

The following proposals, received on DAP between December 16-31, 2012, have been approved.  
For more information on the DAP process, see the Academic Handbook at [www.uwo.ca/univse/handbook](http://www.uwo.ca/univse/handbook).

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## FACULTY OF ARTS AND HUMANITIES

### LINGUISTICS

Effective **September 1, 2013**, the following cross-listed Linguistics courses be withdrawn from course offerings.

Linguistics 1027A/B - Introduction to Linguistics  
 Linguistics 2237A/B - Field Techniques in Linguistics  
 Linguistics 2243F/G - Applied Linguistics  
 Linguistics 2247A - Phonological Analysis  
 Linguistics 2248B - Introduction to Syntax and Semantics  
 Linguistics 2249F/G - Discourse Analysis and Linguistic Pragmatics  
 Linguistics 2800 - General Linguistics in French  
 Linguistics 2805A/B - General Linguistics in French: Sound Patterns  
 Linguistics 2806A/B - General Linguistics in French: from Sound to Meaning  
 Linguistics 3270F/G - Philosophy and Linguistics  
 Linguistics 3303A - The Structure of Spanish  
 Linguistics 3335F - Historical Linguistics  
 Linguistics 3337G - Topics in Language and Society  
 Linguistics 3810 - Syntax in French  
 Linguistics 3830 - Phonetics and Phonology in French  
 Linguistics 4406F/G - Special Topics in Spanish Linguistics  
 Linguistics 4407F/G - Special Topics in Spanish Linguistics  
 Linguistics 4440F/G - Advanced Special Topics in Spanish Linguistics  
 Linguistics 4810A/B - Advanced Syntax in French  
 Linguistics 4820A/B - Morphology in French  
 Linguistics 4840A/B - Semantics in French  
 Linguistics 4880A/B - Advanced Linguistics in French

Effective **September 1, 2013**, a new note at the top of the Linguistics page be introduced that indicates which courses from different departments count towards the Linguistics Modules.

### LINGUISTICS

Note: Along with the designated Linguistics courses in the Academic Calendar, the following courses from different departments and programs across the University are also used to meet the requirements of the of the Linguistics modules. Please see listings of requirements for these modules in the LINGUISTICS section of INTER-FACULTY DEPARTMENTS/MODULES/PROGRAMS to see which of these courses count in which module.

Anthropology: Anthropology 2243F/G, 2245F/G, 2246F/G, 2247A/B, 2248A/B, 2249F/G, 2250F/G, 3237A/B, 3335F/G, 3337F/G, 4412F/G.

Classical Studies: Classical Studies 2800A/B

Communication Sciences and Disorders: Communication Sciences and Disorders 4411A/B, 4439A/B.

English: English 3001, 3012.

French: French 2805A/B, 2806A/B, 3810A/B, 3830A/B, 3870A/B, 4040A/B, 4100F/G, 4811F/G, 4821F/G, 4830F/G, 4841F/G, 4850F/G, 4881F/G.

Philosophy: Philosophy 2250, 2252W/X, 2260F/G, 3201A/B, 3202B, 3260F/G, 3270F/G, 4210F/G.

Psychology: Psychology 2134A/B, 3140F/G, 3141F/G, 3142E, 3184F/G.

Spanish: Spanish 2214A/B, 3303A/B, 3314F/G, 3315F/G, 3317A/B, 3318A/B, 3911A/B-3915A/B, 3916A/B-3920A/B, 4412F/G, 4413F/G, 4414F/G, 4415F/G, 4802A/B, 4921F/G-4925F/G, 4926A/B-4930A/B.

Effective **September 1, 2013**, that revisions to the course offerings and course listings be added to the Linguistics modules.

## MAJOR IN LINGUISTICS

### Admission Requirements:

Completion of first-year requirements, including Anthropology 1027A/B and Linguistics 1028A/B with a mark of at least 60%. Students beginning Linguistics after first year may substitute Linguistics 2288A/B in place of Anthropology 1027A/B and take it concurrently with their second-year courses.

### Module

6.0 courses:

2.0 courses: Anthropology 2247A/B, 2248A/B, 3335F/G, 3337F/G.

2.0 courses from: Anthropology 2243F/G, 2249F/G, 3237A/B, French 2805A/B, 2806A/B, 3810A/B, 3830A/B, 4810A/B, 4820A/B, 4840A/B, 4880A/B, the former French 2800, Linguistics 2244A/B, 2285F/G, 2286F/G, 2287F/G, 3340A/B, 3390A/B, 4440F/G, 4490F/G, Spanish 3303A/B, 4406F/G, 4407F/G.

2.0 additional courses in Linguistics which have not already been taken from the above list or from the "List of Approved Courses in Linguistics" below.

1.0 courses from: Anthropology 3237A/B, French 2805A/B, 2806A/B, 3810A/B, 3830A/B, 4811F/G, 4821F/G, 4830F/G, 4841F/G, 4881F/G, Linguistics 2244A/B, 2250F/G, 2287F/G, 3100A/B, 3102A/B, Spanish 3315F/G, 3317A/B, 3318A/B, 4415F/G, 4802A/B

1.0 courses from: Anthropology 2243F/G, 2245F/G, 2249F/G, French 3870A/B, 4040A/B, 4850F/G, Linguistics 2285F/G, 2286F/G, 4100A/B, Philosophy 3270F/G, Spanish 3314F/G, 4412F/G, 4413F/G, 4414F/G

2.0 courses from the following or any course from above not already taken: Anthropology 2246F/G, 2250F/G, 4412F/G, Classical Studies 2800A/B, Communication Sciences and Disorders 4411A/B, 4439A/B, English 3001, 3012, French 4100F/G, Linguistics 3340A/B, 3390A/B, 4490F/G

Philosophy 2250, 2252W/X, 2260F/G, 3201A/B, 3202B, 3260F/G, 4210F/G, Psychology 2134A/B, 3140F/G, 3141F/G, 3142E, 3184F/G, Spanish 2214A/B, 3303A/B, 3911A/B-3915A/B, 3916A/B-3920A/B, 4921F/G-4925F/G, 4926A/B-4930A/B.

Note: Some courses are offered only in alternate years. Students are advised to consult one of the Co-Directors of the Inter-Faculty Program in Linguistics when planning their module.

### Approved Courses in Linguistics

Anthropology 2245F/G, 4412F/G, English 3001, 3012, French 4040A/B, 4100F/G, Philosophy 2260F/G, 3201A/B, 3202B, 3260F/G, 4210F/G, Philosophy 2252W/X, Psychology 2134A/B, the former Russian 4498A, 4499B, the former Spanish 401.

## MINOR IN LINGUISTICS

### Admission Requirements

Completion of first-year requirements, including Anthropology 1027A/B and Linguistics 1028A/B with a mark of at least 60%. Students beginning Linguistics after first year may substitute Linguistics 2288A/B in place of Anthropology 1027A/B and take it concurrently with their second-year courses.

### Module

4.0 courses:

4.0 courses from: Anthropology 2243F/G, 2247A/B, 2248A/B, 2249F/G, 3237A/B, 3335F/G, 3337F/G, French 2805A/B, 2806A/B, 3810A/B, 3830A/B, 4810A/B, 4820A/B, 4840A/B, 4880A/B, the former French 2800, Linguistics 2244A/B, 2285F/G, 2286F/G, 2287F/G, 3340A/B, 3390A/B, 4440F/G, 4490F/G, Spanish 3303A/B, 4406F/G, 4407F/G.

1.0 courses: Anthropology 2247A/B, 2248A/B.

0.5 course from: Anthropology 3335F/G, 3337F/G.

0.5 course from: Anthropology 3237A/B, French 2805A/B, 2806A/B, 3810A/B, 3830A/B, 4811F/G, 4821F/G, 4830F/G, 4841F/G, 4881F/G, Linguistics 2244A/B, 2250F/G, 2287F/G, 3100A/B, 3102A/B, Spanish 3315F/G, 3317A/B, 3318A/B, 4415F/G, 4802A/B

0.5 course from Anthropology 2243F/G, 2245F/G, 2249F/G, French 3870A/B, 4040A/B, 4850F/G, Linguistics 2285F/G, 2286F/G, 4100A/B, Philosophy 3270F/G, Spanish 3314F/G, 4412F/G, 4414F/G

1.5 courses from the following or any course from above not already taken: Anthropology 2246F/G, 2250F/G, 4412F/G, Classical Studies 2800A/B, Communication Sciences and Disorders 4411A/B, 4439A/B, English

3001, 3012, French 4100F/G, Linguistics 3340A/B, 3390A/B, 4490F/G Philosophy 2250, 2252W/X, 2260F/G, 3201A/B, 3202B, 3260F/G, 4210F/G, Psychology 2134A/B, 3140F/G, 3141F/G, 3142E, 3184F/G, Spanish 2214A/B, 3911A/B-3915A/B, 3916A/B-3920A/B, 4921F/G-4925F/G, 4926A/B-4930A/B.

Note: Some courses are offered only in alternate years. Students are advised to consult one of the Co-Directors of the Inter-Faculty Program in Linguistics when planning their module.

## PHILOSOPHY

Effective **September 1, 2013**, the following new half-year courses will be introduced by the Faculty of Arts and Humanities.

### **Philosophy 2010F/G: Philosophy of Food**

A philosophical reflection on food and wine. Issues may include the treatment of animals, moral and political dimensions of genetically modified food, hunger and obligation to the poor, the role of food in gender, personal and national identity, and what role do food and wine play in the good life.

3 hours, 0.5 course

### **Philosophy 2044F/G: Introduction to the Philosophy of Psychiatry**

An introduction to core issues in the philosophy of psychiatry. Topics may include: a survey of historical and contemporary theories of the nature of mental disorder and its treatment; case studies designed to highlight controversies surrounding specific mental disorders, most notably, Depressive Disorders, Personality Disorders, Eating Disorders, and the Psychoses.

3 hours, 0.5 course.

