with.

**Prerequisite:** AP/ECON 2500 3.00 or AP/ADMS 2320 3.00, or, for students with equivalent preparation, permission of the coordinator.

**Course Credit Exclusion:** None.

**PRIOR TO FALL 2009: Prerequisite:** AK/ECON 3470 3.00 or AK/ADMS 2320 3.00 or AK/ADMS 3320 3.00 (prior to Summer 2005), or, for students with equivalent preparation, permission of the coordinator.  
**Course credit exclusion:** AK/ADMS 3352 3.00.

### **AP/ECON3150 3.00 INTERNATIONAL TRADE**

Studies the microeconomic aspects of international trade, tracing its historical development from the theory of comparative costs to the theory of customs unions and tariffs. Topics include trade patterns, trade barriers and free trade versus protectionism, economic growth and development in the international economy, and international institutions.

**Prerequisites:** AP/ECON 1000 3.00 and AP/ECON 1010 3.00 or equivalents.

**Course Credit Exclusion:** GL/ECON 4290 6.00.

### **AP/ECON3199 3.00 (Writing) APPROACHES TO GLOBAL ECONOMICS**

Explores approaches to the global economy, emphasizing structural and policy-related aspects.

**Prerequisites:** AP/ECON 1000 3.00, AP/ECON 1010 3.00

**Course Credit Exclusions:** AP/ECON 3190 3.00, AP/POLS 3270 3.00, AP/POLS 3275 3.00.

### **AP/ECON3200 3.00 INDUSTRIAL ORGANIZATION**

Studies the non-strategic and strategic behaviour of firms and industrial organizations under different markets structures, with emphasis on imperfectly competitive markets. Topics include pricing and non-pricing strategies, vertical and horizontal restraints, entry deterrence, advertising, investment, and innovation.

**Prerequisites:** AP/ECON 1000 3.00 or equivalent.

**Course Credit Exclusions:** GL/ECON 3370 3.00.

### **AP/ECON3210 3.00 USE OF ECONOMIC DATA**

Introduces the theory and practice of empirical analysis of economic models. Develops tools to estimate economic relationships involving two or more variables and to test their significance. Relies on the use of Canadian data sets and statistical software packages to show how linear regression analysis is applied.

**Prerequisites:** AP/ECON 2500 3.00.

**NCR:** students who have successfully completed or who are currently enrolled in AP/ECON 4210 3.00.

**Course Credit Exclusions:** HH/PSYC 3030 6.00, SC/MATH 3330 3.00.

**Note:** Acceptable course substitutes are available in the Calendar.

### **AP/ECON3230 3.00 URBAN ECONOMICS**

Examines the economic performance of urban areas and applies economic theory to study contemporary metropolitan problems such as poverty and welfare, housing and land, transportation and traffic, and pollution and the urban environment. Considers theories of location to understand the existence and location of cities and the spatial distribution of alternative activities within cities.

**Prerequisite:** AP/ECON 1000 3.00 or equivalent.

**Course Credit Exclusions:** GL/ECON 3320 3.00.

### **AP/ECON3240/3249 3.00 (Writing) LABOUR ECONOMICS**

Applies economic theory to labour markets. Topics include labour force participation, hours of work, investment in education and training, worker mobility, demand for and supply of labour, the effects of market structure on wages and employment, and theories of trade unions and collective bargaining.

**Prerequisites:** AP/ECON 1000 3.00 and AP/ECON 1010 3.00 or equivalents.

**Course Credit Exclusions:** AP/ECON 3249 3.00 is a course credit exclusion to AP/ECON 3240 3.0, and vice versa; GL/ECON 3540 3.00.

### **AP/ECON3310 3.00 INTRODUCTION TO GAME THEORY AND STRATEGIC THINKING**

This is an introductory course on game theory and strategic thinking. It introduces cooperative and non-cooperative game-theoretic concepts that are essential in real-life applications such as designing contracts, developing investment strategies, or conducting negotiations. These concepts serve as a foundation for more advanced game theory courses. Students will gain hands-on experience by participating in simulations and games against their peers.

