

The following proposals, received on DAP between September 16-30, 2010, have now been approved. For more information on the DAP process see the Academic Handbook at <http://www.uwo.ca/univsec/handbook>.

FACULTY OF ENGINEERING

CIVIL AND ENVIRONMENTAL ENGINEERING

Effective **September 1, 2010**, to change the prerequisites for CEE 2224 to take into account the new Physics courses in first year.

Civil and Environmental Engineering 2224: Engineering Fluid Mechanics

Basic concepts of fluid mechanics: fluid statics; continuity, momentum and energy equations; vortex flow; flow of real fluids and boundary layers; dimensional analysis. These principles are applied to pipe and open channel flows: steady pipe flows, uniform and gradually-varied flow in open channels; sluice gates, weirs and hydraulic jumps, unsteady flows.

Prerequisite(s): ES 1022A/B/Y, Physics 1401A or the former Physics 1026.

Corequisite(s): Applied Mathematics 2411.

3 lecture hours, 1 laboratory hour, 2 tutorial hours, 1.0 course.

ELECTRICAL AND COMPUTER ENGINEERING

Effective **September 1, 2010**, to correct the prerequisite of ECE 3349A/B.

Electrical and Computer Engineering 3349A/B - Introduction of VLSI

This course covers fundamentals of semiconductor physics as applied to microelectronics, theory of semiconductor materials and devices. Students will be exposed to basic elements of CMOS circuitry design, including practical implementation of resistors, capacitors, diodes, transistors and MOSFET. Related topics such as delays, cross-talk, parasitics, temperature effects are included.

Prerequisite(s): ES 1021A/B, ECE 2233A/B, ECE 2236A/B, ECE 2240A/B, ECE 2241A/B, ECE 2277A/B, or ES 1021A/B, ECE 2238A/B, ECE 2277A/B and successful completion of the second year of the Electrical or Computer Engineering program or Integrated Engineering Program.

3 lecture hours, 1.5 laboratory hours, 0.5 course.

Effective **September 1, 2010**, to update the prerequisites by reflecting the course number change of Physics 1026 to Physics 1401A and Physics 1402B for the following courses.

For ECE 2205A/B, ECE 2231A/B, ECE 2238A/B, ECE 2277A/B, ECE 3373A/B exchange 'Physics 1026' with 'Physics 1402B or the former Physics 1026' in the prerequisite section.

Effective **September 1, 2010**, to update the prerequisites by reflecting the course number change of Physics 1026 to Physics 1401A and Physics 1402B for the following course:

For CBE 2220A exchange 'Physics 1026' with 'Physics 1401A and Physics 1402B or the former Physics 1026' in the prerequisite section.

INTEGRATED ENGINEERING PROGRAM

Effective **September 1, 2011**, to remove CEE 3361A/B from the list of technical electives.

INTEGRATED ENGINEERING PROGRAM

Second Year Program

Applied Mathematics 2415, CBE 2221A/B, CBE 2291A/B, CEE 2202A/B, CEE 2217A/B, ECE 2238A/B, ECE 2277A/B, MME 2204A/B, MME 2259A/B, ES 2211F/G, ES 2299A/B.

Third Year Program

ES 3399, CBE 2220A/B, CBE 3322A/B, CEE 2220A/B, ECE 3374A/B, MME 2213A/B, MME 2285A/B, MME 3360A/B, MME 3379A/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.

Fourth Year Program

ES 4499, Business Administration 2299, ES 4498F/G, six 0.5 technical electives**.

** No more than two technical electives may be selected from the same department in the Faculty of Engineering. The following are recommended technical electives from each department. Other courses may be taken if prerequisite requirements are satisfied. Students may elect to substitute up to two 0.5 courses from the Faculty of Science as technical electives. These technical electives must be approved by the Integrated Engineering Curriculum Committee.

Chemical and Biochemical Engineering:

CBE 2290A/B, CBE 3310A/B, CBE 3324A/B, CBE 4421A/B, CBE 4425A/B, CBE 4409A/B or the former CBE 3363A/B.