### **Philosophy 2050F/G: The Scientific Search for the Mind**

An evaluation of sciences attempting to understand the nature of the mind and its place in the physical world. Topics may include: phrenology & localization theory, physiology, neuroanatomy, gestalt psychology, experimental psychology, evolutionary psychology, psychophysics, psychoanalysis, behaviorism, cognitive psychology, neuropsychology, intelligence testing and the nature of consciousness.

3 hours, 0.5 course.

### **Philosophy 2078F/G: Ethics for a Digital World**

Through social media, computer gaming, and virtual communities, we spend a considerable portion of our lives in the digital world. What moral considerations ought to guide our conduct as digital citizens? This class will consider the ethics of life online through a study of moral theory and ethical problems.

3 hours, 0.5 course.

### **Philosophy 2556F/G: Phenomenology and Diversity**

Phenomenology is a study of the phenomena, of how things, objects, relations, and world appear and hence become meaningful. Drawing on classic and contemporary texts, this course interrogates issues of diversity such as racialization, disability, sexuality, and sexual difference that shape how we meaningfully encounter the world and others.

3 hours, 0.5 course.

### **Philosophy 3450F/G: Philosophy of Neuroscience**

Introduction to philosophy of neuroscience. Questions may include: What does neuroscience tell us about the mind-brain relationship, free will and moral responsibility, or the mechanisms of learning and memory? Is consciousness a mental, behavioral or brain state? What is the structure of explanation in neuroscience? Is psychology reducible to neuroscience?

3 hours, 0.5 course

## VISUAL ARTS

Effective **March 1, 2013** the modular requirement of "2.0 practicum in fourth year: VAS 4430 (course weight of 2.0)" be changed in the BFA Honors Specialization in Studio Arts.

**BACHELOR OF FINE ARTS, HONORS SPECIALIZATION IN STUDIO ARTS**

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**Module**

11.0 courses:

2.5 courses from: VAS 2200, 2204A/B, 2210, 2212A/B, 2214A/B, 2216A/B, 2220, 2222A/B, 2224A/B, 2230, 2232A/B, 2234A/B, 2236A/B, 2240, 2244A/B, 2246A/B, 2250, 2252A/B, 2254A/B, 2256A/B, 2258A/B.

0.5 course from: VAS 2274A/B, 2275A/B.

1.0 course from: Classical Studies 3550E, VAH 2247E, 2249E, 2251E, 2253E, 2254F/G, 2255F/G, 2256E, 2257F/G, 2258E, 2259F/G, 2261E, 2262F/G, 2265E, 2266F/G, 2270E, 2286F/G.

1.0 course from: VAH 2230F/G, 2235F/G, 2236F/G, 2272F/G, 2276E, 2277E, 2278E, 2279F/G, 2280F/G, 2281F/G, 2282E, 2283E, 2284E, 2287F/G.

2.0 courses from: VAS 3300, 3310, 3320, 3330, 3340, 3350, 3351A/B, 3352A/B, 3353A/B, 3354A/B, 3355A/B, 3389E, 3391, 3392A/B, 3393, 3394A/B.

1.0 course: VAS 2281F/G, VAS 3381F/G, VAS 3380E.

1.0 course: VAS 2282A/B, VAS 3382A/B.

~~2.0 practicum in fourth year: VAS 4430 (course weight of 2.0).~~

**2.0 courses from: VAS 4430 (course weight of 2.0) or VAS 4448E and 1.0 VAS 4000-level course.**

*Effective **January 1, 2013**, the following changes will be made to the calendar copy of VAS 2282A/B and 3382A/B.*

**Visual Arts Studio 2282A/B – Honors Studio Seminar I**

A studio/theory seminar required for students in the second year of the Honors Specialization in Studio Arts. As a forum for engagement with methods and practices of professional artists it will help students prepare for the a portfolio review required for entry into VAS 4430 Practicum for the completion of the requirements of the BFA module.

Pre-requisite: Vas 1020 or VAS 1025, VAH 1040, and registration in the Honors Specialization in Studio Arts Module.

4 seminar/studio hours, 0.5 course

**Visual Arts Studio 3382A/B – Honors Studio: Seminar II**

A studio/theory seminar required for students in the third year of the Honors Specialization in Studio Arts. As a forum for engagement with methods and practices of professional artists it will help students prepare for the portfolio review required for entry into VAS 4430 Practicum navigate the key issues related the visual arts and prepare a portfolio necessary to completing the requirements of the BFA module.

Pre-requisite: VAS 2282A/B and registration in the Honors Specialization in Studio Arts module.

4 seminar/studio hours, 0.5 course

**FACULTY OF ENGINEERING**

*Effective **September 1, 2013**, the corequisite of CEE 3341A/B be deleted from CEE 3346A/B.*

**CEE 3346A/B – Steel Design**

Behaviour and Limit States Design of tension members, columns, beams, beam-columns, and connections. P-delta analyses for unbraced frames. Building systems. Current professional issues in steel construction. Health and safety issues are discussed.

Prerequisite(s): CEE 3340A/B, CEE 3342A/B.

Corequisite(s): ~~CEE 3341A/B~~

3 lecture hours, 3 design laboratory/tutorial hours, 0.5 course

*Effective **September 1, 2013**, include CEE 4427A/B as a technical elective in the fourth year program of Structural Engineering with International Development Option.*

**G. STRUCTURAL ENGINEERING WITH INTERNATIONAL DEVELOPMENT OPTION**

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**Fourth Year Program**

CEE 4441, CEE 4404A/B, CEE 4426A/B, CEE 4478A/B, CEE 4490, ES 4498F/G, Business Administration 2299, two 0.5 technical electives.

**Technical Electives: Structural Engineering with International Development Option:**

CEE 4440, CEE 3355A/B, CEE 4418A/B, CEE 4427A/B, CEE 4428A/B, CEE 4429A/B, CEE 4458A/B, CEE4461A/B, CEE 4465A/B, CEE 4476A/B, CEE 4477A/B, Earth Sciences 3340A/B, Earth Sciences 4440A/B.

Effective **September 1, 2013**, introduce ECE 2274A/B.

**Electrical and Computer Engineering 2274A/B - Electric Circuits and Electromechanics**

This course studies the principles of electrical circuits and components including common electric motors employed in mechanical engineering systems. The course also uses a series of laboratories to introduce the students to common measurement tools used to assess and troubleshoot electrical circuits. The foundations from this course are expanded on in the subsequent course which focuses on electronic components and their application.

Antirequisite(s): ECE 2205A/B, ECE 2231A/B, the former ECE 3373A/B

Prerequisite(s): ES 1036A/B or Computer Science 1026A/B, Physics 1402A/B or the former Physics 1026.

Corequisite(s): Applied Mathematics 2413 or 2415

3 lecture hours, 1.5 laboratory hours, 0.5 course

Effective **September 1, 2013**, rename ECE 3374A/B and update its calendar description.

**Electrical and Computer Engineering 3374A/B – Mechatronics Introduction to Electronics for Mechanical Engineering**

This course is an introduction to mechatronics from the hardware perspective of electrical engineering. It builds on the knowledge acquired through the previous introduction to electricity course, first through the study of electronic components. Then the course focuses on higher level tasks of the hardware implementation of data acquisition, sensor integration and motor control the electronics used to collect data and analyse and control mechanical and electrical systems. The first half of the course introduces basic electronic components, while the second half focuses on higher-level hardware used in data acquisition, sensor integration and motor control applications.

Antirequisites: ECE 2277A/B, ECE 3332A/B, ECE 3333A/B, ECE 3375A/B

Prerequisites: ECE 2238A/B or ECE 3373A/B

3 lecture hours, 1.5 lab hours, 0.5 course

Effective **September 1, 2013**, revise the prerequisites for ECE 4480A/B.

**Electrical and Computer Engineering 4480A/B – Very Large Scale Integration and Microelectronics**

Introduction to microelectronic circuits and very large scale integrated (VLSI) systems. Theory of semiconductors. VLSI Systems: Integration of electronic circuits, Moore's Law, hierarchical and structured design. Layer technique of circuit design: abstract circuits, layer design, colour codes, STYX diagrams. Implementation of inverters and gates.

Prerequisites: ECE 2277A/B or the former ECE 3339A/B, ECE 3349A/B, ECE 3375A/B, completion of the third year of the Electrical Engineering Program **Computer Engineering program**.

Corequisites: ECE 4434A/B

3 lecture hours, 1.5 lab hours, 0.5 course

Effective **September 1, 2013**, revise the prerequisites for ECE 4434A/B.

**Electrical and Computer Engineering 4434A/B – Advanced Digital Systems**

Memory units, coders, decoders, adders, multipliers, clocks, synchronous and asynchronous sequential circuits, algorithmic state machines (ASM), microprogrammed synthesis of ASM designs, and advanced microprocessor organization.

Prerequisites: ECE 2277A/B or the former ECE 3339A/B, ECE 3375A/B, completion of the third year of the

Electrical, **Computer**, or Integrated Engineering program.  
3 lecture hours, 1.5 lab hours, 0.5 course

Effective **September 1, 2014**, ECE 3373A/B – *Electric Circuits and Electromechanics* be withdrawn from course offerings.

Effective **September 1, 2014**, introduce a new course - MME 3350A/B *System Modeling and Control*.

### **Mechanical and Materials Engineering 3350A/B – System Modeling and Control**

Basic analytical techniques for modeling and control of dynamic systems. Solve for response as well as design controllers to shape response of systems. Applications to vibratory, thermo-fluidic, hydraulic, pneumatic and electro-mechanical systems.

Antirequisite(s): CBE 3310A/B

Prerequisite(s): AM 2413, ECE 3373A/B or ECE 2274A/B, MME 2273A/B, MME 3381A/B

3 lecture hours, 2 tutorial hours, 0.5 laboratory hours, 0.5 course

Effective **September 1, 2013**, to add a third required technical elective to the fourth year of the Mechatronic Systems Engineering program.

