The following proposals, received on DAP between March 16-31, 2011, have now been approved.
For more information on the DAP process, see the Academic Handbook at www.uwo.ca/univsec/handbook.

FACULTY OF ARTS AND HUMANITIES

FILM STUDIES

Effective **September 1, 2011**, the following courses will be withdrawn:

Film Studies 2154E - Film Comedy/Film Genres
Film Studies 2199E - Special Topics in Film Studies
Film Studies 2210F/G - Special Topics in Film Studies
Film Studies 2211F/G - Special Topics in Film Studies
Film Studies 2212F/G - Special Topics in Film Studies
Film Studies 2213F/G - Special Topics in Film Studies
Film Studies 2214F/G - Special Topics in Film Studies
Film Studies 2215F/G - Special Topics in Film Studies
Film Studies 2216F/G - Special Topics in Film Studies
Film Studies 2217F/G - Special Topics in Film Studies
Film Studies 2218F/G - Special Topics in Film Studies
Film Studies 2219F/G - Special Topics in Film Studies
Film Studies 2279F/G - Special Topics in Film Studies
Film Studies 3320E - Special Topics in Film Studies
Film Studies 3321F/G–3322F/G - Special Topics in Film Studies
Film Studies 3325F/G–3326F/G - Special Topics in Film Studies
Film Studies 3327 - Special Topics in Film Studies
Film Studies 3328A/B–3329A/B - Special Topics in Film Studies

WRITING, RHETORIC, AND PROFESSIONAL COMMUNICATION

Effective **September 1, 2011**, the following course will be introduced:

Writing 2222F/G - Food Writing
In the novel "Like Water for Chocolate," Mexican author Laura Esquivel reveals the powerful force of food to educate, and to influence emotions, culture and life. In this course students will practice food writing (through memoir, history, reportage, biography and narrative) while developing specific research methods to understand food systems.
Antirequisite(s): Writing 2295G (2008-2009, 2009-2010, 2010-2011).
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G; or at least 85% in Writing 1000F/G; or permission of the Program.
3 lecture hours, 0.5 course.

FACULTY OF ENGINEERING

CHEMICAL AND BIOCHEMICAL ENGINEERING

Effective **September 1, 2011**, the following courses will be withdrawn:

Chemical and Biochemical Engineering 4425A/B - Mathematical Methods in Chemical Engineering
Chemical and Biochemical Engineering 4433A/B - Instrumental Analysis for Engineers
Chemical and Biochemical Engineering 4494A/B - Statistical Process Analysis

Effective **September 1, 2011**, the following courses will be revised:

Chemical and Biochemical Engineering 2214A/B - Engineering Thermodynamics
Prerequisite(s): Applied Mathematics 1413 1411A/B.

Chemical and Biochemical Engineering 2224A/B - Chemical Engineering Thermodynamics
Prerequisite(s): CBE 2214A/B or MME 2204A/B, Applied Mathematics 1413.

Chemical and Biochemical Engineering 3301A/B - Biochemical Reaction Engineering
Prerequisite(s): ~~CBE 2221A/B, CBE 2206A/B and CBE 2207A/B or the former CBE 2216 or Chemistry 2213A/B and 2223B,~~ CBE 2290A/B or Biology 1001A and Biology 1002B, or the former Biology 1222 or 1223.

Chemical and Biochemical Engineering 3317Y - Introduction to Plant Design and Safety
Prerequisite(s): CBE 2220A/B, CBE 2221A/B, ~~CBE 2206A/B and 2207A/B or the former CBE 2216 or Chemistry 2213A/B and 2223B or GPE 2213A/B and 2214A/B,~~ CBE 2224A/B or GPE 2218A/B, ES 1050, ~~ES 1036A/B or Computer Science 1026A/B.~~

Chemical and Biochemical Engineering 3325A/B - Particulate Operations
Prerequisite(s): ~~CBE 2220A/B,~~ CBE 2221A/B.

Chemical and Biochemical Engineering 4417A/B - Catalytic Processes
Prerequisite(s): ~~CBE 2206A/B and 2207A/B or the former CBE 2216 or Chemistry 2213A/B and 2223B,~~ CBE 3315A/B ~~or GPE 2213A/B and 2214A/B,~~ GPE 3315A/B.

Chemical and Biochemical Engineering 4493A/B - Polymer Engineering
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.

Green Process Engineering 2214A/B - Green Chemistry II
Prerequisite(s): GPE 2213A/B or CBE 2206A/B. Restricted to Green Process Engineering students.

Green Process Engineering 3324A/B - Mass Transfer Operations with Green Engineering Applications
Prerequisite(s): CBE 2221A/B, CBE 2220A/B.

*Effective **September 1, 2011**, the following programs will be revised:*

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.~~

B. BIOCHEMICAL AND ENVIRONMENTAL ENGINEERING OPTION
…
Technical Electives: Biochemical and Environmental Engineering Option
CBE 4403A/B, CBE 4404A/B, CBE 4407A/B, CBE 4421A/B, CBE 4423A/B, CBE 4424A/B, ~~CBE 4425A/B,~~ ~~CBE 4433A/B,~~ CBE 4463A/B, GPE 3382A/B, GPE 3383A/B, GPE 4484A/B, CEE 4405A/B.

D. CHEMICAL ENGINEERING AND LAW OPTION
…
†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.

ELECTRICAL AND COMPUTER ENGINEERING

*Effective **September 1, 2011**, the following course will be revised:*

Software Engineering 2203A/B - Software Design
~~2~~ 3 lecture hours, 3 laboratory hours, 0.5 course.

