The following proposals, received on DAP between October 1-15, 2013, have been approved.
For more information on the DAP process, see the Academic Handbook at www.uwo.ca/univse/handbook.

FACULTY OF ARTS AND HUMANITIES

MODERN LANGUAGES AND LITERATURES

*Effective **September 1, 2014**, the description module for the Minor in Digital Humanities be adjusted as part of the offerings in the Department of Modern Languages and Literatures on Main Campus.*

MINOR IN DIGITAL HUMANITIES
Admission Requirements
Completion of first-year requirements, including Computer Science 1033A/B ~~and~~ or Digital Humanities 1011A/B with a mark of at least 60% ~~in each,~~ or permission of the Department.
Module
4.0 courses:
1.0 course: Digital Humanities 2220A/B, 2221A/B
1.0 course from: Digital Humanities at the 2000-level or above
1.0 course from: Digital Humanities at the 2200-level or above
1.0 course from: Digital Humanities at the 3000-level or above

*Effective **January 1, 2014**, the pre-, co- and anti-requisites for the following courses in the Department of Modern Languages and Literatures on Main Campus be adjusted.*

Italian 2200W/X – Intensive Intermediate Italian
This course further develops students' communicative skills using authentic materials including songs, films, websites. Students will familiarize themselves with the richness of Italian contemporary culture and will expand their knowledge of grammar. This accelerated course requires a very high level of commitment.
Antirequisite(s): Italian 2200, the former 2250.
Prerequisite(s): Italian 1030 or 1030W/X or Grade 12U Italian with a minimum grade of 60% or permission of the Department.
8 hours, one semester, 1.0 course.

Italian 2215F/G – Exploring Italian Culture
Introduction to reading, writing and researching about Italian culture and its contribution to the global context. Students will acquire foundations through case studies concerning arts, literature, language, history and identity. Taught in Italian by a core professor in conjunction with different specialists.
Pre-or Corequisite(s): Italian 2200 or 2200W/X, the former 2250 or permission of the Department.
3 hours, 0.5 course. Taken in second year.

Italian 2220A/B – Italian Conversation
Guided conversations in Italian dealing with the hottest issues in contemporary Italy. Students will develop their communicative skills in Italian through discussion of a number of topics, ranging from social and political issues to TV and pop culture, fashion, food, sports.
Pre-or Corequisite(s): Italian 2200, ~~or~~ 2200W/X, the former 2250 or permission of the Department.
3 hours, 0.5 course. Taken in second or third year.

Italian 2260F/G –2267F/G – Special Topics in Italian Literature and Culture
Consult the Department for current offerings. Taught in English and Italian.
Pre-or Corequisite(s): Italian 2200, 2200W/X, the former 2250 or permission of the Department.
3 hours, 0.5 course.

Italian 3325A/B – Italian Opera: Words and Music
Focusing on an art form closely associated with Italy and its culture, this course will guide the students into

understanding the linguistic and literary specificity of Italian librettos, while exploring the major themes of classic Italian operas like love and death, desire, honour, betrayal. Taught in Italian.
Prerequisite(s): Italian 2200 or 2200W/X, the former 2250 or permission of the Department.
3 hours, 0.5 course.

Italian 3329F/G – Women in Italian Literature and Culture
Explore the representations of women in Italian media and literature. Map a plurality of images of femininity onto their historical and cultural backgrounds. Assess the value of cultural constructs ranging from the angel to the prostitute to the diva. Taught in Italian.
Prerequisite(s): Italian 2200, 2200W/X, the former 2250 or permission of the Department.
3 hours, 0.5 course.

Italian 3340F/G – Rome: the Eternal City
Discover Rome and its prominent role in the global political and religious context. Understand its unique contribution to Western arts and culture. Identify and map traces of the past in the city's contemporary urban landscape and daily life. Taught in English.
Antirequisite(s): CLC 2100, the former Italian 2100
3 hours, 0.5 course. Enrollment in year 3 or 4.