**Prerequisite:** AP/ECON1000 3.00 Introduction to Microeconomics or equivalent.

### **AP/ECON3340 3.00 ENVIRONMENTAL ECONOMICS**

Applies the techniques of analytical economics to the study of environmental issues. Topics include externalities and the cost of environmental pollution, public goods, property rights, direct and indirect costs and benefits of abatement schemes, public regulation, and environmental policies in Canada.

**Prerequisites:** AP/ECON 1000 3.00 or equivalent.

### **AP/ECON3350 3.00 ECONOMIC THEORIES OF ENTREPRENEURSHIP**

Covers materials on various economic theories of entrepreneurship, as well as sociological, psychological and cultural theories. Includes case studies of entrepreneurship in various countries, including Asia Pacific countries, as well as Socialist economies in transition.

**Prerequisites:** AP/ECON 1000 3.00 or AP/ECON 1010 3.00, or equivalent.

**Course Credit Exclusions:** None.

**PRIOR TO FALL 2009: Course credit exclusion:** AS/ECON 3350 3.00.

### **AP/ECON 3411 3.00 MANAGERIAL ECONOMICS AND STRATEGY**

Introduces students to the economic concepts and frameworks which the general manager can use to formulate, analyze, and implement strategy. Covers issues pertaining to firms boundaries, the economics of the make-versus-buy decisions, the transaction costs of market exchange, and diversification. Additional topics include the theories of competitive strategy such as market and entry strategies and strategic positioning and dynamics.

**Prerequisites:** AP/ECON1000 3.00, AP/ECON 1530 3.00, AP/ECON 2500 3.00.

### **AP/ECON3430 3.00 MONETARY ECONOMICS: FINANCIAL MARKETS AND INSTITUTIONS**

Studies the principal financial institutions and markets in the Canadian economy. Analyzes the economic function, regulation, and operational features of these institutions and markets. Considers the corresponding institutions and markets in other countries.

**Prerequisites:** AP/ECON 1000 3.00 and AP/ECON 1010 3.00 or equivalents.

**Course Credit Exclusions:** GL/ECON 3380 3.00.

### **AP/ECON 3440 3.00 MONETARY ECONOMICS: THEORY AND POLICY**

Studies the central bank and its use of monetary theory to control growth and fluctuations in the Canadian economy through the chartered banking system. Considers links between Canada's financial system and the international financial system, with particular emphasis on the restraining influence of international financial requirements on the attainment of national goals.

**Prerequisites:** AP/ECON 1000 3.00 and AP/ECON 1010 3.00 or equivalents.

**Course Credit Exclusion:** GL/ECON 3390 3.00.

**AP/ECON3469 3.00 (Writing) POLITICAL ECONOMY OF PUBLIC POLICY (cross-listed to: AP/PPAS 3480 3.00)**

Examines how and why real world public policies differ from optimal policies prescribed by neoclassical economic theory. Incorporates models of political representation to different frameworks for studying issues in the areas of fiscal, monetary and trade policies, and special topics in government regulation.

**Prerequisites:** AP/ECON 1000 3.00 and AP/ECON 1010 3.00 or equivalents.

**AP/ECON 3473 3.00 GLOBAL BUSINESS ECONOMICS**

Deals with international business decision-making and includes concepts of international trade and finance, strategy, marketing, and the international “rules of the road” that are the responsibility of such organizations as the WTO and IMF. Brings together insights from economics, strategy, and finance to address the challenges of international business economics, including the theory of transactions costs applied to global outsourcing.

**Prerequisite:** AP/ECON 2400 3.00 or equivalent.

**AP/ECON 3480 3.00 INTRODUCTORY STATISTICS FOR ECONOMISTS II**

Extends hypothesis testing and point and interval estimation to variance and differences between means and proportions. Introduces special distributions and non-parametric tests. Covers simple and multiple regression analysis and forecasting.