*Effective **September 1, 2011**, the following programs will be revised:*

A. ELECTRICAL ENGINEERING PROGRAM
Admission Requirements for the Electrical Engineering Program
Students entering the Electrical Engineering program must have completed the common first year curriculum of Engineering with at least 60% YWA and passing grades in Applied Mathematics 1411A/B, Applied Mathematics 1413, Physics ~~1026~~ 1402A/B and Engineering Science 1036A/B or Computer Science 1026A/B or the former Computer Science 036a/b.

COMPUTER ENGINEERING PROGRAM
…
Admission Requirements for the Computer Engineering Program
Students entering the Computer Engineering program must have completed the common first year curriculum of Engineering with at least 60% YWA and passing grades in Applied Mathematics 1411A/B, Applied Mathematics 1413, the former Physics ~~1026~~ 1402A/B and a minimum of 60% in both Engineering Science 1036A/B or Computer Science 1026A/B or the former Computer Science 036a/b. In order to remain in the Computer Engineering Program, students must also obtain at least 60% in Computer Science 1037A/B to be taken in the second year.

MECHANICAL AND MATERIALS ENGINEERING

*Effective **September 1, 2011**, the following courses will be revised:*

MME 2273A/B - ~~Fluid Mechanics 1~~ Introduction to Fluid Mechanics and Heat Transfer
Antirequisite(s): ~~CBE 2221A/B or CEE 2224.~~

*Effective **September 1, 2012**, the following courses will be revised:*

MME 3303A/B - Fluid Mechanics II
Rigid-body motion and rotation, control volume method of analysis, conservation of mass, linear and angular momentum, centrifugal pumps, potential flow, dimensional analysis, viscous flow in channels and ducts, open channel flow, laminar and turbulent boundary layers, statistical description of turbulence.

MME 3307A/B - Heat Transfer II
Transient heat conduction. Forced and natural convection heat transfer. Advanced radiation heat transfer, including surface properties and shape factor. Condensation and boiling heat transfer. Heat exchanger design, applications of heat transfer in Engineering Systems.
Prerequisite(s): MME 2204A/B, ~~Applied Mathematics 2413 or Applied Mathematics 2415,~~ MME 2273A/B.
Corequisite(s): Applied Mathematics 3413A/B

MME 3379A/B - Materials Selection
Prerequisite(s): ~~Completion of second year of the Mechanical or Integrated Engineering program.~~ ES 1021A/B, MME 2202A/B or CEE 2202A/B.

FACULTY OF HEALTH SCIENCES

HEALTH STUDIES

*Effective **September 1, 2011**, the following courses will be revised:*

Health Sciences 2330A/B - Systemic and Functional Anatomy
Corequisite(s): Restricted to students registered in the School of Nursing.

Health Sciences 2610F/G - Introduction to Ethics and Health
Antirequisite(s): The former Kinesiology 2293F/G, Philosophy 2071E, 2715F/G.

Health Sciences 2700A/B - Health Issues in Childhood and Adolescence
Antirequisite(s): The former Health Sciences 3700A/B; Psychology 2040A/B, 2410A/B, 2044, 2480E, the former 140; Kinesiology 3347A/B.

Health Sciences 2801A/B - Research Methods in Health Sciences
Antirequisite(s): Kinesiology 2032A/B, Psychology 2800E or 2820E or 2840F/G, or Sociology 2206A/B, or Social Work 2205.

Health Sciences 4910A/BF/G - Health Practicum

Health Sciences 4990F/G - Independent Study
Prerequisite(s): Enrollment in the fourth year of an honors specialization module in the School of Health Studies, with a minimum average of 75%; Permission of the School of Health Studies.

Health Sciences 4991F/G - Independent Study
Prerequisite(s): Enrollment in the fourth year of an honors specialization module in the School of Health Studies, with a minimum average of 75%; Permission of the School of Health Studies.

Rehabilitation Sciences 4210A/B - Health Promotion for Persons with Disabilities
Antirequisite(s): Health Sciences 4090B sec. 001 if taken in 2009-2011 or the former Rehabilitation Sciences 456a/b

*Effective **September 1, 2011**, the following courses will be introduced:*

Health Sciences 3052A/B - Brief History of Drug Use
There haven't been many topics more controversial than drugs in North America. Drug use is one of those features of humanity than goes back into prehistory, and in many ways our current drug use isn't significantly different. This course seeks to examine present-day debates about drugs through historical, sociological and ethical perspectives.
Antirequisite(s): Health Sciences 3092B section 001 if taken in 2011.
Prerequisite(s): Registration in the third or fourth year of the School of Health Studies.
0.5 course, 2 lecture hours per week.

Health Sciences 4044A/B - International Health System Comparisons
All developed countries have health and health care systems that are designed to meet their current, prevailing health objectives. This course will review selected international health systems, including Canada's, and apply standard outcome measures that will indicate the extent to which they are meeting national health objectives.
Antirequisite(s): Health Sciences 4091B if taken in 2011.
Prerequisite(s): Registration in the third or fourth year of the School of Health Studies.
0.5 course, 3 lecture hours per week.

Health Sciences 4051F/G - Mental Health and Well-Being
An in-depth investigation into the philosophical and scientific nature of mental health and well-being, with a focus on the role of spirituality and emotion in recovery from cancer and addiction. Special attention will be paid to elucidating the neurophysiological and psychological basis of emotion. The course requires extensive reading and class participation and has an important 'teach-yourself' independent-study orientation.
Antirequisite(s): Health Sciences 4092G sec. 002 if taken in 2011.
Prerequisite(s): Registration in the third or fourth year of the School of Health Studies.
0.5 course, 2 lecture hours per week.

