

The following proposals, received on DAP between December 1-15, 2009, have now been approved. For more information on the DAP process see the Academic Handbook at <http://www.uwo.ca/univsec/handbook>

FACULTY OF ARTS

VISUAL ARTS

Effective **September 1, 2009**, VAS2104A/B be listed as antirequisite to VAS2204A/B.

Visual Arts Studio 2204A/B - Introduction to Drawing

Introduction to drawing as an independent practice, and as a tool for conceptual, perceptual, and technical problem solving.

Antirequisite(s): VAS 2104A/B, 2200, 2210, 2212A/B or 2214A/B.

Prerequisite(s): VAS 1020. Priority will be given to students registered in a Visual Arts program.

6 studio hours, 0.5 course.

Note: Some sessions may involve drawing from the nude (female or male) as a required component of the course.

Effective **September 1, 2009**, VAS1025 be listed as antirequisite to VAS1020.

Visual Arts Studio – 1020 Foundations of Visual Arts

A studio course designed to introduce students to techniques and processes of two-dimensional and three-dimensional media; the theoretical concepts which inform and direct studio practice will be emphasized.

Antirequisite(s): VAS1025

Prerequisite(s): Priority will be given to students registered in a Visual Arts program.

6 studio hours, 1.0 course.

Note: Some sessions may involve drawing from the nude (female or male) as a required component of the course.

FACULTY OF ENGINEERING

Effective **September 1, 2010**, to update the third year course selection for CEE Option B and Option F to reflect changed course number CBE 3363A/B to CBE 4409A/B.

B. Environmental Engineering Option

Third Year Program

CEE 3326, CEE 3340A/B, CEE 3347A/B, CEE 3348A/B, CEE 3355A/B, CEE 3369A/B, CEE 3384A/B, CBE 2290A/B, CBE 4409A/B, Earth Sciences 3340A/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.

F. Civil and International Development Option

Third Year Program

CEE 3326, CEE 3327A/B, CEE 3328A/B, CEE 3340A/B, CEE 3347A/B, CEE 3348A/B, CEE 3355A/B, CEE 3362A/B, CEE 3369A/B, CBE 4409A/B, Earth Sciences 3340A/B.

Effective **September 1, 2010**, CBE 2220A/B will change the contact hours from 3 lecture, 3 tutorial hours to 3 lecture, 2 tutorial

CBE 2220A/B – Chemical Process Calculations

The objective of this course is to introduce second year students to the field of chemical engineering. The basic concepts employed in chemical engineering will be covered. Examples of chemical, biochemical, environmental industries will be presented. New directions in chemical and biochemical engineering will be introduced.

Prerequisite(s): Applied Mathematics 1411A/B, 1413, Chemistry 1024A/B or 1050 or the former Chemistry 1020 or 023, Physics 1026.
3 lecture hours, 2 tutorial hours, 0.5 course.

Effective **September 1, 2010**, CBE 3321A/B will change to a technical elective 4000 series and be assigned a new course number CBE 4418A/B.

Chemical and Biochemical Engineering 4418A/B

This course covers various aspects of certain multiphase reactors including hydrodynamics, heat and mass transfer, residence time distributions and contacting models for large reactors. Design methods and calculations for industrial fixed-bed, fluidized –bed, and three phase reactors are covered.

Antirequisite(s): the former CBE 3321A/B

Prerequisite(s): CBE 3315A/B.

Extra Information: 3 lecture hours, 1 tutorial hour, 0.5 course.

Effective September 2010, CBE 3392A/B will change to a technical elective 4000 series and be assigned a new course number CBE 4493A/B.

Effective **September 1, 2010**, CBE 3392A/B will change to a technical elective 4000 series and be assigned a new course number CBE 4493A/B.

Chemical and Biochemical Engineering 4493A/B – Polymer Engineering

The basics of polymer science and engineering are covered. The theory of macromolecules, macromolecular chemistry and fundamentals of polymerization are discussed. Specific manufacturing processes and polymer types are considered.