### **MECHATRONIC SYSTEMS ENGINEERING**

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Fourth Year Program

Business Administration 2299E, MSE 4401A/B, MSE 4499, ECE 4460A/B, ECE 4457A/B, ECE 4469A/B, ES 4498F/G, ~~two~~ **three** 0.5 technical electives\*\*.

Effective **September 1, 2013**, revise *Engineering with Law Options*.

### **D. Chemical Engineering and Law Option**

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Notes: Fulfillment of the Faculty of Engineering requirement of courses that expose students to the impact of technology on society, ethical issues, economics and the thought processes in the Humanities and Social Sciences must be taken as follows:

Economics: One of Law 5220 Income Taxation, Law 5555 Corporate Finance, or an approved Law Selected Topics course.

Ethical Issues: Law ~~5430~~ **5150** Legal Ethics and Professionalism [part of the first year curriculum].

Impact of Technology on Society: One of Law 5615 Biotechnology Law, Law 5605 Advanced Issues in Technology Law, Law 5350 Media Law, Law 5600 Advanced Intellectual Property, Law 5620 Information Law, Law 5625 Intellectual Property, Law 5630 International Protection of Intellectual Property, Law 5610 Advanced Patent Law, or an approved Law Selected Topics course.

Thought Processes of the Humanities and Social Sciences: ~~Law 5125 Foundations of Canadian Law~~ **Law 5110 Constitutional Law, Law 5115 Contracts, Law 5120 Criminal Law, Law 5140 Property, Law 5145 Torts** [part of the first year curriculum].

### **C. Software Engineering and Law Option**

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Notes: Fulfillment of the Faculty of Engineering requirement of courses that expose students to economics, ethical issues, the impact of technology on society, and the thought processes in the Humanities and Social Sciences must be taken as follows:

Economics: One of Law 5220 Income Taxation, Law 5555 Corporate Finance, or an approved Law Selected Topics course.

Ethical Issues: Law ~~5430~~ **5150** Legal Ethics and Professionalism [part of the first year curriculum].

Impact of Technology on Society: One of Law 5615 Biotechnology Law, Law 5605 Advanced Issues in Technology Law, Law 5350 Media Law, Law 5600 Advanced Intellectual Property, Law 5620 Information Law, Law 5625 Intellectual Property, Law 5630 International Protection of Intellectual Property, Law 5610 Advanced Patent Law, or an approved Law Selected Topics course.

Thought Processes of the Humanities and Social Sciences: ~~Law 5125 Foundations of Canadian Law~~ Law 5110 Constitutional Law, Law 5115 Contracts, Law 5120 Criminal Law, Law 5140 Property, Law 5145 Torts [part of the first year curriculum].

### C. Green Process Engineering with Law Option

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Notes: Fulfillment of the Faculty of Engineering requirement of courses that expose students to economics, ethical issues, the impact of technology on society, and the thought processes in the Humanities and Social Sciences must be taken as follows:

Economics: One of Law 5220 Income Taxation, Law 5555 Corporate Finance, or an approved Law Selected Topics course.

Ethical Issues: Law ~~5430~~ 5150 Legal Ethics and Professionalism [part of the first year curriculum].

Impact of Technology on Society: One of Law 5615 Biotechnology Law, Law 5605 Advanced Issues in Technology Law, Law 5350 Media Law, Law 5600 Advanced Intellectual Property, Law 5620 Information Law, Law 5625 Intellectual Property, Law 5630 International Protection of Intellectual Property, Law 5610 Advanced Patent Law, or an approved Law Selected Topics course.

Thought Processes of the Humanities and Social Sciences: ~~Law 5125 Foundations of Canadian Law~~ Law 5110 Constitutional Law, Law 5115 Contracts, Law 5120 Criminal Law, Law 5140 Property, Law 5145 Torts [part of the first year curriculum].

Effective **September 1, 2013**, revise the Mechanical Engineering program.

## MECHANICAL ENGINEERING PROGRAM

### Second Year Program

Applied Mathematics 2413, ECE 2274A/B, ES 2211F/G, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Statistical Sciences 2143A/B, 0.5 non-technical elective\*.

\*Selection of the non-technical elective must be approved by the Department Counsellor to satisfy the CEAB requirements of subject matter that deals with central issues, methodologies, and thought processes of the humanities and social sciences. An approved list can be found on the Engineering website.

### Third Year Program

Applied Mathematics 3413A/B, ~~ECE 3373A/B~~, ECE 3374A/B MME 3303A/B, MME 3307A/B, MME 3334A/B, MME 3350A/B, MME 3360A/B, MME 3379A/B, MME 3380A/B, MME 3381A/B.

Effective **September 1, 2013**, revise the Mechanical Engineering fourth year program.

## A. Mechanical Engineering Option

### Fourth Year Program

Business Administration 2299E, ES 4498F/G, MME 4499, 0.5 non-technical elective\*

Six ~~Five~~ of the following technical electives: MME 4401Y, MME 4414A/B, MME 4422A/B, MME 4423A/B, MME 4424A/B, MME 4425A/B, MME 4427A/B, MME 4428A/B, MME 4429A/B, MME 4443A/B, MME 4445A/B, MME 4446A/B, MME 4450A/B, MME 4452A/B, MME 4453A/B, MME 4459A/B, MME 4460A/B, MME 4464A/B, MME 4469A/B, MME 4473A/B, MME 4474A/B, MME 4475A/B, MME 4479A/B, MME 4480A/B, MME 4481A/B, MME 4482A/B, MME 4483A/B, MME 4485A/B, MME 4486A/B, MME 4487A/B, MME 4491A/B, MME 4492A/B.

Students may elect to substitute technical electives from other engineering disciplines or from the Faculty of Science, provided they have the required prerequisites, and provided at least three of their technical electives are chosen from the above list. Technical electives from the Faculty of Science must be at the Honors level. All courses outside of the MME list must be approved by the Department of Mechanical and Materials Engineering

\*Selection of the non-technical elective must be approved by the Department Counsellor to satisfy the CEAB requirements of subject matter that deals with central issues, methodologies, and thought processes of the humanities and social sciences. An approved list can be found on the Engineering website.

Effective **September 1, 2013**, revise the Mechanical Engineering and Law option.

**B. Mechanical Engineering and Law Option**

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**Second Year Program**

Applied Mathematics 2413, **ECE 2274A/B**, ES 2211F/G, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Statistical Sciences 2143A/B, ~~0.5 non-technical elective\*~~.

~~\*Selection of the non-technical elective must be approved by the Department Counsellor to satisfy the CEAB requirements of subject matter that deals with central issues, methodologies, and thought processes of the humanities and social sciences. An approved list can be found on the Engineering website.~~

**Third Year Program**

Applied Mathematics 3413A/B, ~~ECE 3373A/B~~, ECE 3374A/B, MME 3303A/B, MME 3307A/B, MME 3334A/B, **MME 3350A/B**, MME 3360A/B, MME 3379A/B, MME 3380A/B, MME 3381A/B.

**Fourth Year Program**

First year Law curriculum. No courses outside Law may be taken during this year.

**Fifth and Sixth Year Programs**

~~MME 4450A/B, MME 4425A/B~~ **Two 0.5 Technical electives.**

MME 4499.

In years five and six students must complete the following requirements for the JD:

1. The two compulsory upper-year Law courses.
2. At least three Law core-group courses.
3. Additional Law courses totalling at least 25 credit hours. One Law course must have an essay requirement of at least two credit hours.

Requirements 2 and 3 must include one of the courses listed below under "Economics" and one listed under "Impact of Technology on Society".

Notes: Fulfillment of the Faculty of Engineering requirement of courses that expose students to economics, ethical issues, and the impact of technology on society must be taken as follows:

- Economics: One of Law 5220 Income Taxation, Law 5555 Corporate Finance, or an approved Law Selected Topics course.
- Ethical Issues: Law ~~5430~~ **5150** Legal Ethics and Professionalism [part of the first year curriculum].
- Impact of Technology on Society: One of Law 5615 Biotechnology Law, Law 5605 Advanced Issues in Technology Law, Law 5350 Media Law, Law 5600 Advanced Intellectual Property, Law 5620 Information Law, Law 5625 Intellectual Property, Law 5630 International Protection of Intellectual Property, Law 5610 Advanced Patent Law, or an approved Law Selected Topics course.
- **Thought Processes of the Humanities and Social Sciences: Law 5110 Constitutional Law, Law 5115 Contracts, Law 5120 Criminal Law, Law 5140 Property, Law 5145 Torts [part of the first year curriculum].**

**Exchange Programs**

Students enrolled in the combined program are not eligible for an exchange program with the Faculty of Engineering; however, they may be eligible for an exchange through the Faculty of Law in Year Five or Six. This will require advanced planning with both faculties.

*Effective **September 1, 2013**, revise the Mechanical Engineering and Medicine option.*

**C. Mechanical Engineering and Medicine Option**

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**Second Year Program**

Applied Mathematics 2413, **ECE 2274A/B**, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Statistical Sciences 2143A/B, ~~ES 2211F/G~~, Business Administration 2299E.

**Third Year Program**

Applied Mathematics 3413A/B, ~~ECE 3373A/B~~, ECE 3374A/B, ES 4498F/G, MME 3303A/B, MME 3307A/B, MME 3334A/B, **MME 3350A/B**, MME 3360A/B, MME 3379A/B, MME 3380A/B, MME 3381A/B.

**Fourth Year Program**

~~MME 4425A/B, MME 4450A/B~~

Regular Year 1 of the MD program.



**MME 4499****Fifth Year Program**

Regular Year 2 of the MD program.

**Sixth Year Program**

Regular Year 3 of the MD program.

**Seventh Year Program**

Regular Year 4 of the MD program ~~less the Advanced Communication Skills course.~~

~~MME 4499 (will count as an "elective" credit in the fourth year of the MD program).~~

Effective **September 1, 2013**, revise the *Mechanical Engineering and Business* option.