**Prerequisite:** P/ECON 2500 3.00 or equivalent.

**Course Credit Exclusions:** GL/MATH 620 3.00, GL/MODR 1620 3.00, SC/MATH 2570 3.00, AP/POLS 3300 6.00, GL/POLS 2620 3.00, GL/SOCI 2620 3.00, GL/PSYC 2530 3.00, HH/PSYC 2020 6.00, HH/PSYC 2022 3.00, AP/SOCI 3030 6.00.

**Note:** Acceptable course substitutes are available in the Calendar.

**AP/ECON3500 3.00 INTRODUCTORY MATHEMATICAL STATISTICS FOR ECONOMISTS**

An introduction to mathematical statistical analysis. Includes distributions of random variables and of functions of random variables, conditional probability, independence, special distributions, moment-generating functions, the central limit theorem, estimation and hypothesis testing.

**Prerequisites:** AP/ECON 1530 3.00, AP/ECON 1540 3.00, and AP/ECON 2500 3.00.

**Course Credit Exclusions:** GL/ECON 3670 3.00, GL/MODR 3670 3.00, SC/MATH 2030 3.00.

**AP/ECON3510 3.00 HEALTH ECONOMICS**

Examines the determinants of supply and demand in the health services industry and the causes of medical cost inflation. Introduces economic models of physician and hospital behaviour and uses case studies to consider the influence of health insurance, reimbursement schemes, and practitioners' discretion on the delivery system.

**Prerequisite:** AP/ECON 1000 3.00 or equivalent. AP/ECON 3510 3.00 is based on AK/ECON 3510 3.00.

**AP/ECON3530 3.00 INTERMEDIATE MATHEMATICS FOR ECONOMISTS**

Develops and demonstrates the mathematics commonly used in the analysis of static economic models. Topics range from concavity and convexity to constrained optimization and comparative static analysis including the implicit function and envelope theorems.

**Prerequisites:** AP/ECON 1530 3.00 and AP/ECON 1540 3.00 or equivalents.

**AP/ECON3550/3559 3.00 (Writing) ECONOMIC GROWTH AND DEVELOPMENT**

Studies the economic problems of poor countries and poor communities. Explores the meaning of development by considering the characteristics of economic underdevelopment, poverty, income and wealth distribution, rural versus urban development, population growth, and unemployment and migration. Additional topics include theories of development, growth and technological change, strategies for environmentally sustainable development, education, and health.

**Prerequisites:** AP/ECON 1000 3.00 and AP/ECON 1010 3.00 or equivalents.

**Course Credit Exclusions:** GL/ECON 3920 3.00; AP/ECON 3559 3.00 is a course credit exclusion to AP/ECON 3550 3.0, and vice versa.

**AP/ECON3560/3569 3.0 (Writing) ECONOMIC POLICY IN DEVELOPING COUNTRIES (cross-listed to: AP/PPAS 3560/9 3.0)**

Examines policy issues arising from development planning. Topics include agriculture versus industry, international trade, monetary and fiscal policies, foreign investment, foreign aid and self-reliance, and

global issues.

**Prerequisites:** AP/ECON 1000 3.00 and AP/ECON 1010 3.00 or equivalents.

**Course Credit Exclusions:** AP/PPAS 3569 3.00; AP/ECON 3560 3.00 is a course credit exclusion to AP/ECON 3569 3.00, and vice versa.

**PRIOR TO FALL 2009: Course credit exclusions:** AK/ECON 3560 3.00, AS/ECON 3320 3.00, AK/PPAS 3560 3.00.

### **AP/ECON3580 3.00 INTERNATIONAL MONETARY ECONOMICS**

Introduces students to international monetary economics. Topics include the exchange rate and exchange rate regimes, the automatic adjustment process, open economy macroeconomics and policy, international financial markets, and economic integration.