Health Sciences 4202A/B - Health Behavior
This course will explore theories/models of health behavior. Students will be introduced to the main tenets of various health behavior theories/models and their applications to selected health (e.g., smoking, exercise, substance use), illness (e.g., HIV/AIDS, Cancer) and preventive (e.g., condom use) behaviors.
Antirequisite(s): Health Sciences 4091A section 002 if taken in 2010.
Prerequisite(s): Registration in the third or fourth year of the School of Health Studies.
0.5 course, 3 lecture hours per week.

Health Sciences 4205A/B - Health Program Evaluation

This course will develop your conceptual and applied understanding of program evaluation. It will focus on the types, purpose, application, and importance of evaluation techniques in the health field and will help you to develop the skills and strategies for preparing and managing evaluation activities.
Antirequisite(s): Health Sciences 4090B section 002 if taken in 2010-11 or 4090A in taken in 2008 or the former Health Sciences 472B if taken in 2008.
Prerequisite(s): Registration in the third or fourth year of the School of Health Studies.
0.5 course, 3 lecture hours per week.

Health Sciences 4220F/G - Health Among Marginalized Populations

This course examines marginalized populations through various critical perspectives, namely medical anthropology, feminism, and political-economy theory. Students will develop an understanding of how macro (i.e., gender, race, poverty) and micro (i.e., individual) forces intersect to produce marginality and particular health experiences for people who are relegated to the margins of society.
Antirequisite(s): Health Sciences 4092G sec. 001 if taken in 2011.
Prerequisite(s): Registration in the third or fourth year of the School of Health Studies
0.5 course, 3 lecture hours per week.

Rehabilitation Sciences 3360A/B - Musculoskeletal Disorders in Rehabilitation

An introductory course in the area of musculoskeletal disorders as encountered in sport and in the workplace. Materials covered include the mechanisms of injury, tissue biomechanics, pathology, assessment, treatment and prevention of acute and chronic trauma. Current evidence-based practices in diagnostic testing and treatment options will be addressed.
Antirequisite(s): Health Sciences 3091A if taken in 2008-2009 or 3091B section 001 if taken in 2011.
Prerequisite(s): Health Sciences 2300A/B or 2330A/B or Kinesiology 2222A/B or Anatomy & Cell Biology 2221.
Pre- or Corequisite(s): Registration in a Rehabilitation Sciences module or enrolment in the School of Health Studies.
0.5 course, 3 lecture/seminar hours per week.

Rehabilitation Sciences 3760A/B - Rehabilitation for Childhood Disorders

This course provides students with a foundational background in both common and unique clinical disorders in childhood, including principles regarding assessment, evaluation, and treatment. Emphasis is placed on recent research and evidence-based practice. Topics include neurological, intellectual, and motor disorders, as well as coverage of the areas of vision, hearing and speech/language development.
Antirequisite(s): Health Sciences 3090B section 002 if taken in 2011.
Prerequisite(s): Health Sciences 2700A/B or Kinesiology 3347A/B.
Pre- or Corequisite(s): Registration in a Rehabilitation Sciences module or enrolment in the School of Health Studies.
0.5 course, 3 lecture/seminar hours per week.

Rehabilitation Sciences 4810A/B - Evidence-based Practice in Rehabilitation

This course provides students with foundational knowledge and skills necessary to conscientiously, explicitly and judiciously use current best evidence in making clinical decisions. This course focuses on the components of evidence-based practice, formulation of answerable clinical questions, and accessing and evaluating professional information as presented in the professional literature.
Antirequisite(s): Health Sciences 4090A sec. 001 if taken in 2010 or Health Sciences 4091B sec. 002 if taken in 2009-10 or the former Health Sciences 473B if taken in 2008.
Prerequisite(s): Registration in a Rehabilitation Sciences module or enrolment in the School of Health Studies.
0.5 course, 3 lecture hours per week.

*Effective **September 1, 2011**, the following modules will be revised:*

HONORS SPECIALIZATION IN HEALTH SCIENCES
…
Module
9.0 courses:
…

5.0 courses from: Health Sciences at the 2010-level or above, or Rehabilitation Sciences, or Communication Sciences and Disorders at the 3000-level or above. ~~Health Sciences course at the 3000 level or above, Rehabilitation Sciences at the 3000 or above, or Communication Sciences and Disorders at the 4000 level. A maximum of 1.0 course may be substituted from: Health Sciences courses at the 2000 level, Anthropology 2211F/G, 2212F/G, 2216F/G, 2219F/G, 2290F/G, Biochemistry 2280A, Biology 2382B, 2581B, Chemistry 2213A/B, Economics 2169F/G, Epidemiology and Biostatistics 3330B, Geography 2430A/B, 3431A/B, Physiology 2130, 3120, Psychology 2030A/B, 2036A/B, Sociology 2179A/B, 2246A/B, 2247A/B, Women's Studies 2154.~~

HONORS SPECIALIZATION IN HEALTH SCIENCES - HEALTH PROMOTION

…
Module
9.0 courses:

…
4.0 courses from: Health Sciences at the 2010-level or above, or Rehabilitation Sciences, or Communication Sciences and Disorders at the 3000-level or above. ~~Health Sciences at the 3000 level or above, Rehabilitation Sciences at the 3000 level or above, or Communication Sciences & Disorders at the 4000 level. A maximum of 1.0 course may be substituted from: Health Sciences courses at the 2000 level, Geography 2430A/B, 3431A/B, Psychology 2030A/B, 2035A/B, 2036A/B, Sociology 2169, 2246A/B, 2247A/B.~~

SPECIALIZATION IN HEALTH SCIENCES

…
Module
9.0 courses:

…
5.0 courses from: Health Sciences at the 2010-level or above, or Rehabilitation Sciences, or Communication Sciences and Disorders at the 3000-level or above. ~~Health Sciences at the 3000 level or above, Rehabilitation Sciences at the 3000 level or above, or Communication Sciences and Disorders at the 4000 level. A maximum of 1.0 course may be substituted from: Health Sciences at the 2000 level, Anthropology 2211F/G, 2212F/G, 2216F/G, 2219F/G, 2290F/G, Biochemistry 2280A, Biology 2581B, 2382B, Chemistry 2213A/B, Economics 2169F/G, Epidemiology and Biostatistics 3330B, Geography 2430A/B, 3431A/B, Physiology 2130, Psychology 2030A/B, 2036A/B, Sociology 2179A/B, 2246A/B, 2247A/B, Women's Studies 2154.~~

MAJOR IN HEALTH SCIENCES
…
Module
6.0 courses:
4.0 courses: Health Sciences 2250A/B, 2300A/B, 2610F/G, 2700A/B, 2711A/B, 2801A/B, 3400A/B, 3801A/B.
2.0 courses from: Health Sciences at the 2010-level or above. ~~Health Sciences at the 2000-level or above. 1.0 course may be substituted from: Anthropology 2211F/G, 2212F/G, 2216F/G, 2219F/G, 2290F/G, Biochemistry 2280A, Biology 2581B, 2382B, Chemistry 2213A/B, Economics 2169F/G, Epidemiology and Biostatistics 3330B, Geography 2430A/B, 3431A/B, Physiology 2130, 3120, Psychology 2030A/B, 2036A/B, Sociology 2179A/B, 2246A/B, 2247A/B, Women's Studies 2154.~~

NURSING

Effective **September 1, 2011**, *the following course will be revised:*

Nursing 2204A/B - Professional Nursing Issues I

FACULTY OF SCIENCE

BIOLOGY

*Effective **September 1, 2011**, the following course will be revised:*

Biology 3218F/G - Biology of the Fungi
Prerequisite(s): One of Biochemistry 2280A, Biology 2484A or 2581B.

*Effective **September 1, 2011**, the following courses will be withdrawn:*

Biology 3421F - Plant Ecology
Biology 3651A/B - Environmental Animal Physiology
Biology 4345A - Microscopy and Imaging in Biology

*Effective **September 1, 2011**, the following courses will be introduced:*

Biology 3601A/B - Animal Physiology I
This course will examine the form and function of physiological and biochemical systems in the vast diversity of non-human animals. It will emphasize the importance of phylogeny and environmental selective pressures on the evolution of these systems.
Antirequisite(s): The former Biology 3651A/B.
Prerequisite(s): A minimum mark of 60% in Biology 2601A/B.
3 lectures hours, 2 tutorial hours, 0.5 course.

Biology 3602A/B - Animal Physiology II
This course will build on the knowledge and skills gained in Biology 3601A/B. This background will be used to examine how physiological and biochemical systems evolve and interact to allows animals to live and thrive in almost every environment on Earth.
Antirequisite(s): The former Biology 3651A/B.
Pre-or Corequisite(s): A minimum mark of 60% in Biology 3601A/B or Physiology 3120.
3 lectures hours, 2 tutorial hours, 0.5 course.

Biology 3603A/B - Ecophysiology of Plants
This course introduces students to the physiological responses of plants to their environment. Specific topics covered include water balance, mineral nutrition, phytohormones, plant defenses and environmental stress. The material covered provides valuable background information for students planning to take further courses in either plant physiology or plant ecology.
Antirequisite(s): The former Biology 2660A/B.
Prerequisite(s): Biology 2601A/B.
2 lectures hours, 3 laboratory hours, 0.5 course.

COMPUTER SCIENCE

*Effective **September 1, 2011**, the following course will be revised:*

Computer Science 2080A/B - Computational Tools for Modeling Social Phenomena
3 lecture hours, 1 laboratory hour, 0.5 course.

MATHEMATICS

*Effective **September 1, 2011**, the following courses will be revised:*

Mathematics 4152A/B - Algebraic Topology
Prerequisite(s): Mathematics 3120A/B and either Mathematics 3132B or the former Mathematics 4121A.

*Effective **September 1, 2011**, the following modules will be revised:*

HONORS SPECIALIZATION IN MATHEMATICS

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:
0.5 course: Calculus 1000A/B, 1500A/B or 1100A/B;
0.5 course: (Calculus 1501A/B (recommended)) or (Calculus 1301A/B with a mark of at least 85%); plus 2.0 additional courses, with no mark in these principal courses below 60%. Mathematics 1600A/B or the former Linear Algebra 1600A/B, and Mathematics 1120A/B, if taken in first year, will count toward the 3.0 principal courses.

HONORS SPECIALIZATION IN MATHEMATICS IN SOCIETY

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:
0.5 course: Calculus 1000A/B, 1500A/B or 1100A/B;
0.5 course: (Calculus 1501A/B (recommended)) or (Calculus 1301A/B with a mark of at least 85%); plus 2.0 additional courses, with no mark in these principal courses below 60%. Mathematics 1600A/B or the former Linear Algebra 1600A/B, and Mathematics 1120A/B, if taken in first year, will count toward the 3.0 principal courses.