Antirequisite(s): Chemistry 3320A/B. the former CBE 3392A/B

Prerequisite(s): CBE 2206A/B and 2207A/B or the former CBE 2216 or Chemistry 2213A/B and 2223B or GPE 2213A/B and 2214A/B.

3 lecture hours, 1 tutorial hour, 0.5 course.

Effective, **September 1, 2010**, change technical elective section for CBE Option A in the Academic Calendar to reflect changed course numbers (CBE 3392A/B to CBE 4493A/B, CBE 3363A/B to CBE 4409A/B, CBE 3321A/B to CBE 4418A/B).

A. General Chemical Engineering Option

Technical Electives: General Chemical Engineering Option

Group A

CBE 4404A/B, CBE 4413A/B, CBE 4417A/B, CBE 4418A/B, CBE 4420A/B, CBE 4421A/B, CBE 4423A/B, CBE 4424A/B, CBE 4425A/B, CBE 4432A/B, CBE 4433A/B, CBE 4467A/B, CBE 4471A/B, CBE 4493A/B, CBE 4494A/B.

Technical Electives: General Chemical Engineering Option

Group B

CBE 4403A/B, CBE 4407A/B, CBE 4409A/B, CBE 4463A/B, GPE 3382A/B, GPE 3383A/B, GPE 4484A/B.

Effective **September 1, 2010**, change technical elective sections for CBE Option D in the Academic Calendar to reflect changed course numbers (CBE 3392A/B to CBE 4493A/B, CBE 3363A/B to CBE 4409A/B).

†Technical Electives: Chemical Engineering and Law Option

CBE 3301A/B, CBE 3320A/B, CBE 4403A/B, CBE 4404A/B, CBE 4407A/B, CBE 4409A/B, CBE 4413A/B, CBE 4417A/B, CBE 4420A/B, CBE 4421A/B, CBE 4423A/B, CBE 4424A/B, CBE 4425A/B, CBE 4432A/B, CBE 4433A/B, CBE 4463A/B, CBE 4467A/B, CBE 4471A/B, CBE 4493A/B, CBE 4494A/B, CEE 4405A/B, GPE 3382A/B, GPE 3383A/B, GPE 4484A/B.

Effective **September 1, 2010**, change course number for CBE Option B in the Academic Calendar to reflect changed course number CBE 3363A/B to CBE 4409A/B.

Biochemical and Environmental Engineering Option

Fourth Year Program

Business Administration 2299, CBE 4415*, CBE 4409A/B, CBE 4497, ES 4498F/G, 0.5 non-technical elective, 0.5 non-technical elective**

FACULTY OF EDUCATION

Effective March 1, 2010, EDUC 5689: Technological Education – Green Industries, Grades 9 and 10 will be introduced by the Faculty of Education to provide the teachers in Ontario access to the onsite or online course in Technological Education – Green Industries.

Proposed Calendar Copy and Course #5689: This course is designed for teachers of technological education who wish to obtain an additional basic qualification. The course will extend teaching knowledge and skills in the design, program delivery and assessment of technology programs that address the development of adolescents, the school environment and other issues related to teaching and learning in secondary school technological education programs.

Prerequisite: A candidate must:

1. Hold a certificate of qualification, an interim certificate of qualification, or an interim certificate of qualification (limited) indicating successful completion of an accredited program in Technological Education;
2. Successfully demonstrate his or her competence based on an assessment of advanced knowledge and skill in the area of technological education selected in at least ONE of the following green industries areas; agriculture, garden and landscape design, horticulture, forestry, or floristry; by submitting to Continuing Teacher Education evidence of related work experience and/or academic background in the particular field of additional qualifications.