**D. Mechanical Engineering and Business Option****Admission Requirements**

Normally, students apply to the HBA program during their second year in Engineering by the published deadline. Application for the combined program is made during the first year in the HBA program. Students applying to the Ivey Business School's Academic Excellence Opportunity (AEO) are also eligible to be considered for the combined program. Admission to the program is competitive and limited. Upon completion of the program students will receive two degrees: a BA in Honors Business Administration and a BESC degree. To be eligible for the combined program, all students, including those admitted via the AEO route, must have completed all the requirements of the first year curriculum in the Faculty of Engineering and the second year program in the Department of Mechanical and Materials Engineering. Students must obtain a weighted average (YWA) of 78% in each year. During the second year of the program students are required to complete Business Administration 2257 with a minimum grade of 70%. **MME students may take Business Administration 2257 during intersession either after their first or second year.** Demonstrated participation in extra curricular and/or community activities, leadership and work experience are also admission criteria.

**Progression Standards**

Students in this combined program must meet the following progression standards: Students enrolled in first year HBA (Year Three) must attain at least 78%.

In Years Four and Five, students must attain a minimum weighted average of 75% in their 4000 level HBA courses and a 75% average in their Engineering courses.

**Failure to Meet Progression Standards**

A student who fails to meet the progression standards in any year must withdraw from the combined program. However, a student who has met the progression standards of either the HBA or BESC program will be allowed to proceed to the next year of that program. If the progression standards of both individual programs have been satisfied, the student may continue in either program and may petition the School or Faculty whose program was not selected for permission to complete that program at a later date. A student who is required to withdraw from the combined program and wishes to pursue either or both of the individual programs, must complete all the degree requirements of the individual program or programs in order to graduate from that/those program(s).

**First Year Program**

Regular first year curriculum in the Engineering program.

**Second Year Program**

Applied Mathematics 2413, **ECE 2274A/B**, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, ~~MME 2285A/B~~, Statistical Sciences 2143A/B, Business Administration 2257.

**Third Year Program**

Business Administration 3300K, 3301K, 3302K, 3303K, 3304K, 3307K, 3311K, 3316K, 3321K, 3322K, 3323K.

**Fourth Year Program**

Applied Mathematics 3413A/B, **MME 2285A/B**, MME 3303A/B, MME 3307A/B, MME 3334A/B, MME 3360A/B, MME 3379A/B, MME 3380A/B, MME 3381A/B, ~~ECE 3373A/B~~, ECE 3374A/B.

Applied Project Requirement: At least one of Business Administration 4430 (1.0 course) or Business Administration 4410 (1.0 course).

**Fifth Year Program**

ES 4498F/G, **MME 3350A/B**, MME 4492A/B, MME 4499.

~~Two~~ **One** 0.5 technical electives.

3.0 Business Administration courses:

0.5 course: International Perspective Requirement:

Business Administration 4505A/B.

0.5 course: Corporations and Society Perspective Requirement: at least one 0.5 course from Business Administration 4521A/B, 4522A/B, 4523A/B or other business elective as determined and approved by the HBA Program Director to satisfy this requirement.

2.0 elective courses chosen from 4000 level Business courses.

### **Exchange Programs**

Students enrolled in the combined program are not eligible for an exchange program with the Faculty of Engineering; however, they may be eligible for an exchange through the Richard Ivey School of Business in Year Five. This will require advanced planning and approval of both faculties.

## **FACULTY OF LAW**

*Effective **September 1, 2013**, the description of the Western/Laval Joint Program will be revised in the Faculty of Law.*

### **WESTERN/LAVAL JOINT PROGRAM**

Given the importance of bilingualism and the advantages of knowing both Canadian legal systems, The University of Western Ontario and L'Université Laval have agreed to offer students the opportunity to obtain both the common law and civil law degrees after a combined four years of study at both institutions.

The objective of the program is to offer Western and Laval students the possibility of obtaining a law degree from the institution in the other legal system. This will allow the students not only the opportunity of developing their skills in the other official language and their knowledge of the other legal system, but it will also allow them to have access to both the Law Society of Upper Canada and the Barreau du Québec.

#### **Description**

To be eligible for the program students must (i) have completed either a JD (Western) or an LLB (Laval) while standing in the top 50% of their year (based on the aggregate of their grades from all years), (ii) have participated in the Laval/Western Law Exchange Program during their law program and (iii) have demonstrated the ability to learn law in the other language.

The enrollment of any students in this program will not affect the number of students admissible into the first year of law at Western.

The student is registered at the institution he or she is attending during the fourth year.

#### **Program of Study**

##### **For Laval students at Western**

Students must complete the following courses:

- Contracts (5 credits)
- Torts (5 credits)
- Property (5 credits)
- Civil Procedure (4 credits)

Students must also complete or have completed, either at Laval or Western, the following courses or their equivalent, as approved by the Associate Dean (Academic) at Western:

- Corporate Law
- Legal Ethics and Professionalism

and three of the following five courses:

- Income Taxation
- Evidence
- Administrative Law
- Public International Law
- Trusts

**Students must satisfy Western's essay requirement.**

Students must select other courses from the range of courses offered at Western to total 29 - 31 credits for fourth year.

Students cannot select Western courses that are considered equivalent to courses they have already taken at

Laval, except with the approval of the Associate Dean (Academic). A list of equivalents is available from the Office of the Associate Dean (Academic) **Western Law's International Programs Office.**

### For Western Students at Laval

Students must complete the following courses:

- Obligations conventionnelles (DRT-11385) **I: Contrat (DRT- 1001)**
- Droit des biens (DRT-11390) **(DRT- 1003)**
- Droit des personnes (DRT-11394) **physiques et de la famille (DRT- 1004)**
- Obligations extracontractuelles (DRT-11386) **II: Responsabilité (DRT- 2000)**
- ~~Droit Judiciaire I (DRT-11389)~~ **Procédure civile I (DRT-1006)**
- ~~Execution and extinction des obligations (DRT-11399)~~ **Obligations III: Exécution et extinction (DRT- 2002)**
- ~~Droit de L'entreprise (DRT-11410)~~ **et ses principaux contrats (DRT- 2004)**
- ~~Droit du travail fondamental (DRT-11401)~~ **(DRT- 2003)** (unless a Laval equivalent has been or is taken)

Students must also complete one course in each of the ~~three~~ **two** blocks (critical **and** methodology **and** international). ~~Foundations of Canadian Law and Legal Ethics and Professionalism collectively satisfy~~ **satisfies** the requirement of the critical block and Legal Research, Writing and Advocacy satisfies the methodological component.

The following optional courses are suggested:

- ~~Sûretés réelles et publicité des droits (DRT-19489)~~ **(DRT- 2250)**
- ~~Contrats de vente, de louage et d'entreprise ou de service (DRT-11415)~~ **(DRT- 2251)**
- ~~Droit de la famille (DRT-15009)~~ **(DRT- 2252)**
- ~~Droit judiciaire II (DRT-11402)~~ **Procédure civile II (DRT- 2450)**
- **Courses in Québec private law**

Students must select other courses from the optional curriculum to complete a total of 45 credits at Laval, including the 15 credits completed during their Laval Exchange term. The optional courses selected cannot be equivalent to the ones completed at Western. A list of equivalents is available from the Office of the Associate Dean (Academic) **Laval's Faculty of Law Student Mobility Coordinator.**

### Evaluation

Western students at Laval must follow the regular schedules and methods of examination of that Faculty. They may write examinations and papers in English.

Laval students at Western must follow the regular schedules and methods of examination of that Faculty. A student whose first language is not English may be given extra time to write examinations, and the length of the extra time will be determined by the Associate Dean (Academic).

## FACULTY OF SCIENCE

### ANATOMY AND CELL BIOLOGY

Effective **September 1, 2013**, the prerequisites for Anatomy and Cell Biology 4410A and 4411B will be revised.

#### **Anatomy and Cell Biology 4410A – Discovery-Based Cell Biology I**

This course focuses on advanced cell biological principles and the research pathways that lead to new discoveries in cytoskeletal regulation and cancer cell biology. Students will examine the controversial social/ethical parameters that guide bench-to-bedside experimentation and clinical translation, and will be trained in effective verbal and written scientific presentations.

Prerequisite(s): ~~Either~~ **One of** Biology 3316A/B **or** Physiology 3140A with a minimum mark of 70% (~~preferred~~), or Anatomy and Cell Biology 3309 with a minimum mark of 75%. **The preferred prerequisite is one of Biology 3316A/B or Physiology 3140A.**

3 lecture hours, 0.5 course

#### **Anatomy and Cell Biology 4411B – Discovery-Based Cell Biology II**

This course focuses on cell signalling diseases, cell specialization, stem cells, cloning and the cell biology of aging. Students will be trained in effective verbal and written scientific presentations.

Prerequisite(s): ~~Either~~ **One of** Biology 3316A/B **or** Physiology 3140A with a minimum mark of 70% (~~preferred~~),

or Anatomy and Cell Biology 3309 with a minimum mark of 75%. **The preferred prerequisite is one of Biology 3316A/B or Physiology 3140A.**

3 lecture hours, 0.5 course

*Effective **September 1, 2013**, the Minor in Medical Cell Biology will be revised.*

## **MINOR IN MEDICAL CELL BIOLOGY**

### **Admission Requirements**

Completion of first-year requirements, including the following courses with a mark of at least 60% in each (full or half) course:

1.0 course: Biology 1001A and 1002B, or the former Biology 1222 or 1223.

1.0 course: **Chemistry 1301A/B and 1302A/B, or the former Chemistry 1100A/B and 1200B**, or the former Chemistry 4020, 1050, or 023.

Note: Biology 1201A with a mark of at least 70% may be used in place of Biology 1001A, and Biology 1202B with a mark of at least 70% may be used in place of Biology 1002B.

### **Module**

4.0 courses:

0.5 course: Biochemistry 2280A.