Module
9.0 courses:
4.0 courses: Calculus 2502A/B, 2503A/B, Mathematics 2120A/B, 2122A/B, 2155A/B, ~~2212A/B,~~ 3020A/B, 3150A/B, either Applied Mathematics 3811A/B or Mathematics 2212A/B.
2.5 courses from: Actuarial Science 2553A/B, Applied Mathematics 2402A or the former Differential Equations 2402A, Applied Mathematics 2813B, 3815A/B, Computer Science 2209A/B, 2210A/B, 3331A/B, 3340A/B, Earth Sciences 2222A/B, Economics 2210A/B, Mathematics 2124A/B, 2156A/B, 2251F/G, 3152A/B, 4158A/B/Y, Philosophy 2250, 2251F/G, 2252W/X, 2254A/B, 3201A/B, 3202B, 4201A/B, 4202A/B, Statistical Sciences 2857A/B, 2858A/B, the former Statistical Sciences 2657A.
…

MAJOR IN MATHEMATICS

Admission Requirements
Completion of first-year requirements. Students must have an average of at least 70% in 3.0 principal courses, including:
0.5 course: Calculus 1000A/B, 1500A/B or 1100A/B;
0.5 course: (Calculus 1501A/B (recommended)) or (Calculus 1301A/B with a mark of at least 85%); plus 2.0 additional courses, with no mark in these principal courses below 60%. Mathematics 1600A/B or the former Linear Algebra 1600A/B, and Mathematics 1120A/B, if taken in first year, will count toward the 3.0 principal courses.

SPECIALIZATION IN MATHEMATICS

Admission Requirements
Completion of first-year requirements, including,
0.5 course: A mark of at least 60% in Calculus 1000A/B, 1500A/B or 1100A/B.
0.5 course: A mark of at least 60% in Calculus 1501A/B (recommended) or a mark of at least 85% in Calculus 1301A/B.
Mathematics 1600A/B or the former Linear Algebra 1600A/B, and Mathematics 1120A/B are recommended.
…
Module
9.0 courses:

…
0.5 course from: Mathematics 3124A/B or Mathematics 2212A/B or Applied Mathematics 3811A/B.

SPECIALIZATION IN MATHEMATICS IN SOCIETY

Admission Requirements
Completion of first-year requirements, including,
0.5 course: A mark of at least 60% in Calculus 1000A/B, 1500A/B or 1100A/B.
0.5 course: A mark of at least 60% in Calculus 1501A/B (recommended) or a mark of at least 85% in Calculus 1301A/B.
Mathematics 1600A/B or the former Linear Algebra 1600A/B, and Mathematics 1120A/B are recommended.
…
Module
9.0 courses:

…
3.0 courses from: Actuarial Science 2553A/B, Applied Mathematics 2402A or the former Differential Equations 2402A, Applied Mathematics 2813B, 3815A/B, Computer Science 2209A/B, 2210A/B, 3331A/B, 3340A/B, Earth Sciences 2222A/B, Economics 2210A/B, Mathematics 2124A/B, 2155A/B, 2156A/B, 2212A/B, 2251F/G, 3020A/B, 3150A/B, 3152A/B, 4158A/B/Y, either Applied Mathematics 3811A/B or Mathematics 2212A/B, Philosophy 2250, 2251F/G, 2252W/X, 2254A/B, 3201A/B, 3202B, 4201A/B, 4202A/B, Statistical Sciences 2857A/B, 2858A/B, the former Statistical Sciences 2657A. Note that some of these courses have prerequisites that are not part of the module.

MINOR IN MATHEMATICS

Admission Requirements
Completion of first-year requirements, including,
0.5 course: A mark of at least 60% in Calculus 1000A/B, 1500A/B or 1100A/B.
0.5 course: A mark of at least 60% in Calculus 1501A/B (recommended) or a mark of at least 85% in Calculus 1301A/B.
Mathematics 1600A/B or the former Linear Algebra 1600A/B, and Mathematics 1120A/B are recommended.
…
Module
4.0 courses:

…
2.5 additional courses from: Computer Science 3331A/B, 3340A/B, Earth Sciences 2222A/B, Economics 2122A/B, 2123A/B, 2141A/B, 2142A/B, 2210A/B, 2222A/B, 2223A/B, 3310A/B, Philosophy 2250, 2251F/G, 2252W/X, 2254A/B, 3201A/B, 3202B, 4201A/B, 4202A/B, any Actuarial Science, Applied Mathematics, Computer Science, Mathematics, or Statistical Sciences course at the 2000 level or above. Note that some of these courses have prerequisites that are not part of the module.

MEDICAL BIOPHYSICS

Effective ***January 1, 2011***, *the following course will be introduced:*

Medical Biophysics 4600A/B - Special Topics in Medical Biophysics
Selected topics of current interest in Medical Biophysics.
Prerequisite(s): permission of the Department of Medical Biophysics.
3 lecture hours, 0.5 course.

PATHOLOGY

Effective ***September 1, 2011***, *the following courses will be introduced:*

Pathology 4100F - Health Informatics
Fundamentals of Health Informatics (HI) including an overview of the health care system; computer systems; communications/information theory; data types, standards, quality, uses and users; and HI applications. Uses

of computers in health care with emphasis on various clinical support and clinical information systems and the electronic health record and its achievability.
Prerequisite(s): Enrolment in either Year 4 of the Honors Specialization in Pathology and Toxicology or Year 4 of the Software Engineering (Health Informatics option) offered through the Department of Electrical and Computer Engineering, or permission of the course director.
2 lecture hours, 2 laboratory/tutorial hours per week, 0.5 course.

Pathology 4110G - Health Information Management
The flow, management and use of health data across integrated health facilities, clinical information systems and the care continuum will be examined. Implementation of complex health information systems will be explored, including security and privacy of health information, adoption of new technologies, team and project management.
Prerequisite(s): Pathology 4100F and enrolment in Year 4 of the Honors Specialization in Pathology and Toxicology or Year 4 of the Software Engineering (Health Informatics option) offered through the Department of Electrical and Computer Engineering, or permission of the course director.
2 lecture hours per week, 0.5 course.