**Prerequisites:** AP/ECON 1000 3.00 and AP/ECON 1010 3.00 or equivalents.

### **AP/ECON3620 3.00 ECONOMICS OF UNEMPLOYMENT**

Studies the post-war unemployment in Canada and discusses policy options to reduce unemployment. Includes an analysis of the effects of demographic changes, social security and minimum wage legislation, unions, technological change, cyclical changes, and industrial restructuring on unemployment.

**Prerequisite:** AP/ECON 1010 3.00 or equivalent.

**Course Credit Exclusions:** None.

**PRIOR TO FALL 2009: Course credit exclusion:** AK/ECON 3620 3.00.

### **AP/ECON3709 3.00 (Writing) ECONOMICS OF GENDER**

Introduces students to gender gaps and discrimination, especially in connection with labour markets, policy towards gender equality, and features of family economics such as issues of power within the family. Examines some empirical evidence, but in a non-technical way.

**Prerequisites:** AP/ECON 1000 3.00 and AP/ECON 1010 3.00 or equivalents.

**Recommended Prior Completion:** AP/ECON 2300 3.00.

**Course Credit Exclusion:** AP/ECON 3700 3.00 is an exclusion to AP/ECON 3709 3.00 (vice versa)).

### **AP/ECON3810 3.00 THE ECONOMICS OF PROJECT APPRAISAL AND FEASIBILITY**

Covers prefeasibility and feasibility studies of proposed projects, forecasting of demand and plant capacity, estimation of production, sales, costs, and revenues, alternative commercial profitability criteria (net present value, rate of return) for project evaluation and selection, and sensitivity analysis under risk and uncertainty.

**Prerequisites:** Grade 12U Advanced Functions, AP/ECON 1000 3.00, and AP/ECON 1010 3.00, or equivalents.

### **AP/ECON3880 3.00 THE ECONOMICS OF CRYPTOCURRENCIES**

This course provides an introduction to cryptocurrencies from an economics perspective. Topics include price determination under the Proof of Work protocol, the use of a tax to restrain network electricity costs, the 51% network attack, the welfare costs and benefits of cryptocurrencies, the surrounding legal issues, and the effects of digital currencies on the monetary policies of central banks.

**Prerequisites:** AP/ECON1000 and AP/ECON1010

### **AP/ECON 4000 3.00 DIRECTED READING**

Permits students to undertake special programs of private studies under the guidance of a full-time faculty member.

**Prerequisites:** 78 credits including AP/ECON 1000 3.00, AP/ECON 1010 3.00, AP/ECON 1530 3.00, AP/ECON 1540 3.00, AP/ECON 2300 3.00, AP/ECON 2350 3.00, AP/ECON 2400 3.00 and AP/ECON 2450 3.00, or equivalents.

**Note:** Students must be accepted by a faculty supervisor and receive the approval of the Undergraduate Program Director before they can register in the course.

### **AP/ECON 4010 3.00 ADVANCED MICROECONOMIC THEORY**

Examines important contributions to the microeconomic literature. Covers advanced topics from consumer theory, the economics of the firm, competitive and non-competitive markets, factor pricing, income distribution, general equilibrium, and welfare economics.

**Prerequisites:** AP/ECON 2300 3.00, AP/ECON 2350 3.00, and AP/ECON 3530 3.00, or equivalents.

**Recommended prior completion:** AP/ECON 2400 3.00 and AP/ECON 2450 3.00.

**Course Credit Exclusion:** GL/ECON 4230 3.00.

### **AP/ECON4020 3.00 ADVANCED MACROECONOMIC THEORY**

Surveys recent developments in macroeconomic research. Among the topics covered are rational expectation models, consumption theory, new Keynesian models of staggering wages and prices, menu costs, efficiency wages and imperfect competition, and new classical and new Keynesian business cycle theories.

**Prerequisites:** AP/ECON 2400 3.00 and AP/ECON 2450 3.00 or equivalents.

**Recommended prerequisites:** AP/ECON 2400 3.00 and AP/ECON 2450 3.00 or equivalents.

### **AP/ECON 4059 3.00 (Writing) HISTORY OF ECONOMIC THOUGHT I**

Focuses on the theoretical development of classical political economy up to 1870 in the works of the Physiocrats, Smith, Ricardo, and Marx. Emphasizes the contrasts and similarities between classical and neoclassical theories.