Effective **March 1, 2014**, *the pre-, co- and anti-requisites for the following courses in the Department of Modern Languages and Literatures on Main Campus be adjusted.*

Italian 2200 – Intermediate Italian
This course further develops students' communicative skills using authentic materials including songs, films, websites. Students will familiarize themselves with the richness of Italian contemporary culture and will expand their knowledge of grammar.
Antirequisite(s): Italian 2200W/X, the former 2250.
Prerequisite(s): Italian 1030, 1030W/X, Grade 12U Italian or permission of the Department.
4 hours, 1.0 course.

Italian 3300 – Advanced Italian
This course expands students' communicative skills, introduces idiomatic expressions and increases control of grammatical structures. Material will be drawn from authentic articles, websites and films. Discussion will be focused on cultural aspects of Italy's past and contemporary society.
Prerequisite(s): Italian 2200, or 2200W/X, the former 2250 with a minimum standing of 60%, or permission of the Department.
4 hours, 1.0 course.

Effective **September 1, 2014**, *the following Spanish course offerings in the Department of Modern Languages and Literatures on Main Campus be included in the Minors.*

MINOR IN SPANISH LANGUAGE AND LINGUISTICS
Admission Requirements
Completion of first year requirements, including 1.0 course from Spanish 1030 or 1030W/X with a mark of at least 60% or successful completion of Grade 12 U Spanish or permission of the Department.
Module
4.0 courses:
1.0 course (prerequisite for the rest of the module) from: Spanish 2200, 2200W/X, 2223.
1.0 course from: Spanish 3300, 3301E
1.0 course: Spanish 2214A/B and 3303A/B.
1.0 additional course from the following: Spanish 2215F/G, 2951A/B - 2960A/B, 3314F/G, 3315F/G, 3317A/B, 3318A/B, 3911A/B - 3920A/B.
Notes: With permission of the Department, certain additional Spanish courses at the 4000 level (Special Topics) may be used to fulfill requirements for Language and Linguistics courses listed above. With permission of the Department, students who are fluent in Spanish may substitute Spanish 2200 with Portuguese 2200.

MINOR IN SPANISH LANGUAGE AND HISPANIC CULTURES
Admission Requirements
Completion of first-year requirements, including 1.0 course from Spanish 1030 or 1030W/X with a mark of at least 60%, or successful completion of Grade 12U Spanish, or permission of the Department.
Module
4.0 courses:
1.0 course from: Spanish 2200, 2200W/X, 2223 (prerequisite for the rest of the module)
1.0 course from: Spanish 3300, 3301E
2.0 courses from: Spanish 2215F/G, 2216F/G, 2220A/B, 2901A/B - 2905A/B, 2906A/B - 2910A/B, 2911A/B - 2915A/B, 3421F/G, 3422F/G, 3501F/G, 3511F/G, 3521F/G, 3531F/G, 3541F/G, 3901F/G - 3905F/G, 3906A/B - 3910A/B.

FACULTY OF ENGINEERING

Effective **September 1, 2014**, *ES 2299A/B – Integrated Engineering Design I and ES 3399 - Integrated Engineering Design II will be withdrawn.*

CHEMICAL AND BIOCHEMICAL

Effective **September 1, 2014**, *revise the Green Process Engineering fourth year program.*