Civil and Environmental Engineering:

CEE 3348A/B, CEE 3362A/B, CEE 4405A/B, CEE 4418A/B, CEE 4458A/B, CEE 4465A/B, CEE 4477A/B.

Electrical and Computer Engineering:

ECE 3349A/B, ECE 3375A/B, ECE 4434A/B, ECE 4436A/B, ECE 4468A/B, SE 3314A/B.

Mechanical and Materials Engineering:

MME 3381A/B, MME 4452A/B, MME 4473A/B, MME 4487A/B, MME 4492A/B.

SOFTWARE ENGINEERING

*Effective **September 1, 2011**, change Software Engineering 3353A/B course name to Human-Computer Interface Design from Human-Computer Interaction and remove corequisite.*

Software Engineering 3353A/B – Human-Computer Interface Design

Design and testing of user interfaces for the supervisory control of complex systems. Interfaces for human input and methods for displaying complex data using advanced graphics, interactive visualization methods. Advanced UI development software.

Antirequisite(s): Computer Science 4474A/B.

Prerequisite(s): SE 2203A/B, SE 2205A/B

2 lecture hours, 2 tutorial hours, 0.5 course.

FACULTY OF HEALTH STUDIES

HEALTH SCIENCES

*Effective **September 1, 2011**, Health Sciences 3250F/G (Global Health Promotion) be introduced by the School of Health Studies in the Faculty of Health Sciences.*

Health Sciences 3250F/G: Global Health Promotion

Political, economic, social, cultural, environmental, behavioural and biological factors determine health status. Designed for an interdisciplinary student mix, this course will explore issues identified as significant determinants of health (poverty, disease, illiteracy, environmental degradation) and strategies (activism, community development) to promote health within a global context.

Pre-requisites: Registration in year 3 or 4 of a Faculty of Health Sciences undergraduate program.

0.5 course, 3 hours

Effective **September 1, 2011**, Health Sciences 3251F/G (Global Health Promotion Practicum) be introduced by the School of Health Studies in the Faculty of Health Sciences.

Health Sciences 3251F/G: Global Health Promotion Practicum

Based on a service-learning philosophy, students will have an opportunity to provide an important community service and to benefit from 'learning-in-context' about health promotion within a global perspective. This field placement will enable students to practice the skills (e.g., community development, activism) learned within Health Sciences 3250F/G (Global Health Promotion).

Pre-requisites: Health Sciences 3250F/G
0.5 course

FACULTY OF SOCIAL SCIENCE

ECONOMICS

Effective **September 1, 2010**, Calculus 1501A/B and Linear Algebra 1600A/B (now Math 1600A/B) no longer be counted as part of the Economics Honors Specialization module. Instead, they will be treated as courses outside the module that must be completed before entering the third year of the module and will not count towards fulfillment of the module's required 9.0 courses.

HONORS SPECIALIZATION IN ECONOMICS

Admission Requirements for students who entered the program before September 1, 2010

Completion of first-year requirements with no failures. Students must have an average of at least 70% with no mark less than 60% in 3.0 principal courses, including an average of 70% with no grades less than 60% in the following 2.0 courses: Economics 1021A/B and 1022A/B, or Economics 1020, and the former Mathematics 030; or 0.5 course from: Mathematics 1225A/B, Calculus 1000A/B, 1100A/B; plus 0.5 course from Calculus 1301A/B, 1501A/B, Mathematics 1229A/B, Mathematics 1600A/B or the former Linear Algebra 1600A/B.

New Admission Requirements for students entering on or after September 1, 2010

Completion of first-year requirements with no failures. Students must have an average of at least 70% with no mark less than 60% in 3.0 principal courses, including an average of at least 70% with no mark less than 60% in the following 2.5 courses: Economics 1021A/B and Economics 1022A/B, or Economics 1020; 0.5 course from Calculus 1000A/B or Calculus 1100A/B; and Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%) and Math 1600A/B or the former Linear Algebra 1600A/B.