OR

For a candidate who holds a certificate of qualification, an interim certificate of qualification, or an interim certificate of qualification (limited) whose areas of concentration in the program of professional education that qualified him or her for the certificate of qualification were not in Technological Education, the candidate must:

1. hold a secondary school graduation diploma or have successfully completed courses that are considered by the College to be the equivalent of holding such a diploma;
2. successfully prove his or her competence based on an assessment of advanced knowledge and skill in the area of technological education selected;
3. have ONE of the following,
 - i) five years of wage-earning experience, including business and/or industrial experience, where the candidate used skills and knowledge in the area of technological education selected,
 - ii) at least two years of wage-earning experience and successful completion of a post-secondary education program acceptable to the College that includes at least six semesters of academic studies, where the experience and education used the candidate's skills and knowledge in the area of technological education selected,
 - iii) a combination of education (beyond the secondary school graduate diploma) and wage-earning experience which totals five years, at least two years of which must be wage-earning experience (including business or industrial experience), and no less than four months of which is continuous employment, where the candidate used skills and knowledge in the area of technological education selected.

NOTE: Competency in the technological education area is determined by formal technical education or training; professional designation; trade certificate and/or wage-earning experience, including business or industrial experience, in the area of technological education selected.

FACULTY OF HEALTH SCIENCES

Effective September 1, 2010, the admission requirements for the Honors Specialization in Health Sciences with Biology module be amended to remove the Psychology/Sociology/Anthropology requirement.

Admission Requirements

Completion of first-year requirements with no failures. Students must have an average of at least 70% in 5.0 principal courses, with no mark in these principal courses below 60%, including:

Health Sciences 1000 or the former Health Sciences 021;

Biology 1222 or 1223 or the former Biology 026;

Chemistry 1050 or the former Chemistry 1020 or 020 or 023;

1.0 course from: Calculus 1000A/B, 1201A/B, 1301A/B, 1501A/B, Mathematics 1228A/B, the former Mathematics 030. Linear Algebra 1600A/B, Statistical Sciences 1024A/B. If not completed in first year, the mathematics requirement must be completed by the end of second year.

FACULTY OF LAW

Effective **September 1, 2010**, the course description Law 5712c: *Kawaskimhon Talking Circle*, will be revised in the Faculty of Law.

Law 5712c: Kawaskimhon Talking Circle

Students participate in the Kawaskimhon Talking Circle, a national aboriginal law event, conducting research on aboriginal legal issues and dispute resolution traditions and preparing written and oral submissions.

Course enrollment is by application, and students must demonstrate an interest in aboriginal law and non-adversarial dispute resolution processes. Pre/Co-requisites: none. Four credits, January term.

Effective **September 1, 2010**, the course description Law 5720c: *Labour Arbitration Competition*, will be revised in the Faculty of Law.

Law 5720c: Labour Arbitration Competition

Students compete in the Mathews Dinsdale Clark National Labour Law Moot and prepare a comprehensive writing assignment (usually an arbitration decision). The course provides experience in research, preparation, and advocacy of labour arbitration cases. Admission is based on performance in the Lerner LLP Cup (internal appellate advocacy competition). Pre/Co-requisites: none. Four credits, January term. Second-year students only.

FACULTY OF SCIENCE**APPLIED MATHEMATICS**

Effective **September 1, 2010**, the course Applied Mathematics 1201A/B, *Mathematical Applications for Biological Sciences* be introduced.

Applied Mathematics 1201A/B - Mathematical Applications for Biological Sciences

Applications of integration, integration using mathematical software packages. Scaling and allometry. Basic probability theory. Fundamentals of linear algebra: vectors, matrices, matrix algebra. Difference and differential equations. Each topic will be illustrated by examples and applications from the biological sciences, such as population growth, predator-prey dynamics, age-structured populations.

Antirequisite(s): The former Mathematics 030, the former calculus 1201A/B

Prerequisite(s): One or more of Calculus 1000A/B, 1100A/B or Mathematics 1225A/B.

3 lecture hours, 1 tutorial hour, 0.5 course.

Effective **September 1, 2010**, the course Applied Mathematics 2402A, *Ordinary Differential Equations*, be introduced.

Applied Mathematics 2402A - Ordinary Differential Equations

Introduction to first order differential equations, linear second and higher order differential equations with applications, complex numbers including Euler's formula, series solutions, Bessel and Legendre equations, existence and uniqueness, introduction to systems of linear differential equations.

Antirequisite(s): The former Differential Equations 2402A

Prerequisite(s): A minimum mark of 60% in Calculus 1301A/B, or a minimum mark of 55% in Calculus 1501A/B or Applied Mathematics 1413.