**Prerequisites or co-requisites:** AP/ECON 2300 3.00, AP/ECON 2350 3.00, AP/ECON 2400 3.00, and AP/ECON 2450 3.00, or equivalents.

### **AP/ECON 4069 3.00 (Writing) HISTORY OF ECONOMIC THOUGHT II**

Focuses on major developments in economic theory since 1870, the emergence of neoclassical general equilibrium theory (especially in the works of Jevons, Menger, and Walras), and the development of Keynesian economics as a distinctive theory.

**Prerequisites:** AP/ECON 4059 3.00 or equivalent.

### **AP/ECON4070 3.00 PUBLIC ECONOMICS**

Identifies the role of government in a modern economy and examines the interaction between government's attempts to provide services and the financing of expenditures through traditional and non-traditional means.

**Prerequisites:** AP/ECON 2300 3.00, AP/ECON 2350 3.00, AP/ECON 2400, and AP/ECON 2450 3.00, or equivalents.

**PRIOR TO FALL 2014: Course credit exclusion:** GL/ECON 3570 3.00.

### **AP/ECON4080 3.00 PUBLIC FINANCE II**

Deals with the expenditure side of public finance. Topics include theories of public expenditure, public expenditure policies in Canada and problems of multi-level governments including federal-provincial

financial relations.

**Prerequisites:** AP/ECON 2300 3.00, AP/ECON 2350 3.00, AP/ECON 2400 3.00, and AP/ECON 2450 3.00, or equivalents.

**PRIOR TO FALL 2014: Course credit exclusion:** GL/ECON 3570 3.00.

### **AP/ECON4083 3.00 ECONOMICS OF INFORMATION AND INCENTIVES**

Examines how contracts and institutions can be designed to handle different incentive and control problems that arise from imperfect information. Considers applications in various contexts including insurance and credit markets, the internal organization of firms, product selection and pricing, wage contracts, and tax systems and procurement.

**Prerequisites:** AP/ECON 2350 3.00 and AP/ECON 2500 3.00 or equivalents.

**Course Credit Exclusions:** None.

**PRIOR TO FALL 2009: Course credit exclusion:** AK/ECON 4083 3.00.

### **AP/ECON4089 3.00 (Writing) RESEARCH SEMINAR IN ECONOMICS**

This course assists students in developing strong analytical, quantitative, and communication skills through independent research. It familiarizes students with some of the major issues and research approaches in economics through discussions and presentations of various topics.

**Prerequisites:** 78 credits including a 3000-level economics course.

### **AP/ECON 4110 3.00 REGIONAL ECONOMIC DEVELOPMENT (cross-listed to: AP/PPAS 4110 3.00)**

Regional Economic Development is the process of creating wealth through the mobilization of resources to generate new jobs and additional tax bases. The course will analyze the theory and practice of local economic development in Ontario.

**Prerequisites:** AP/ECON 1000 3.00 and AP/ECON 1010 3.00 or equivalents, or permission of the instructor.

**Course Credit Exclusions:** None.

**PRIOR TO FALL 2009: Course credit exclusion:** AK/PPAS 4110 3.00.

### **AP/ECON4129 3.00 (Writing) INTERNATIONAL TRADE POLICY AND ECONOMIC INTEGRATION**

Deals with current policy issues in international trade and economic integration, focusing on specific

institutional settings such as NAFTA, the European Union, the World Trade Organization, new policy areas such as trade and the environment, trade, and labour rights.

**Prerequisite:** AP/ECON 3150 3.00 or equivalent.

### **AP/ECON4130 3.00 GAME THEORY IN ECONOMICS**

Covers the idea of a game, of a solution, the extensive form, the concept of equilibrium, games of incomplete information, backward and forward induction, repeated games, signalling and principal-agent models, and bargaining models.