Economics 1021A/B and 1022A/B (or Economics 1020), and Calculus 1000A/B or Calculus 1100A/B must be completed before admission to the module. Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%) and Math 1600A/B or the former Linear Algebra 1600A/B can be taken after entering the module, but must be completed by the end of the second year in the module.

(Note: Students entering this program before September 1, 2010, who have not completed Calculus 1000A/B or Calculus 1100A/B may enter the program if they have an average of at least 70% with no mark less than 60% in 3.0 principal courses, including an average of at least 70% with no mark less than 60% in the following 2.0 courses: Economics 1021A/B and 1022A/B, or Economics 1020; and 1.0 course from Math 1600A/B or the former Linear Algebra 1600A/B, Mathematics 1225A/B, 1229A/B, the former Mathematics 030. Such students are required to complete Economics 2210A/B as part of the module requirements.)

Module

9.0 Courses:

3.0 courses normally taken in second year: Economics 2220A/B, 2221A/B, 2222A/B, 2223A/B, 2260A/B, 2261A/B.*

1.0 course normally taken in third year: Economics 3320A/B, 3382A/B.

1.0 course in Economics at the 2200 or 3000 level with an F/G designation, normally taken in third year.

1.5 courses normally taken in fourth year: Economics 3388A/B, 4400E.

2.5 additional courses in Economics at the 3000 level.**

*Students who have taken a full or half course in introductory statistics at the 2100 level or higher in the Department of Statistical and Actuarial Sciences can substitute that course for Economics 2222A/B towards the module requirements. Students who have completed any other introductory statistics course listed as an anti-requisite to Economics 2222A/B must replace Economics 2222A/B with 0.5 course in Economics at the 2200 or 3000 level.

**Students may substitute up to 1.0 course from the following list toward this requirement: Calculus 2502A/B, 2503A/B; any Mathematics course numbered 2100 or higher; Applied Mathematics 2402A or the former Differential Equations 2402A, Applied Mathematics 2811B, 2813B, 3811A/B, 3813A/B, 3815A/B, 3817A/B, 3911F/G, 4353B, 4613A/B, 4617A/B, 4815A/B, 4817A/B. Students who choose to make such a substitution cannot count Economics 3310A/B towards this requirement.

Students who have completed Economics 2150A/B, 2151A/B, 2152A/B and 2153A/B with an average of 80% and no mark less than 75%, and who have taken Calculus 1000A/B or Calculus 1100A/B, and Math 1600A/B or the former Linear Algebra 1600A/B, with no mark less than 60%, may enter the Honors Specialization and be exempt from taking Economics 2220A/B, 2221A/B, 2260A/B and 2261A/B. Students who have completed these requirements and have also completed Economics 2122A/B and 2123A/B with an average of 80% and no mark less than 75% may also be exempt from taking Economics 2222A/B and 2223A/B. [Students who completed Economics 2150A/B, 2151A/B, 2152A/B and 2153A/B before September, 2009, may request to be granted these exemptions based on the mark requirements described for this module in the Faculty of Social Science section of the 2008 Academic Calendar.]

Students who completed Economics 2150A/B, 2151A/B, 2152A/B and 2153A/B before September, 2009, may request to be admitted to the Honors Specialization in accordance with the requirements listed under "Admission Requirements for students entering Year 4 or with a previous degree" on pg. 175 of the 2008 Academic Calendar.

PSYCHOLOGY

Effective **September 1, 2010**, the calendar course description for Psychology 3462E will be revised as follows:

Psychology 3462E – Issues and Methods in Early Childhood Education

This seminar course covers various topics related to the overall development and early education of the young child with a focus on the implications of theory and research for working with young children. Students participate weekly in a 3-hour and a 3.5 hour practicum placement at University Laboratory School.

Effective **September 1, 2010**, the course anti-requisites for Psychology 2040A/B and 2410A/B will be revised as follows (changes are bolded):

Psychology 2040A/B - Child Development

A survey of theory and research in developmental psychology including learning, cognition, perception, personality, and social development in infancy and childhood.

Antirequisite(s): Psychology 2044, 2410A/B, 2480E, Health Sciences 2700A/B and the former HS 3700A/B. 3 lecture hours, 0.5 course.