Effective **September 1, 2011**, *the following module will be revised:*

HONORS SPECIALIZATION IN PATHOLOGY AND TOXICOLOGY
…
Module
11.0 courses:
0.5 course: Biochemistry 2280A.
0.5 course: Biology 2382B.
0.5 **course from**: Biology 2290F/G, ~~Biology 2382B~~, 2581B.
…
0.5 course from: Biology 3316A/B, Chemistry 2272F, Epidemiology and Biostatistics 3330B, Physiology 3140A, Pathology 4100F, Pathology 4110G.
1.0 course: Pharmacology 3620, or the former Pharmacology 3550A/B and 3560A/B.

SPECIALIZATION IN PATHOLOGY AND TOXICOLOGY
…
Module
10.0 courses:
0.5 course: Biochemistry 2280A.
0.5 course: Biology 2382B.
0.5 **course from**: Biology 2290F/G, ~~Biology 2382B~~, 2581B.
…
1.0 course: Pharmacology 3620, or the former Pharmacology 3550A/B and 3560A/B.

STATISTICAL SCIENCES

Effective **September 1, 2011**, *the following course will be revised:*

Statistical Sciences 3859A/B - Regression
Prerequisite(s): A minimum mark of 60% in Statistical Sciences 2858A/B ~~and in Applied Mathematics 2503A/B or Calculus 2503A/B~~.

FACULTY OF SOCIAL SCIENCE

ECONOMICS

Effective **September 1, 2011**, *the following courses will be revised:*

Economics 2122A/B – Econometrics I
Antirequisite(s): Biology 2244A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, 2820E, 2830A/B, 2850A/B, 2851A/B, the former 2885, Social Work 2205,

Sociology 2205A/B, Statistical Sciences 2035, 2037A/B if taken before Fall 2010, 2141A/B, 2143A/B, 2244A/B, 2858A/B and the former 2122A/B. Students wishing to enroll in higher-level courses in the Department of Statistics and Actuarial Sciences are encouraged to consult that department.

Economics 2220A/B - Intermediate Macroeconomics I
Prerequisite(s): Economics 1021A/B and 1022A/B, or Economics 1020; and Calculus 1000A/B (with a mark no less than 60%) or Calculus 1100A/B (with a mark no less than 60%).

Economics 2222A/B - Intermediate Econometrics I
Antirequisite(s): Biology 2244A/B, Economics 2122A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, 2820E, 2830A/B, 2850A/B, 2851A/B, the former 2885, Social Work 2205, Sociology 2205A/B, Statistical Sciences 2035, 2037A/B if taken before Fall 2010, 2141A/B, 2143A/B, 2244A/B, 2858A/B and the former 2122A/B. Students wishing to enroll in higher-level courses in the Department of Statistics and Actuarial Sciences are encouraged to consult that department.
Prerequisite(s): Economics 1021A/B and 1022A/B, or Economics 1020; and Calculus 1000A/B (with a mark no less than 60%) or Calculus 1100A/B (with a mark no less than 60%).

Economics 2260A/B - Intermediate Microeconomics I
Prerequisite(s): Economics 1021A/B and 1022A/B, or Economics 1020; and Calculus 1000A/B (with a mark no less than 60%) or Calculus 1100A/B (with a mark no less than 60%).

GEOGRAPHY

Effective **September 1, 2011**, *the following course will be revised:*

Geography 2210A/B - Introduction to Spatial Analysis
Antirequisite(s): Biology 2244A/B, Economics 2122A/B, 2222A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, 2820E, 2830A/B, 2850A/B, 2851A/B, the former 2885, Social Work 2205, Sociology 2205A/B, Statistical Sciences 2035, 2037A/B if taken before Fall 2010, 2141A/B, 2143A/B, 2244A/B, 2858A/B and the former 2122A/B.

Effective **September 1, 2011**, *the following module will be revised:*

HONORS SPECIALIZATION IN URBAN DEVELOPMENT – BA
…
Module
15.0 courses
…
2.5 additional courses* from: Anthropology 2201F/G, Computer Science 1032A/B, Economics 2117A/B, 2150A/B, 2151A/B, 2157F/G, 2184A/B, Geography 3221A/B, 3222A/B, 3223A/B, 3311A/B, 3416F/G, 3421A/B, 3465F/G, 4900E, the former History 404E, Management and Organizational Studies 2276A/B, Political Science 2211E, 2246E, 3363F/G, 3364F/G, the former Political Science 134a/b, 0.5 from the former Sociology 2101F/G or 2103F/G or 2104F/G, Sociology 2151A/B, 2152A/B, 2280A/B, 2281A/B, Visual Arts History 3388F/G, Writing 2101F/G.

MANAGEMENT AND ORGANIZATIONAL STUDIES

Effective **September 1, 2011**, *the following course will be revised:*

MOS 2242A/B - Statistics for Management and Organizational Studies
Antirequisite(s): Biology 2244A/B, Economics 2122A/B, 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, Psychology 2810, 2820E, 2830A/B, 2850A/B, 2851A/B, the former 2885, Social Work 2205, Sociology 2205A/B, Statistical Sciences 2035, 2037A/B if taken before Fall 2010, 2141A/B, 2143A/B, 2244A/B, 2858A/B and the former 2122A/B.