0.5 course: Chemistry 2213A/B.

0.5 course: Biology 2382B.

0.5 course from: Biology 2290F/G, 2581B.

2.0 courses from: Anatomy and Cell Biology 3309, 3319, 4410A, 4411B, 4429A, 4451F/G or the former 4451A, Anatomy and Cell Biology **4452A/B**, 4461B, **one of** Biology 3316A/B or Physiology 3140A.

**Some modular courses include a mark requirement in their prerequisite(s). See UNDERGRADUATE COURSE INFORMATION.**

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## **CHEMISTRY**

*Effective **September 1, 2013**, Chemistry 2003A/B "Organic and Biological Chemistry for Food Science" will be introduced.*

### **Chemistry 2003A/B -Organic Chemistry for Food Science**

An overview of the properties and common reactions of selected functional groups and biomolecules, including carbohydrates, proteins, and lipids. Emphasis will be placed on the importance and application of organic chemistry in the food sciences.

Antirequisites: Chemistry 2213A/B, 2223B, 2273A, and 2283G.

Prerequisites: Chemistry 1200B (from September 2014 onwards: Chemistry 1302B or the former Chemistry 1200B)

3 lecture hours, 3 laboratory/tutorial hours, 0.5 course.

Enrollment limited to students registered in Foods & Nutrition. Brescia University College, or by special permission of the Department of Chemistry.

## **ENVIRONMENTAL SCIENCE**

*Effective **September 1, 2013**, the Environmental Science Course List be modified.*

### **Environmental Life Science Courses**

Anthropology 2264F/G, 2265F/G, 3334F/G

Biology 2217B, 2290F/G, 2404A, 2471A/B, **2484A**, 2485B, 2486A, 3220Z, **3222F**, 3404F/G, 3435F/G, 3436F/G, 3440A/B, 3442F/G, 3445F, 3446B, 3475A/B, **3484A/B**, **3603A**, 4223F/G, 4230A/B, 4243G, 4257Z, 4258Z, 4259F/G, 4405F/G, 4436F/G, 4441F, **4608G**, the former **2484A** or 3421F;

Earth Sciences 2265A/B, 3369A/B;

Geography 2131A/B, 2320A/B, 3321A/B;

Pathology 3240A, 3245B;

The former Pharmacology 3560A/B or 357;  
 Microbiology and Immunology 2100A;  
 Or a course approved for this category by an Environmental Science counsellor.

### **Environmental Physical Science Courses**

Chemical and Biochemical Engineering 4409A/B or the former 3363A/B;  
 Chemistry 2213A/B, 2272F, 3372F/G;  
 Civil and Environmental Engineering 3328A/B, 3362A/B, 4405A/B, 4465A/B, 4477A/B;  
 Earth Sciences 2200A/B, 2220A/B, 2222A/B, 2230A/B, 2240F/G, 3320A/B, 3321A/B, 3340A/B, 3341A/B, 4431A/B, 4440A/B;  
 Geography 2122A/B, 2210A/B, 2220A/B, 2230A/B, 2240A/B, 2310A/B, 2330A/B, 3221A/B, 3222A/B, 3223A/B, 3231A/B, 3260A/B, 3311A/B, 3312A/B, 3331A/B, 3333A/B, 3334A/B, 3341A/B, 3342A/B, 3350A/B, 3351A/B, 3352A/B;  
 Medical Biophysics 3336F/G;  
 Physics 2070A/B (not available for credit to students registered in the Faculty of Science if the course was taken after September 1, 2011), the former Physics 2700A/B;  
 Or a course approved for this category by an Environmental Science counsellor.

### **Environmental Philosophy, Policy and Political Science Courses**

Anthropology 2203F/G, 3336F/G, 3369F/G;  
 Economics 2172A/B or 3374A/B;  
 Economics 2170A/B (Huron);  
 First Nations Studies 2111E, 2132F/G, 2203F/G, 2218F/G, 2601F/G, 3140F/G, 3722F/G;  
 Geography All courses in the 2010-2090 series, the 2151-2162 series, and the 2410-2460 series,  
 Geography 3250A/B, 3432A/B, 3441F/G, 3451A/B, 3452A/B, 3453F/G, 3459A/B, 4430A/B;  
 History 3225F/G (additional antirequisite, History 2123), History 3407F/G, History 2123 (Brescia; additional antirequisite, History 3225F/G), History 2211E, 3217E, 4705E;  
 Political Science 2137, 2235E; Political Science 3379E (Huron);  
 Philosophy 2033A/B, 2035F/G;  
 Sociology 2103F/G, 2104F/G, 2107A/B, 2151A/B;  
 Or a course approved for this category by an Environmental Science counsellor.

**Note:** Students should plan their course selection taking into account prerequisites for senior courses

## **MATHEMATICS**

*Effective September 1, 2013, the following courses be withdrawn from the course offerings of the Department of Mathematics.*

Mathematics 2212A/B – Complex Variables  
 Mathematics 2290 – Algebra  
 Mathematics 2291 – Elementary Theory of Numbers  
 Mathematics 2292 – Synthetic Geometry  
 Mathematics 2293 – Elementary Operations Research  
 Mathematics 4160A/B – Ordinary Differential Equations  
 Mathematics 4161A/B – Linear Ordinary Differential Equations

## **PHYSICS AND ASTRONOMY**

*Effective September 1 2013, the Department of Physics and Astronomy in the Faculty of Science withdraw the course Physics 2128A/B – Fundamental Concepts of Medical Imaging .*

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## **FACULTY OF SOCIAL SCIENCE**

### **GEOGRAPHY**

Effective **September 1, 2013**, *Geography 2230A/B Remote Sensing* will be added to the list of courses for the Major in Geography module.

## MAJOR IN GEOGRAPHY

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### Module

6.0 courses:

0.5 course: Geography 2210A/B\* (normally taken in Year 2).

1.0 courses from: Geography 2220A/B, **2230A/B**, 2240A/B, 3250A/B or the former 2250A/B.

1.5 courses from: Geography 2310A/B, 2320A/B, 2330A/B, 2410A/B, 2411F/G, 2420A/B, 2430A/B, 2450F/G, 2460F/G, the former 2340A/B.

0.5 course from: Geography courses numbered 2000 or above.

2.5 additional courses in Geography numbered 3000 or above.

Effective **September 1, 2013**, *Geography 3250A/B Geographic Research: Methods and Issues* will be revised.

### **Geography 3250A/B – Geographic Research: Methods and Issues** **Social Science Research Methods in Geography**

A survey of a range of geography research methods, both the models and the techniques employed, and issues arising from their use. **social scientific methods for studying humans (e.g., interviews, questionnaires); with an emphasis on research designs involving human interaction.** Topics covered include **identifying** research **problems**, questions and designs, sources of error, ethics and values in research, methods of data collection, data analysis and presentation of findings.

Antirequisite(s): The former Geography 2250A/B (the former 237a/b).

Prerequisite(s): Two full courses in Geography and third or fourth year status at the University.

2 lecture hours, 2 laboratory hours, 0.5 course.

## HISTORY

Effective **September 1, 2013**, *History 2609E – Modern South Asia* and *History 2411E – Modern Italy*, be withdrawn from the course offerings.

Effective **September 1, 2013**, remove *History 2609E* from History modules.

## HONORS SPECIALIZATION IN HISTORY

### 9.0 courses:

2.0\* courses: 1.0 each from two of the following three areas:

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World: History 2501E, 2601E, 2605E, 2606E, ~~2609E~~, 2611E.

\* 2.0 of these 3.0 courses must be taken before year 3. The third must be taken before year 4. To be eligible to progress in the Honors History program, a mark of 70% is required in 2.0 of the following courses (History 2201E, 2205E, 2301E, 2401E, 2403E, 2404E, 2501E, 2601E, 2605E, ~~2609E~~, 2611E) and the 3.0 courses must be completed with an average of at least 70% with no mark less than 60%.

## MAJOR IN HISTORY

### 7.0 courses

2.0\* courses: 1.0 each from two of the following three areas:

...

World: History 2501E, 2601E, 2605E, 2606E, ~~2609E~~, 2611E.

## SPECIALIZATION IN HISTORY

### 9.0 courses:

2.0\* courses: 1.0 each from two of the following three areas:

...

World: History 2501E, 2601E, 2605E, 2606E, ~~2609E~~, 2611E.

**MINOR IN HISTORY****5.0 courses**

1.0 course from any of the following three ...

...

World: History 2501E, 2601E, 2605E, 2606E, ~~2609E~~, 2611E.

Effective **September 1, 2013**, introduce History 3715F/G: *The Pursuit of Peace in the Transatlantic World, 1815-1991*.

**History 3715F/G: The Pursuit of Peace in the Transatlantic World, 1815-1991**

This international history course examines how individuals, states, and non-state actors have tried to create a peaceful world order. We will study peace settlements, the ideas of peace activists and policymakers, cooperation and conflict amongst states, as well as the relationship between war and peace.

Prerequisite(s): 1.0 History course at the 2200 level or above.

3 hours 0.5 course

**MANAGEMENT AND ORGANIZATIONAL STUDIES**

Effective **March 1, 2013**, MOS 3399: *Internship* will be withdrawn and introduce MOS 3490: *Internship*, MOS 3491: *Internship*, MOS 3492: *Internship* and MOS 3493: *Internship in the DAN Program in Management and Organizational Studies on Main Campus and at all Affiliated University Colleges*.

**Management and Organizational Studies 3490 – Internship**

Preparatory workshops and an 8 month industry placement to acquire practical professional learning experience. The course will be taught as a series of workshops throughout the year. Following the industry placement, interns must complete a written report and oral presentation on work undertaken during the internship.

Prerequisite(s): Business Administration 2257, completion of 2nd year of BMOS Program with a minimum average of 70%, and participation in Preparation and Training Workshops.

Non-credit, Pass/Fail.