Psychology 2410A/B - Introduction to Developmental Psychology

A survey of theory and research in developmental psychology including: learning, cognition, perception, personality, and social development in infancy and childhood.

Antirequisite(s): Psychology 2040A/B, 2044, 2480E, Health Sciences 2700A/B and the former HS 3700A/B. Prerequisite(s): At least 60% in a 1000 level Psychology course. 2 lecture hours, 1 tutorial hour, 0.5 course.

Effective **September 1, 2010**, the calendar course description for Psychology 2042A/B and 2043A/B will be revised as follows:

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.

Psychology 2043A/B - Exceptional Children: Developmental Disorders

This half course will cover theory and treatment related to major childhood disorders affecting learning and development, including autism, learning disabilities, mental retardation, and physical handicaps.

Effective **September 1, 2010**, the prerequisites for Psychology 3800F/G will be revised as follows

Psychology 3800F/G - Psychological Statistics Using Computers

Prerequisite(s): Psychology 2810, plus registration in third or fourth year Honors Specialization in Psychology or Honors Specialization in Developmental Cognitive Neuroscience. Psychology Majors students and Special Students who earn 70% or higher in Psychology 2820E or other prerequisite courses also may enroll in this course.

POLITICAL SCIENCE

Effective **September 1, 2010**, the calendar course description for Political Science 3346E (International Justice) will be revised to include Philosophy 2810F/G (Global Justice and Human Rights) in its list of antirequisites.

Political Science 3346E – International Justice

A seminar course on contemporary theoretical issues of justice between states. The framework will be provided by the competing demands of political realism, state sovereignty, nationalism, and cosmopolitanism. Issues to be discussed may include the global distribution of wealth, intervention, crimes against humanity, cosmopolitan democracy, human rights, and environmental degradation.

Antirequisite(s): Political Science 3393E, 3391F/G, 4414F/G when offered as Selected Topics:

International Justice, Philosophy 2810F/G

Prerequisite(s): Political Science 2237E and enrollment in 3rd or 4th year Honors Politics programs or 3rd or 4th year Honors Specialization in International Relations module

2 hours, 1.0 course.

RICHARD IVEY SCHOOL OF BUSINESS

Effective **September 1, 2010**, the following course to be added to the HBA2 Curriculum.

Business 4517A/B – End User Modelling

The course will freshen and sharpen Excel and management science modeling concepts and skills, and introduce computer programming with VBA and provide a variety of applications (e.g., simulation, optimization) from various fields (e.g., finance, operations, service)

3 lecture hours a week

REGISTRAR'S UPDATE**FACULTY OF SOCIAL SCIENCE****Geography**

Effective **September 1, 2011**

Present Calendar Copy:

Geography 3432A/B - Environmental Hazards and Human Health This is a survey course regarding the links between human health and environmental hazard exposure. Issues will include the health impacts of water pollution, air pollution, solid and hazardous waste, toxic substances, pesticides and radiation. The limitations of models and methods are discussed.

Extra Information: 3 lecture hours, 0.5 course.

Proposed Calendar Copy:

Geography 3432A/B - Environmental Hazards and Human Health This is a survey course regarding the links between human health and environmental hazard exposure. Issues will include the health impacts of

water pollution, air pollution, solid and hazardous waste, toxic substances, pesticides and radiation. The limitations of models and methods are discussed.

Extra Information: 2 lecture hours, 1 tutorial hour, 0.5 course.

HURON UNIVERSITY COLLEGE

French and Asian Studies

Effective September 1, 2011

Present Calendar copy:

French 4902A/B- Advanced French Language Studies

Antirequisite(s): The former French 491.

Prerequisite(s): French 3300, 3900 or permission of the Department based on Placement Test.

3 or 4 tutorial hours, 0.5 course.

(Huron)

Proposed Calendar Copy:

French 4902A/B- Advanced French Language Studies

Antirequisite(s): The former French 491.

Prerequisite(s): French 3300, 3900 or permission of the Department based on Placement Test.

3 lecture hours, 0.5 course.

(Huron)