**Prerequisites:** AP/ECON 1530 3.00 and AP/ECON 1540 3.00 or equivalents.

**Course credit exclusion:** GL/ECON 4340 3.00.

**PRIOR TO FALL 2011:** **Course credit exclusion:** GL/ECON 3340 3.00.

### **AP/ECON4140 3.00 FINANCIAL ECONOMETRICS**

Introduces students to the econometric methods used in the analysis of financial data. Topics include the statistical modeling and forecasting of financial time series with applications to share prices and exchange and interest rates, the analysis of nonstationary and cointegrated series, the modeling of volatility, and the estimation and testing of asset pricing models.

**Prerequisite:** AP/ECON 3210 3.00 or AP/ECON 3500 3.00, or equivalent.

### **AP/ECON4190 3.00 TOPICS IN INTERNATIONAL TRADE**

Covers, at the advanced level, the theories of international trade specialization, gains from trade, commercial policies, and new approaches to trade theory.

**Prerequisites:** AP/ECON 2300 3.00, AP/ECON 2350 3.00 and AP/ECON 3150 3.00, or equivalents.

### **AP/ECON4200 3.00 TOPICS IN INTERNATIONAL MONETARY ECONOMICS**

Covers, at the advanced level, topics in international monetary economics including exchange rates, balance of payments accounts, monetary policy under fixed and flexible exchange rates, international monetary problems and possible solutions, and theories of the balance of payments.

**Prerequisites:** AP/ECON 2300 3.00, AP/ECON 2350 3.00, AP/ECON 2400 3.00, AP/ECON 2450 3.00 and AP/ECON 3580 3.00, or equivalents.

### **AP/ECON4210 3.00 ECONOMETRICS**

Derives least squares and maximum likelihood

estimators for classical and generalized cases, stressing theorem proving, diagnostic analysis, and careful applied work.

**Prerequisite:** AP/ECON 3210 3.00 or AP/ECON 3500 3.00 or equivalent.

**Course Credit Exclusions:** GL/ECON 4260 3.00, SC/MATH 3330 3.00.

**Note:** Acceptable course substitutes are available in the Calendar.

### **AP/ECON4220 3.00 TOPICS IN ECONOMETRICS**

Examines multiple and simultaneous linear equations models. Considers time series analysis and other special topics. Stresses theorem proving, diagnostic analysis, and careful applied work.

**Prerequisite:** AP/ECON 4210 3.00 or equivalent.

**Course Credit Exclusions:** None.

**PRIOR TO FALL 2009:** **Course credit exclusion:** AS/ECON 4220 3.00.

### **AP/ECON4259 3.00 (Writing) TOPICS IN HEALTH ECONOMICS**

Addresses major issues regarding the cost and quality of health care using theoretical and quantitative techniques drawn from welfare economics, project evaluation, microeconomics, and financial analysis.

**Prerequisites:** AP/ECON 2300 3.00, AP/ECON 2350 3.00 and AP/ECON 3210 3.00 or AP/ECON 3500 3.00, or equivalents.

### **AP/ECON4279 3.00 (Writing) HOUSING ECONOMICS**

Examines housing markets and housing policy. Introduces models of demand, supply, and housing market equilibrium emphasizing the special characteristics of housing. Uses welfare economics to study the design of optimal policies.

**Prerequisites:** AP/ECON 2300 3.00 and AP/ECON 2350 3.00 or equivalents.

### **AP/ECON4309 3.00 (Writing) LAW AND ECONOMICS**

Uses economic concepts to analyze legal institutions in the area of Common Law (Property, Torts, and Contracts) for developed, underdeveloped, and transitional economies. Examines legal cases from a law-and-economics perspective.

**Prerequisites:** AP/ECON 2300 3.00 and AP/ECON 2350 3.00 or equivalents.

**Course Credit Exclusions:** GL/ECON 4275 3.00.

**PRIOR TO FALL 2009:** **Course credit exclusion:** AK/ECON 3800 3.00, AS/ECON 4309 3.00, GL/ECON

4275 3.00.