PSYCHOLOGY

Effective **September 1, 2011**, *the following courses will be revised:*

Psychology 2810 - Statistics for Psychology
Antirequisite(s): Biology 2244A/B, Economics 2122A/B, 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2820E, 2830A/B, 2850A/B, 2851A/B, the former 2885, Social Work 2205, Sociology 2205A/B, Statistical Sciences 2035, 2037A/B if taken before Fall 2010, 2122A/B, 2141A/B, 2143A/B, 2244A/B, 2858A/B and the former 2122A/B.
Prerequisite(s): At least 60% in a 1000-level Psychology course plus one full course in mathematics. To fulfill the mathematics requirement, you must complete a full course equivalent by taking 1.0 courses from among the following courses: Applied Mathematics 1201A/B or the former Calculus 1201A/B, Mathematics 0110A/B, 1120A/B, 1225A/B, 1228A/B, 1229A/B, 1600A/B, Calculus 1000A/B, 1100A/B, 1301A/B, 1500A/B, 1501A/B, the former Linear Algebra 1600A/B, Statistical Sciences 1024A/B, former Mathematics 030 and 031. If Mathematics 0110A/B is selected, then either Statistical Sciences 1024A/B or Mathematics 1228A/B must be taken. The combination of Mathematics 1228A/B and Statistical Sciences 1024A/B is strongly recommended.

Psychology 2820E - Research Methods and Statistical Analysis in Psychology
Antirequisite(s): Biology 2244A/B, Economics 2122A/B, 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, 2830A/B, 2850A/B, 2851A/B, the former 2885, Social Work 2205, Sociology 2205A/B, Statistical Sciences 2035, 2037A/B if taken before Fall 2010, 2122A/B, 2141A/B, 2143A/B, 2244A/B, 2858A/B and the former 2122A/B.
Prerequisite(s): At least 60% in a 1000-level Psychology course plus one full course in mathematics. To fulfill the mathematics requirement, you must complete a full course equivalent by taking 1.0 courses from among the following courses: Applied Mathematics 1201A/B or the former Calculus 1201A/B, Mathematics 0110A/B, 1120A/B, 1225A/B, 1228A/B, 1229A/B, 1600A/B, Calculus 1000A/B, 1100A/B, 1301A/B, 1500A/B, 1501A/B, the former Linear Algebra 1600A/B, Statistical Sciences 1024A/B, former Mathematics 030 and 031. If Mathematics 0110A/B is selected, then either Statistical Sciences 1024A/B or Mathematics 1228A/B must be taken. The combination of Mathematics 1228A/B and Statistical Sciences 1024A/B is strongly recommended.

*Effective **September 1, 2011**, the following modules will be revised:*

HONORS SPECIALIZATION IN PSYCHOLOGY - BA
…
Module
9.0 courses:
…
0.5 Research course from: Psychology 3184F/G, 3185F/G, 3285F/G, 3480F/G, 3485F/G, 3580F/G, 3780F/G, 3840F/G.

MINOR IN PSYCHOLOGY
…
Module
4.0 courses:
1.0 course: Psychology 2080A/B, 2990A/B.
2.0 courses in Psychology numbered 2000-2099.*
1.0 course in Psychology numbered 2000-2999.
* Students transferring from the Major in Psychology may substitute psychology courses at 2100 level and above to meet this requirement.

SOCIOLOGY

*Effective **September 1, 2011**, the following course will be revised:*

Sociology 2205A/B - Statistics for Sociology
Antirequisite(s): Biology 2244A/B, Economics 2122A/B, 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, 2820E, 2830A/B, 2850A/B, 2851A/B, the former 2885, Social Work 2205, Statistical Sciences 2035, 2037A/B if taken before Fall 2010, 2122A/B, 2141A/B, 2143A/B, 2244A/B, 2858A/B and the former 2122A/B.

BRESCIA UNIVERSITY COLLEGE

DIMENSIONS OF LEADERSHIP

*Effective **September 1, 2011**, the following courses will be introduced:*

Dimensions of Leadership 3332A/B - Women and Leadership
This course considers the traits, styles, and effectiveness of women leaders as well as significant differences which may separate male and female leaders. Obstacles women face in securing leadership positions and actions which might be taken to close this leadership gap are also examined.
Prerequisite(s): Dimensions of Leadership 2231 or permission of Social Sciences at Brescia.
3 hours, 0.5 course.
(Brescia)

Dimensions of Leadership 3333A/B - Leadership Development
This course considers the conditions, techniques, and activities which facilitate the development of leaders and leadership. The course emphasizes that leadership development includes not only the nurturing of individual skills but also competencies relating to interactions with other persons in the immediate environment and the larger organization.
Prerequisite(s): Dimensions of Leadership 2231 or permission of Social Sciences at Brescia.
3 hours, 0.5 course.
(Brescia)

Dimensions of Leadership 3339A/B - Special Topics in Leadership
Prerequisite(s): Dimensions of Leadership 2231 or permission of Social Sciences at Brescia.
3 hours, 0.5 course.
(Brescia)

FAMILY STUDIES

*Effective **September 1, 2011**, the following modules will be revised:*

HONORS SPECIALIZATION IN FAMILY STUDIES – BA (HUMAN ECOLOGY)
…
Module
9.0 courses:

…
1.0 course from: Psychology 2850A/B and Psychology2855F/G or the former Psychology 2885, Sociology 2205A/B and 2206A/B or the former Sociology 231.
2.0 to 3.0 courses (depending on the courses selected above) from: Anthropology 2254F/G, English 2033E, 2725F/G, Family Studies 2200E, 2225, 2230, 2240A/B-2242A/B, 3350A/B-3352A/B, former 4401A/B, 4402A/B, 4450A/B-4452A/B, Human Ecology 1033A/B, 2122A/B, 2222F/G, 3330A/B, 3338A/B, 3343A/B, the former 022F/G, Political Science 2220F/G, 2286F/G, Psychology 2041 or 3434E, 2075, Religious Studies 2150 or 2265E, 2216F/G, 2217F/G, 2222F/G, Social Work 2284, Sociology 2267A/B, 3341F/G.