Note: (1) Since Internships are not currently available to international students, they are not permitted to register in this course; (2) This credit cannot be included in the number of courses counted toward any degree or program; (3) Successful completion of MOS 3490 will be recognized at the head of a student's degree transcript through the addition of the words "With Internship".

**Management and Organizational Studies 3491 – Internship**

Preparatory workshops and a 9 - 12 month industry placement to acquire practical professional learning experience. The course will be taught as a series of workshops throughout the year. Following the industry placement, interns must complete a written report and oral presentation on work undertaken during the internship.

Prerequisite(s): Business Administration 2257, completion of 2nd year of BMOS Program with a minimum average of 70%, and participation in Preparation and Training Workshops.

Non-credit, Pass/Fail.

Note: (1) Since Internships are not currently available to international students, they are not permitted to register in this course; (2) This credit cannot be included in the number of courses counted toward any degree or program; (3) Successful completion of MOS 3491 will be recognized at the head of a student's degree transcript through the addition of the words "With Internship".

**Management and Organizational Studies 3492 – Internship**

Preparatory workshops and a 13-16 month industry placement to acquire practical professional learning experience. The course will be taught as a series of workshops throughout the year. Following the industry placement, interns must complete a written report and oral presentation on work undertaken during the internship.

Prerequisite(s): Business Administration 2257, completion of 2nd year of BMOS Program with a minimum average of 70%, and participation in Preparation and Training Workshops.

Non-credit, Pass/Fail.

Note: (1) Since Internships are not currently available to international students, they are not permitted to register in this course; (2) This credit cannot be included in the number of courses counted toward any degree or program; (3) Successful completion of MOS 3492 will be recognized at the head of a student's degree transcript through the addition of the words "With Internship".

### **Management and Organizational Studies 3493 – Internship**

Preparatory workshops and a new 8-month industry placement to acquire practical professional learning experience. The course will be taught as a series of workshops throughout the year. Following the industry placement, interns must complete a written report and oral presentation on work undertaken during the internship.

Prerequisite(s): Business Administration 2257, completion of 2nd year of BMOS Program with a minimum average of 70%, participation in Preparation and Training Workshops, and MOS 3490.

Non-credit, Pass/Fail.

Note: (1) Since Internships are not currently available to international students, they are not permitted to register in this course; (2) This credit cannot be included in the number of courses counted toward any degree or program; (3) Successful completion of MOS 3493 will be recognized at the head of a student's degree transcript through the addition of the words "With Internship".

## **POLITICAL SCIENCE**

*Effective **September 1, 2013**, the modular requirements for the Political Science Honors Specialization and Majors will be amended.*

### **HONORS SPECIALIZATION IN POLITICAL SCIENCE**

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Note: Students registered in the Honors Specialization in Political Science may ~~not register in 2100-level Political Science courses either as a modular or elective course~~ register in a maximum of 1.0 2100-level Political Science courses. These courses may only be used as electives and cannot be counted towards the Honors Specialization in Political Science modular requirements.

### **MAJOR IN POLITICAL SCIENCE**

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Note: Students registered in a Major in Political Science may ~~not register in 2100-level Political Science courses either as a modular or elective course~~ register in a maximum of 1.0 2100-level Political Science courses. These courses may only be used as electives and cannot be counted towards the Major in Political Science modular requirements.

## **PSYCHOLOGY**

*Effective **January 1, 2013**, Neuroscience 2000, Introduction to Neuroscience, will be added as pre-requisite to the calendar descriptions of the following courses.*

### **Psychology 3209F/G - Neuroscience of Motivation and Emotion**

An examination of motivation and emotion from a variety of perspectives. Biological, cognitive, developmental, evolutionary, physiological and social approaches to motivation and emotion may be considered.

Antirequisite(s): Psychology 2280E.

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2220A/B, 2221A/B or Neuroscience 2000.

3 lecture/discussion hours, 0.5 course.

### **Psychology 3220A/B - Behavioral Genetics**

An introduction to the study of the relationships between genes and behavior. Topics include basics of cellular and molecular genetics, nature, nurture and behavior, historical approaches to behavior genetics, gene manipulations, neurogenetics, behavior genetic designs in humans, individual differences in motivation and emotion, and individual differences in mental abilities and personality.

Antirequisite(s): The former Psychology 384G taken in 2003, 2004 or 2005; The former Psychology 4220F/G.



Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2220A/B, 2221A/B or Neuroscience 2000. Minimum grade of 60% required in all prerequisite courses.  
3 lecture /discussion hours, 0.5 course.

### **Psychology 3221F/G - Animal Behavior**

An introduction to the scientific study of animal behavior, emphasizing evolutionary and ecological influences on behavior. Recent research from the field and the laboratory will be used to illustrate such topics as communication, foraging, orientation, territoriality, mate choice, altruism, and animal cognition.

Antirequisite(s): Biology 3436F/G

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2220A/B, 2221A/B, or Neuroscience 2000

3 lecture/discussion hours, 0.5 course.

### **Psychology 3224A/B - Neuropsychology and Cognitive Neuroscience**

Neural mechanisms in human perception, spatial orientation, memory, language, and motor behavior.

Antirequisite(s): Psychology 3227A/B

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2220A/B, 2221A/B or Neuroscience 2000

3 lecture/discussion hours, 0.5 course.

### **Psychology 3225A/B - Sex Differences in Human Brain and Behavior**

An evolutionary and biological approach to understanding the differences between men and women. Topics include sociobiological explanations of sex roles; gonadal and brain sexual differentiation; hormonal factors in aggression, sexual preference and gender identity; sex differences in cognitive function; genetic and hormonal influences on sexually dimorphic brain function.

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2220A/B, 2221A/B or Neuroscience 2000. Minimum grade of 60% required in all prerequisite courses.

3 lecture/discussion hours, 0.5 course.

### **Psychology 3226A/B - Hormones and Behavior**

An in-depth review of current research problems in the field and the biological mechanisms by which hormones can affect behaviour. Topics may include hormones and brain development, sexual differentiation, sexual and courtship behaviour, parental behaviour, aggressive behaviour, stress, food intake, and endocrine disorders in humans.

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2220A/B, 2221A/B or Neuroscience 2000.

3 lecture/discussion hours, 0.5 course.

### **Psychology 3229A/B - Evolution and Human Behavior**

A survey of evolutionary approaches to the study of human behavior, including evolutionary psychology.

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2220A/B, 2221A/B or Neuroscience 2000. Minimum grade of 60% required in all prerequisite courses.

3 lecture/discussion hours, 0.5 course.

### **Psychology 3230F/G - Cognitive Neuroscience of Music**

An in-depth examination of music and the brain. After reviewing neuroscience techniques, we will discuss music and evolutionary theories, emotional responses, comparisons to language, effects on children, and changes of brain structure in musicians.

Antirequisite(s): Psychology 3190F if taken in Fall of 2011.

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2115A/B, 2134A/B, 2135A/B, 2220A/B, or 2221A/B or Neuroscience 2000 .

3 lecture hours, 0.5 course.

### **Psychology 3285F/G - Research in Behavioral Neuroscience**

An introduction to techniques used to investigate the neural and endocrine bases of behavior.

Prerequisite(s): Psychology 2800E, 2810, and one of Psychology 2220A/B, ~~or~~ 2221A/B or Neuroscience 2000, plus registration in third or fourth year Honors Specialization in Psychology or Honors Specialization in Developmental Cognitive Neuroscience, Honors Specialization in Physiology and Psychology or Honors Specialization in Animal Behavior. Third or fourth year Psychology Majors and Special Students who receive 70% or higher in Psychology 2820E and 60% or higher in other prerequisite courses also may enroll in this course.

1 lecture hour/3 laboratory hours, 0.5 course.

### **Psychology 3295F/G - Special Topics in Behavioral and Cognitive Neuroscience**

Topic available in Department.

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2220A/B, 2221A/B or Neuroscience 2000

3 lecture hours, 0.5 course.

### **Psychology 3440F/G - Developmental Cognitive Neuroscience**

An introduction to the way in which genetic and experiential factors interactively contribute to the emergence of adaptive neural structures underlying visual processing, face perception, number processing, language, memory, and executive functions.

Antirequisite(s): The former Psychology 347G if taken in 2007

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2040A/B, 2410A/B, 2220A/B, 2221A/B or Neuroscience 2000

3 lecture/seminar hours, 0.5 course.

### **Psychology 3441F/G - Frontal Cortex and the Development of Cognitive Control**

An in-depth theoretical and methodological examination of the association between the development of cognitive control and age-related changes in prefrontal cortex structure and function.

Antirequisite(s): The former Psychology 347G if taken in 2007

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2040A/B, 2410A/B, 2220A/B, 2221A/B or Neuroscience 2000.

3 lecture/seminar hours, 0.5 course.

### **Psychology 3442F/G - Mind, Brain and Education**

The course reviews data from recent cognitive neuroscience research on educationally-relevant cognitive functions. Discussions will focus on how such studies may be useful to education and how, in turn, insights from education may inform developmental cognitive neuroscience research.

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2040A/B, 2410A/B, 2220A/B, 2221A/B or Neuroscience 2000.

3 lecture/seminar hours, 0.5 course.

### **Psychology 3443F/G - Development of the Mathematical Brain**

An examination of how children develop numerical abilities from infancy onwards, focussing on the roles of memory, spatial ability, and language. The course will also examine well-publicized studies on the poor levels of performance in mathematics among North American students, and compare this to student performance in other countries.

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2040A/B, 2410A/B, 2220A/B, 2221A/B or Neuroscience 2000

3 lecture/seminar hours, 0.5 course

### **Psychology 3485F/G - Research in Developmental Cognitive Neuroscience**

An introduction to the design, administration, and interpretation of developmental cognitive neuroscience research. Students receive instruction in the formulation of developmental research questions and the choice of appropriate methods, and training in the analysis, and interpretation of pediatric evoked response potential (ERP) and functional magnetic resonance imaging (fMRI) data.