### **AP/ECON4350 3.00 TOPICS IN INDUSTRIAL ORGANIZATION**

Examines, at the advanced level, theories pertaining to industrial organization. Covers oligopoly, entry, vertical integration, product differentiation, advertising, innovation and market structure, and industrial organization in an open economy. Discusses public policy where appropriate.

**Prerequisite:** AP/ECON 2300 3.00, AP/ECON 2350 3.00 and AP/ECON 3200 3.00, or equivalents.

### **AP/ECON4380 3.00 PUBLIC CHOICE THEORY**

Applies basic tools of microeconomics to answer questions central to political science. Gives special emphasis to analyzing public choice in a direct democracy and in a representative democracy.

**Prerequisites:** AP/ECON 2300 3.00 and AP/ECON 2350 3.00 or equivalents.

### **AP/ECON4399 3.00 (Writing) TOPICS IN LAW AND ECONOMICS**

Explores in detail topics such as damages versus specific performance, liquidation damages versus penalty clauses, the choice between strict liability and negligence in tort law, and the different ways different societies have solved the problem of law and order.

**Prerequisite:** AP/ECON 3800 3.00, or equivalents.

**Course Credit Exclusions:** None.

**PRIOR TO FALL 2009: Course credit exclusion:** AS/ECON 4399 3.00.

### **AP/ECON4400 3.00 FINANCIAL ECONOMICS**

Analyzes investment and financing decisions, the separation between ownership and control, the risk inherent in decision-making, and how shareholders' wealth and utility are maximized. Topics include net present value, capital budgeting, efficiency of capital markets, treatment of risk, valuation of debt, dividend policy, short-term financing, and financial strategy.

**Prerequisite:** AP/ECON 2300 3.00 and AP/ECON 2350 3.00 or equivalents.

**Course Credit Exclusions:** AP/ADMB 3530 3.00, AP/ADMS 3530 3.00, GL/ECON 4310 3.00.

### **AP/ECON4410 3.00 CORPORATE FINANCE**

Examines topics such as dividend policy, capital structure, the valuation of corporate debt, other corporate liabilities (including leases) and options, merges, international finance, and financial planning.

**Prerequisite:** AP/ECON 2300 3.00, AP/ECON 2350 3.00 and AP/ECON 4400 3.00, or equivalents.

**Course Credit Exclusions:** AP/ADMS 4540 3.00, GL/ECON 4315 3.00, SB/FINE 3100 3.00.

**Note:** Acceptable course substitutes are available in the Calendar.

### **AP/ECON4420 3.00 TOPICS IN CORPORATE FINANCE**

Considers selected topics in the economic analysis of financial markets, including choice-theoretic and statistical aspects of financial models. Possible topics include inter-temporal choice, economics of uncertainty, equilibrium models of money and risky assets, corporate financial policy, and the effects of inflation and taxation.

**Prerequisites:** AP/ECON 2300 3.00 and AP/ECON 2350 3.00 or equivalents.

**Recommended Prior Completion:** AP/ECON 3500 3.00 and AP/ECON 4400 3.00.

**Course Credit Exclusions:** AP/ADMS 4541 3.00, SB/FINE 3100 3.00, SB/FINE 4150 3.00, SB/FINE 4800 3.00.

**Note:** Acceptable course substitutes are available in the Calendar.

### **AP/ECON4659 3.00 (Writing) TOPICS IN NORTH AMERICAN ECONOMIC HISTORY**

This is a graduate and advanced undergraduate level course aimed to familiarize students with select important topics in economic history, with a focus on the United States and Canada, and to acquaint them with empirical methods of research in economic history. The course will focus on microeconomic topics that apply across North America, with some focus on the United States.

**Prerequisites:** AP/ECON 2300 3.00, AP/ECON 2400 3.00, AP/ECON 3210 3.00 or 3480 3.00.