HONORS SPECIALIZATION IN FAMILIES AND COMMUNITIES- {BA (HUMAN ECOLOGY) – degree specification to be approved at April Scapa/Senate}
…
Module
9.0 courses

…
1.5 courses from: Family Studies 2230, Psychology 2040A/B, 2075, 2410A/B, Religious Studies 2150, Sociology 2235, 3341F/G.

HONORS SPECIALIZATION IN NUTRITION AND FAMILIES – {BA (HUMAN ECOLOGY) – degree specification to be approved at April Scapa/Senate}

…
Module
9.0 courses:

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

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

SPECIALIZATION IN FAMILY STUDIES - {BA (HUMAN ECOLOGY) – degree specification to be approved at April Scapa/Senate}

…
Module
9.0 courses:

…
3.0 to 4.0 courses (depending on the courses selected above) from: Anthropology 2254F/G, English 2033E, 2725F/G, Family Studies 2200E, 2225, 2230, 2240A/B-2242A/B, 3310A/B, 3350A/B-3352A/B, 4402A/B, 4450A/B-4452A/B, or the former 4401A/B, Human Ecology 1033A/B, 2122A/B, 2222F/G, 3330A/B, 3338A/B, 3343A/B, the former 022F/G, Political Science 2220F/G, 2286F/G, Psychology 2041 or 3434E, 2075, Psychology 2850A/B and Psychology 2855F/G or the former Psychology 2885, Religious Studies 2150 or 2265E, 2216F/G, 2217F/G, 2222F/G, Social Work 2284, Sociology 2267A/B, 3341F/G, 2205A/B and Sociology 2206A/B or the former Sociology 231.

SPECIALIZATION IN NUTRITION AND FAMILIES - {BA (HUMAN ECOLOGY) – degree specification to be approved at April Scapa/Senate}

…
Module
9.0 courses:

1.0 course from: Family Studies 2200E, 2225.
0.5 course from: Writing 1020F/G, 2101F/G.
2.5 courses: Foods and Nutrition 2132A/B, 2241A/B, 3361A/B, Human Ecology 2222F/G, 2266F/G.
0.5 course: Psychology 2410A/B.
1.5 courses from: Family Studies 2230, Human Ecology 3343A/B, 1033A/B, 3338A/B, 2122A/B, 3330A/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.
~~**1.0 course** from: Family Studies 3310A/B, 4220A/B, 4230A/B, 4403, the former 4401A/B.~~
An additional 1.5 courses taken from either of the last two groups listed above.

MAJOR IN FAMILY STUDIES – {BA (HUMAN ECOLOGY) – degree specification to be approved at April Scapa/Senate}

…
Module
6.0 courses:

…
1.0 to 2.0 courses (depending on the courses selected above) from: Anthropology 2254F/G, English 2033E, 2725F/G, Family Studies 2230, 2240A/B-2242A/B, 3310A/B, 3350A/B- 3352A/B, 4220A/B, 4230A/B, 4402A/B, 4450A/B-4452A/B, or the former 4401A/B, History 2183A/B, 2803E, Human Ecology 2122A/B, 2222F/G, 3330A/B, 3338A/B, 3343A/B, the former 022F/G, Philosophy 2067E, Political Science 2220F/G, 2286F/G, Psychology 2050, 2075, Religious Studies 2150 or 2265E, 2216F/G, 2217F/G, 2222F/G, Social Work 2284, Sociology 2267A/B, 3341F/G.

MAJOR IN NUTRITION AND FAMILIES

…

Module

6.0 courses:

…

3.0 courses from: Psychology 2410A/B, Family Studies 2225, 2230, 2200E, 3310A/B, 3320A/B, 3325A/B, 4401A/B, 4220A/B, 4230A/B, 4403, Psychology 2041, Human Ecology 1033A/B, 2122A/B, 3330A/B, 3343A/B, 3338A/B.

MINOR IN FAMILY STUDIES (to be combined with any eligible degree)

…

Module

4.0 courses:

…

0.5 to 1.0 courses (depending upon the courses selected above) from: Anthropology 2254F/G, English 2033E, 2725F/G, Family Studies 2200E, 2225, 2230, 2240A/B-2242A/B, 3350A/B-3352A/B, the former 022F/G, History 2182A/B, 2803E, the former 2222F/G, Philosophy 2067E, Psychology 2075, Religious Studies 2150 or 2265E, 2216F/G, 2217F/G, 2222F/G, Sociology 2202, 2267A/B, 3341F/G.

HISTORY

Effective **September 1, 2011***, the following course will be introduced:*

History 3407F/G - Themes in European Environmental History: From Antiquity to the Nineteenth Century
This course explores the history of European attitudes toward the natural world. We will reach back to Antiquity, but the Middle Ages, the Renaissance, and, above all, the early-modern period will draw most of our attention. The multi-disciplinary nature of environmental history will suggest a broad range of topics.
Prerequisite(s): 1.0 course in History at the 2200 level or above.
2 hours, 0.5 course.
(Brescia)

REGISTRAR'S UPDATE

FACULTY OF MUSIC

Effective **September 1, 2010***, Music Administrative Studies will be revised to include Mathematics 1600A/B (this revision applies to after April SCAPA/Senate revising the whole program)*

First Year

0.5 course from: Calculus 1000A/B, the former Linear Algebra 1600A/B, Mathematics 1600A/B, 1228A/B, 1229A/**B.**