Prerequisite(s): Psychology 2800E, 2810 and one of Psychology 2040A/B, 2410A/B, 2220A/B, 2221A/B, 2410A/B or Neuroscience 2000, plus registration in third or fourth year Honors Specialization in Psychology or

Honors Specialization in Developmental Cognitive Neuroscience. Third or fourth year Psychology Majors and Special Students who receive 70% or higher in Psychology 2820E and 60% or higher in other prerequisite courses also may enroll in this course.

4 lecture/laboratory hours, 0.5 course

### **Psychology 4222F/G - Behavioral Pharmacology**

This course examines drugs, brain and behavior using principles of neurophysiology, neuroanatomy, synaptic transmission and research methods in psychopharmacology. Topics include: major neurotransmitter systems and their relations to psychoactive drug effects, drug addiction and major substances abuse and the biochemical bases of psychopathology and drugs used to treat affective disorders.

Antirequisite(s): ~~The former Psychology 428F taken in 2006 or 2007.~~

Prerequisite(s): **One of** Psychology 2220A/B ~~or the former 221a/b and~~, **2210A/B or Neuroscience 2000**, plus registration in third or fourth year Honors Specialization in Psychology, Physiology and Psychology, Honors Specialization in Developmental Cognitive Neuroscience or Honors Specialization in Animal Behaviour. Other Psychology students and Special Students who receive 70% in the prerequisite course(s) may enroll in this course.

3 seminar hours, 0.5 course.

### **Psychology 4223F/G - Brain, Behavior, and the Immune System**

This course will introduce the basic concepts of immune system function. The functional consequences of the relationship between the nervous system and the immune system will be examined with a special focus on immune influences on brain functions, and the influence of stress and psychological processes on the immune system.

Antirequisite(s): ~~Psychology 4295F taken in 2009.~~

Prerequisite(s): **One of** Psychology 2220A/B, ~~or~~ 2221A/B **or Neuroscience 2000** and registration in third or fourth year Honors Specialization in Psychology, Honors Specialization in Developmental Cognitive Neuroscience, Honors Specialization in Physiology/Psychology or Honors Specialization in Animal Behaviour. Other Psychology students and Special Students who receive 70% in the prerequisite course(s) may enroll in this course.

3 seminar hours, 0.5 course.

### **Psychology 4290F/G - Special Topics in Animal Behaviour and Animal Cognition**

Topic available in Department.

Prerequisite(s): **One of** Psychology 2220A/B, ~~or~~ 2221A/B **or Neuroscience 2000** and registration in third or fourth year Honors Specialization in Psychology, Honors Specialization in Developmental Cognitive Neuroscience, Honors Specialization in Physiology/Psychology or Honors Specialization in Animal Behavior. Other Psychology students and Special Students who receive 70% in the prerequisite course(s) may enroll in this course.

3 seminar hours, 0.5 course.

### **Psychology 4295F/G - Special Topics in Behavioral and Cognitive Neuroscience**

Topic available in Department.

Prerequisite(s): **One of** Psychology 2220A/B, ~~or~~ 2221A/B **or Neuroscience 2000** and registration in third or fourth year Honors Specialization in Psychology, Honors Specialization in Developmental Cognitive Neuroscience, Honors Specialization in Physiology/Psychology or Honors Specialization in Animal Behavior. Other Psychology students and Special Students who receive 70% in the prerequisite course(s) may enroll in this course.

3 seminar hours, 0.5 course.

*Effective **January 1, 2013**, Psychology 2310A/B, Abnormal Psychology will be added as an anti-requisite to 2030A/B, Human Adjustment.*

### **Psychology 2030A/B – Human Adjustment**

This course will survey various categories of maladjusted behavior and consider different explanatory models and treatment strategies for the control of such behavior. Theories of human adjustment and maladjustment will

be reviewed.

Antirequisite(s): Psychology 2050, 2310A/B and 3310F/G  
3 lecture hours, 0.5 course.

*Effective January 1, 2013, Psychology 2320A/B, Abnormal Child Psychology will be added as an anti-requisite to 2042A/B, Exceptional Children: Behavioral Disorders.*

### **Psychology 2042A/B - Exceptional Children: Behavioral Disorders**

This half course will cover theory and treatment related to major psychological disorders of childhood, including depression, anxiety, attention deficit disorder, conduct problems, and the impact of child maltreatment.

Antirequisite(s): Psychology 2041, 2320A/B, 3320F/G, 3434E.  
3 lecture hours, 0.5 course.

*Effective January 1, 2013, Psychology 3215A/B, Sex Differences in Behavioural Neuroscience, will be added as an anti-requisite to Psychology 3225A/B, Sex Differences in Human Brain and Behavior.*

### **Psychology 3225A/B - Sex Differences in Human Brain and Behavior**

An evolutionary and biological approach to understanding the differences between men and women. Topics include sociobiological explanations of sex roles; gonadal and brain sexual differentiation; hormonal factors in aggression, sexual preference and gender identity; sex differences in cognitive function; genetic and hormonal influences on sexually dimorphic brain function.

Antirequisite(s): Psychology 3215F/G

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2220A/B, 2221A/B. Minimum grade of 60% required in all prerequisite courses.

3 lecture/discussion hours, 0.5 course.

*Effective January 1, 2013, Psychology 3215A/B, Sex Differences in Behavioural Neuroscience, will be added as an anti-requisite to Psychology 3226A/B, Hormones and Behavior.*

### **Psychology 3226A/B - Hormones and Behavior**

An in-depth review of current research problems in the field and the biological mechanisms by which hormones can affect behaviour. Topics may include hormones and brain development, sexual differentiation, sexual and courtship behaviour, parental behaviour, aggressive behaviour, stress, food intake, and endocrine disorders in humans.

Antirequisite(s): Psychology 3215F/G

Prerequisite(s): Psychology 2820E or both Psychology 2800E and 2810, and one of Psychology 2220A/B, 2221A/B.

3 lecture/discussion hours, 0.5 course

## **SOCIOLOGY**

*Effective September 1st, 2013, the pre-requisite list for Sociology 2256A/B will be revised.*

### **Sociology 2256A/B – Sociology of Correction**

Course description: No change.

Pre-requisite(s): Sociology 1020 or 1024E Sociology 2253A/B

3 lecture hours, 0.5 course.

*Effective September 1st, 2013, the pre-requisite list for Sociology 2267A/B will be revised.*

### **Sociology 2267A/B – Youth in Conflict with the Law**

Course description: No change.

Pre-requisite(s): Sociology 1020 or 1024E Sociology 2266A/B

3 lecture hours, 0.5 course.

*Effective September 1st, 2013, the pre-requisite list for Sociology 3312F/G will be revised.*

**Sociology 3312F/G – Wrongfully Convicted**

Course description: No change.

Pre-requisite(s): Sociology 2253A/B, and enrolment in third or fourth year of one of the Honors Specializations or Majors in Sociology and 2266A/B

3 lecture hours, 0.5 course.

Effective **September 1st, 2013**, the pre-requisite list for Sociology 3358F/G will be revised.

**Sociology 3358F/G – Wrongfully Convicted**

Course description: No change.

Antirequisite(s): The former Sociology 2257A/B

Pre-requisite(s): Sociology 2266A/B, and enrolment in third or fourth year in either Honors Specialization in Criminology or Honors Specialization in Sociology of one of the Honors Specializations or Majors in Sociology.

3 hours, 0.5 course.

Effective **September 1st, 2013**, the pre-requisite list for Sociology 4407F/G will be revised.

**Sociology 4407F/G – Criminological Theory and Research**

Course description: No change.

Antirequisite(s): Sociology 4486G taught in 2010.

Pre-requisite(s): Enrolment in fourth year of the Honors Specialization in Criminology Sociology 2253A/B, Sociology 2266A/B, and enrolment in third or fourth year of one of the Honors Specializations or Majors in Sociology.

3 seminar hours, 0.5 course.

Effective **September 1st, 2013**, the pre-requisite list for Sociology 4432F/G will be revised.

**Sociology 4432F/G – Forensics and Criminal Investigation**

Course description: No change.

Pre-requisite(s): Sociology 2253A/B and 2266A/B and enrolment in fourth year of one of the Honors Specializations or Honors Double Majors in Sociology or Criminology.

3 lecture hours, 0.5 course.

Effective **September 1st, 2013**, the pre-requisite list for Sociology 4442F/G will be revised.

**Sociology 4442F/G – Serial Killers**

Course description: No change.

Pre-requisite(s): Sociology 2253A/B, and Sociology 2266A/B and enrolment in fourth year of one of the Honors Specializations or Honors Double Majors in Sociology or Criminology.

3 seminar hours, 0.5 course.

Effective **September 1st, 2013**, the pre-requisite list for Sociology 4451F/G will be revised.

**Sociology 4451F/G – Policing and Society**

Course description: No change.

Pre-requisite(s): Sociology 2253A/B and enrolment in fourth year of one of the Honors Specializations or Honors Double Majors in Sociology.

3 seminar hours, 0.5 course.

Effective **September 1, 2013**, introduce three new first-year sociology half courses and add them to Sociology and Criminology modules.

**Sociology 1025A/B - Society and You**

The sociological imagination helps us see how society shapes our lives and how we, as individuals, can change society. It also helps us understand the relationship between problems we face as individuals and issues in

society as a whole. We focus on three core issues: inequality, institutions, and social change.  
3 hours, 0.5 course.

### **Sociology 1026F/G - Controversies in Sociology**

Conceptions of ourselves and society are often based on taken-for-granted meanings. This course critically analyzes these meanings in order to disclose what likely are their underlying economic, political, religious, educational and gender/sexual themes.

3 hours, 0.5 course.

### **Sociology 1027A/B - Life is not Always Fair**

In this introductory sociology course, we will challenge commonly held assumptions about individual success, talent and merit. Students will be introduced to important sociological debates about the nature of inequality, and how different social institutions and processes are implicated in the creation and maintenance of this inequality.

3 hours, 0.5 course.