Pre- or Corequisite(s): Linear Algebra 1600A/B

3 lecture hours, 1 laboratory hour, 0.5 course.

CALCULUS

Effective **September 1, 2010**, the course Calculus 1201A/B, *Mathematical Applications for Biological Sciences* be withdrawn.

DIFFERENTIAL EQUATIONS

Effective **September 1, 2010**, the course *Differential Equations 2402A, Ordinary Differential Equations*, be withdrawn.

STATISTICAL AND ACTUARIAL SCIENCES

Effective **September 1, 2010**, *Actuarial Science 2553A/B* be made a pre or corequisite instead of a prerequisite for *Actuarial Science 2555A/B*.

Actuarial Science 2555A/B – Corporate Finance Bond and stock pricing,

financial market overview, inflation and interest rates, risk and return, discounted cashflow and project analysis, capital budgeting, cost of capital, market efficiency, corporate financing.

Antirequisite(s): Actuarial Science 2053

Pre- or Corequisites: Actuarial Science 2553A/B

3 lecture hours, 1 tutorial hour, 0.5 course

Effective **September 1, 2010**, *Statistical Sciences 1024A/B* be made as an antirequisite for *Statistical Sciences 2037A/B*.

Statistical Sciences 2037A/B – Statistics for Health

Descriptive statistics, graphical and verbal fallacies, decision trees, confidence intervals, and multiple regression. Intended primarily for non-science students, and cannot be taken for credit by students in the Faculty of Science (except those in Foods & Nutrition).

Antirequisite(s): All other courses or half courses in Introductory Statistics except *Statistical Sciences 1023A/B*.

3 lecture hours, 0.5 course.

Effective **September 1, 2010**, the prerequisite for *Statistical Sciences 2122A/B* be revised.

Statistical Sciences 2122A/B – Statistics for Science

An introductory course in the application of statistical methods, intended for honors students in departments other than Statistical and Actuarial Sciences, Applied Mathematics, Mathematics, or students in the Faculty of Engineering. Topics include sampling, confidence intervals, analysis of variance, regression and correlation. Cannot be taken for credit in any module in statistics or actuarial science.

Antirequisite(s): All other courses or half courses in Introductory Statistics except *Statistical Sciences 1023A/B*, *Statistical Sciences 1024A/B*.

Prerequisite(s): A full mathematics course, or equivalent, numbered 1000 or above. *Statistical Sciences 1024A/B* can be used to meet 0.5 of the 1.0 mathematics course requirement.

3 lecture hours, 0.5 course.

Effective **September 1, 2010**, the prerequisite for *Statistical Sciences 4850F/G* be revised.

Statistical Sciences 4850F/G – Advanced Data Analysis

Modern methods of data analysis including linear and generalized linear models, modern nonparametric regression, principal component analysis, multilevel modelling and bootstrapping.

Prerequisite(s): A minimum mark of 60% in both Statistical Sciences 3843A/B and Statistical Sciences 3859A/B.

3 lecture hours, 0.5 course.

Effective **September 1, 2010**, the prerequisite for Actuarial Science 2427A/B be revised.

Actuarial Science 2427A/B – Life Contingencies I

Models for the time until death, single life annuity and life insurance present values and their probability distributions.

Antirequisite(s): The former Actuarial Science 3427A/B.

Prerequisite(s): A minimum mark of 60% in each of Actuarial Science 2553A/B, either Calculus 2402A/B or Calculus 2502A/B, and Statistical Sciences 2857A/B (or the former Statistical Sciences 2657A). Restricted to students enrolled in any Actuarial Science module.

3 lecture hours, 1 tutorial hour, 0.5 course.

Effective **September 1, 2010**, the prerequisite for Actuarial Science 3429A/B be revised.

Actuarial Science 3429A/B – Life Contingencies II

Single life annuity and life insurance loss random variables and their distributions, with applications to the analysis of benefit premiums and reserves.

Prerequisite(s): A minimum mark of 60% in each of Actuarial Science 2427A/B (or the former Actuarial Science 3427A/B) and Statistical Sciences 2858A/B.

Corequisite(s): Statistical Sciences 3657A/B.

3 lecture hours, 1 tutorial hour, 0.5 course.

FACULTY OF SOCIAL SCIENCE**ECONOMICS**

Effective **September 1, 2010**, Economics 2172 A/B will include Economics 2170A/B in its list of antirequisites.

BRESCIA UNIVERSITY COLLEGE**FOODS AND NUTRITION**

Effective **September 1, 2010**, FN 0010 will be introduced at Brescia University College.

Foods & Nutrition 0010 – Introduction to Foods & Nutrition

An introductory course about foods and nutrition. Students will study nutrient content of food, food safety, and learn to apply nutrition recommendations throughout the life cycle. Emphasis will be placed on using credible resources of nutrition information.

Prerequisite(s): High School Biology (Grade 11 Advanced Level or equivalent) and registration in the Preliminary Year Program at Brescia University College.

Anti-requisite(s): Grade 12U Nutrition in Perspective (HFA 4U) or any university level basic Nutrition course. 1.0 course. (Brescia)

MOS

Effective **January 1, 2010**, Management and Organizational Studies 4415A/B Brand Management will be introduced at Brescia University College.

MOS 4415 A/B Brand Management

Brand management discusses the role of the brand manager, how brands are managed to create brand equity, how marketers measure and track performance, and how analytics are used to grow businesses. The course also explores planning: how brand managers employ business reviews and marketing plans to drive their businesses forward.

Prerequisite(s): Enrolment in BMOS program; and MOS 3320 A/B

3.0 hours, 0.5 course

(Brescia)

HURON UNIVERSITY COLLEGE**HISTORY**

*Effective **September 1, 2010**, Honors Specialization, Major, and Specialization Modules in History be revised at Huron University College*

HONORS SPECIALIZATION IN HISTORY

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 a 1000E level history course (History 1801E is strongly recommended), plus 2.0 additional courses, with no mark in these principal courses below 60%.

Module

9.0 courses:

3.0 courses: 1.0 each from three of the following four areas: Canada: History 2201E, or United States: History 2301E, or European: History 2403E, 2413E, or World: History 2603E, 2701E, 2702E

2.0 courses in History at the 2200 level or above

1.0 course: History 3801E

1.0 additional course in History at the 3000 level

2.0 courses in History at the 4000 level

MAJOR IN HISTORY

Admission Requirements

Completion of first-year requirements, including a 1000E level history course (History 1801E is strongly recommended), with a mark of at least 60%.

Module

6.0 courses:

3.0 courses: 1.0 each from three of the following four areas: Canada: History 2201E, or United States: History 2301E, or European: History 2403E, 2413E, or World: History 2603E, 2701E, 2702E

1.0 course: History 3801E

1.0 additional course in History at the 3000 level

1.0 course in History at the 4000 level

SPECIALIZATION IN HISTORY

Admission Requirements

Completion of first-year requirements, including a 1000E level history course (History 1801E is strongly recommended), with a mark of at least 60%.

Module

9.0 courses:

3.0 courses: 1.0 each from three of the following four areas: Canada: History 2201E, or United States: History 2301E, or European: History 2403E, 2413E, or World: History 2603E, 2701E, 2702E

1.0 course: History 3801E

2.0 additional courses in History at the 3000 level

3.0 courses in History, no more than 2.0 of which may be at the 2000-2199 level

REGISTRAR'S UPDATE

The following minor changes were approved:

FACULTY OF SCIENCE

Proposed Calendar Copy:

Physiology 4730B: Cell Signalling in Tissue, Injury and Repair

Examines the basic principles and surveys molecular mechanisms of regulation of cell growth, adhesion, migration, and differentiation and their functional integration to support survival and development.

Dysregulation of these processes in disease will also be examined. The course is composed of both lectures and student presentations of scientific literature.

Prerequisite(s): Physiology 3120, 3130Y and 3140A.

2 lecture hours, 0.5 course.

Reasons for the Proposal:

The title of Physiology 4730B is being revised to better reflect the content of the course