## **HONORS SPECIALIZATION IN [SOCIOLOGY, CRIMINOLOGY]**

### **Admission Requirements**

Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including 1.0 from: Sociology 1020, or 1021E, 1025A/B, 1026F/G, 1027A/B, plus 2.0 additional courses, with no mark in these principal courses below 60%.

## **MAJOR IN [SOCIOLOGY, CRIMINOLOGY, SOCIOLOGY OF HEALTH AND AGING]**

### **MINOR IN [SOCIOLOGY, CRIMINOLOGY]**

### **Admission Requirements**

Completion of first-year requirements, including 1.0 from: Sociology 1020, or 1021E, 1025A/B, 1026F/G, 1027A/B with a mark in each sociology course of at least 60%.

*Effective September 1, 2013, Sociology 2180A/B "Development and Health Inequalities" will be introduced in the Faculty of Social Science.*

### **Sociology 2180A/B Development and Health Inequalities**

This course covers the health of populations in comparative and historical context. It focuses on the factors behind the recent improvements in health and the causes of large health inequalities. Major health policy issues in both developing and developed countries are investigated, such as reproductive health, HIV/AIDS, smoking, and violence.

Antirequisite(s): The former SOC 2280A/B

2 hours, 0.5 course.

*Effective September 1, 2013, Sociology 3381F/G "Migration and Family" will be introduced in the Faculty of Social Science.*

### **Sociology 3381F/G Migration and Family**

This course examines how family needs and within-family dynamics inform decisions to migrate and investigates how migration alters family organization in sending and receiving communities. The course will consider concepts, theories, and data which lend themselves to the study of the interdependencies between migration and family life.

Antirequisite(s): Family Studies 2225

Prerequisite(s): Enrolment in third or fourth year of one of the Honors Specializations or Honors Double Major in Sociology and Sociology 2205A/B.

3 seminar hours, 0.5 course.

*Effective September 1, 2013, Sociology 2279A/B – Development and Health Inequalities, be withdrawn from course offerings.*

Effective **September 1, 2013**, calendar text outlining the Sociology Department's prerequisite list for Sociology courses will be revised in the following list of courses.

**Sociology** 2202, 2212A/B, 2233, 2235, 2234E, 2236, 2237, 2239, 2241E, 2246A/B, 2247A/B, 2253A/B, 2259, 2260A/B, 2263A/B, 2266A/B, 2281A/B, 2285A/B

Prerequisite(s): 1.0 from: Sociology 1020, or 1021E, 1025A/B, 1026F/G, 1027A/B

Effective **September 1, 2013**, calendar text outlining the Sociology Department's prerequisite list for Sociology courses will be revised in the following two courses.

**Sociology** 2240E, 2270A/B

Prerequisite(s): At least 60% in 1.0 from: Sociology 1020, or 1021E, 1025A/B, 1026F/G, 1027A/B

## BRESCIA UNIVERSITY COLLEGE

### FAMILY STUDIES

Effective **September 1, 2013**, the Nutrition and Families Modules (Major, Sp., and HSp) – BA (Human Ecology) will be revised in order to reflect course updates and ensure consistency between modules.

#### MAJOR IN NUTRITION AND FAMILIES – BA (HUMAN ECOLOGY)

This module, appropriate for (but not exclusive to) those wishing to go on to a Faculty of Education, combines coursework from the Division of Food and Nutritional Sciences and the Division of Sociology and Family Studies. This program may include attaining the designation of Professional Home Economist (P.H.Ec.) post-graduation.

##### Admission Requirements

Completion of first-year requirements including Foods and Nutrition 1021 or 1030E, Family Studies 1020, and Sociology 1020 or 1021E or Psychology 1000, with a mark of at least 60% in each of these courses.

##### Module

6.0 courses:

1.0 course from: ~~Family Studies 2200E or 2225~~ any of the Family Studies 2000-level courses.

0.5 course from: Writing 1020F/G, Writing 2101F/G to be taken no later than the 3rd year, and preferably during the 1st or 2nd year.

1.5 courses from: Foods and Nutrition 2132A/B, ~~2241A/B~~ 2245A/B, 3361A/B, Human Ecology 2222F/G, 2266F/G.

3.0 courses from: Psychology 2041, 2054A/B, 2410A/B, ~~Family Studies 2200E, 2225, 3310A/B, 3320A/B, 3325A/B, 4220A/B, 4230A/B, 4403, the former Family Studies 2230, 4401A/B,~~ any of the Family Studies 2000- (excluding that taken for the first category), 3000- and 4000- level courses, Human Ecology ~~2422A/B, 3330A/B, 3343A/B, 3338A/B, the former 4033A/B.~~

#### SPECIALIZATION IN NUTRITION AND FAMILIES – BA (HUMAN ECOLOGY)

This module, appropriate for (but not exclusive to) those wishing to go on to a Faculty of Education, combines coursework from the Division of Food and Nutritional Sciences and the Division of Sociology and Family Studies. This program includes attaining the designation of Professional Home Economist (P.H.Ec.) post-graduation.

##### Admission Requirements

Completion of first-year requirements with no failures. Students must have an average of at least 60% with no mark below 60% in the following 3.0 principal courses: Foods and Nutrition 1021 or 1030E, Family Studies 1020, Sociology 1020 or Psychology 1000.

##### Module

9.0 courses:

1.0 course from: ~~Family Studies 2200E or 2225~~ any of the Family Studies 2000-level courses.

0.5 course from: Writing 1020F/G, 2101F/G, to be taken no later than the 3rd year, and preferably during the 1st or 2nd year.

2.5 courses: Foods and Nutrition 2132A/B, 2241A/B, 2245A/B, 3361A/B, Human Ecology 2222F/G, 2266F/G.

2.0 courses from: Human Ecology 3343A/B, 3338A/B, Psychology 2041, 2075, 2410A/B, 2054A/B.

3.0 courses from: Foods and Nutrition 3320A/B, 3348A/B, any of the Family Studies 2000- or 3000- or 4000-level courses, excluding that taken in the first category.

0.5 course: Psychology 2410A/B.

1.5 courses from: The former Family Studies 2230A/B, Human Ecology 3343A/B, 3338A/B, 2122A/B, 3330A/B, the former 1033A/B, Psychology 2041, 2075.

1.0 course from: Foods and Nutrition 3320A/B, 3348A/B, Family Studies 3320A/B, 3325A/B, 2225, 2200E.

0.5 course from: Family Studies 3310A/B, 4220A/B, 4230A/B.

An additional 1.5 courses taken from either of the last two groups listed above.

### **HONORS SPECIALIZATION IN NUTRITION AND FAMILIES – BA (HUMAN ECOLOGY)**

This module, appropriate for (but not exclusive to) those wishing to go on to a Faculty of Education, combines coursework from the Division of Food and Nutritional Sciences and the Division of Sociology and Family Studies. This program includes attaining the designation of Professional Home Economist (P.H.Ec.) post-graduation.

#### **Admission Requirements**

Completion of first-year requirements with no failures. Students must have an average of at least 70% with no mark below 60% in the following 3.0 principal courses: Foods and Nutrition 1021 or 1030E, Family Studies 1020, Sociology 1020 or Psychology 1000.

#### **Module**

9.0 courses:

1.0 course from: Family Studies 2200E or 2225 any of the Family Studies 2000-level courses.

0.5 course from: Writing 1020F/G, 2101F/G, to be taken no later than the 3rd year, and preferably during the 1st or 2nd year.

2.0 courses: Foods and Nutrition 2132A/B, 2241A/B, 2245A/B, 3361A/B, Human Ecology 2222F/G, 2266F/G.

1.0 course from: Psychology 2850A/B and Psychology 2855F/G, Sociology 2205A/B and Sociology 2206A/B.

1.0 course: Family Studies 4220A/B, 4230A/B.

1.5 courses from: The former Family Studies 2230, Psychology 2410A/B, Human Ecology 3343A/B, Human Ecology 3338A/B, 2122A/B, 3330A/B, the former 1033A/B, Psychology 2041, 2054A/B, 2075.

1.0 course from: Foods and Nutrition 3320A/B, 3348A/B, Family Studies 2225, 3310A/B, 3320A/B, 3325A/B,

4403, the former 4401A/B any Family Studies 2000- 3000- or 4000-level course, excluding those taken in other categories.

An additional 1.0 course taken from either of the last two groups listed above.

### **FOODS AND NUTRITION**

Effective **September 1, 2013**, Foods and Nutrition 3380A/B Policy Development and Advocacy be introduced by Brescia University College.

#### **Foods and Nutrition 3380A/B Policy Development and Advocacy**

This course examines policy development in government and the strategies and actions taken by advocacy groups to influence government in the making and implementation of policy and programs. The focus will be on policies affecting foods and nutrition in Canada, but other areas will also be considered.

Prerequisite: Human Ecology 2266F/G Communications and year 3 in the Foods and Nutrition programs or permission of the Division of Food and Nutritional Sciences

3 lecture hours, 0.5 course

(Brescia)



**ENGLISH**

Effective **September 1, 2013**, the following half-courses will be introduced at King's University College.

**English 2029F/G: Special Topics**

Please consult Department for current offerings.

3 hours, 0.5 course.

(King's)

**English 2058F/G: Special Topics**

Please consult Department for current offerings.

3 hours, 0.5 course.

(King's)

**English 2080F/G: Special Topics**

Please consult Department for current offerings.

3 hours, 0.5 course.

(King's)

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**DAP UPDATE: MINOR CHANGES**

**FACULTY OF SOCIAL SCIENCE**

Effective **September 1, 2013**, the course hours were increased for MOS 3311A/B.

**Management and Organizational Studies 3311A/B – Advanced Finance for Management and Organizational Studies**

Course description: No change.

Antirequisite(s): MOS 4310A/B

Prerequisite(s): MOS 2310A/B or MOS 3310A/B and enrolment in BMOS

~~3~~4 lecture hours, 0.5 course

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