GREEN PROCESS ENGINEERING
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Fourth-Year Program
Business Administration 2299E, GPE 4484A/B, GPE 4497, ~~GPE 4415*, one of: , CBE 4407A/B, CBE 4409A/B or the former CBE 3363A/B, CEE 4405A/B,~~ ES 4498F/G, 0.5 non-technical elective*, two 0.5 technical electives*, ~~0.5 non-technical elective**, ES 4498F/G.~~ or GPE 4415, one of: CEE 4405A/B, CBE 4407A/B, CBE 4409A/B or the former CBE 3363A/B.
~~*A student may substitute two 0.5 technical electives from the list below for GPE 4415.~~
~~~~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.
Green Process Engineering Program Technical Electives:
CBE 3301A/B, CBE 4407A/B, CBE 4409A/B or the former CBE 3363A/B, CBE 4417A/B, CBE 4432A/B, CBE 4493A/B or the former CBE 3392A/B, the former CBE 4425A/B, CEE 4405A/B, CEE 3362A/B.

CIVIL AND ENVIRONMENTAL

Effective **January 1, 2014**, *revise CEE 3358A/B.*

CEE 3358A/B Reinforced and Prestressed Concrete Design
~~Reinforced concrete design, pre-stressed concrete design and an introduction to wood design are covered. The background to appropriate building codes is considered with reference to the design of beams, columns, other units and subassemblies. Solution of design problems is included.~~
Behaviour and design of Reinforced Concrete (RC) and Prestressed Concrete (PC) elements: RC two-way slabs, RC slender columns in non-sway frames, RC bearing walls, RC basement walls, RC shear walls, RC footings, RC pile caps, PC one-way slabs and PC beams.
Prerequisite(s): CEE 2202A/B, ~~CEE 2220A/B,~~ CEE 2221A/B, ~~CEE 3340A/B,~~ CEE 3347A/B~~, Applied Mathematics 2411 or 2415~~.
3 lecture hours, 3 tutorial hours, 0.5 course.

Effective **September 1, 2014**, *revise the following courses.*

Civil and Environmental Engineering 2220A/B – ~~Structural Theory and Design I~~ Introduction to Structural Engineering
A first course in Structural Theory and Design, including a consolidation of material concerning static equilibrium. Free body diagrams; behaviour, analysis and design of steel and wooden trusses and statically determinate steel and wooden beams; Euler buckling; force effect envelopes; snow and static wind loads.
Prerequisite(s): ES 1022A/B/Y, Applied Mathematics 1413.
Corequisite(s): CEE 2202A/B, Applied Mathematics 2411.
~~2~~ 3 lecture hours, 1 laboratory hour, 1 tutorial hour, 0.5 course.

Civil and Environmental Engineering 2221A/B - Structural Theory and Design II
A consolidation of the analysis and design of statically determinate structures, and an introduction to the analysis of indeterminate structures. Analysis and design of statically determinate beams and frames; bending of unsymmetric sections; virtual work and energy methods, introduction to indeterminate structural analysis.
Prerequisite(s): ~~ES 1022A/B/Y,~~ CEE 2202A/B, CEE 2220A/B.
Corequisite(s): Applied Mathematics 2411.
3 lecture hours, 1 laboratory hour, 1 tutorial hour, 0.5 course.

Civil and Environmental Engineering 3340A/B – ~~Structural Theory III~~ Analysis of Indeterminate Structures
A continuation of CEE 2221A/B. Methods of analysis of structures having a high degree of statistical indeterminacy such as frames, continuous beams and arches. Matrix formulation of the displacement methods and computer oriented analysis. Influence lines for indeterminate structures.
Prerequisite(s): ~~CEE 2202A/B,~~ CEE 2221A/B, Applied Mathematics 2411 or 2415.
3 lecture hours, 2 laboratory/tutorial hours, 0.5 course.

Civil and Environmental Engineering 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~~
3 lecture hours, 3 design laboratory/tutorial hours, 0.5 course.

CEE 4426A/B - Geotechnical Engineering Design
Application of shear strength, effective stress, and earth pressure theories to the design of ~~embankments and slopes,~~ shallow and deep foundations, braced cuts, and retaining structures and related safety issues.
Prerequisite(s): CEE 3322A/B or CEE 3326.
~~2~~ 3 lecture hours, ~~3~~ 2 tutorial hours, 0.5 course.

*Effective **September 1, 2014**, introduce the following courses.*

CEE 3321A/B Soil Mechanics and Hydrogeologic Engineering
Soil classification, clay mineralogy, effective stress principle, site investigation practice, soil compaction, and one and two dimensional steady state flow in natural and engineered systems.
Antirequisite(s): the former CEE 3326
Prerequisite(s): CEE 2202A/B, Applied Mathematics 2411 or 2415, Earth Sciences 2281A/B.
2 lecture hours, 3.5 tutorial/laboratory hours, 0.5 course.

CEE 3322A/B Introduction to Geotechnical Engineering
One dimensional settlement and consolidation theories for clayey soils, shear strength models, and assessment of slope stability.
Antirequisite(s): the former CEE 3326
Prerequisite(s): CEE 3321A/B.
3 lecture hours, 2.5 tutorial/laboratory hours, 0.5 course.

CEE 3343A/B Finite Element Methods and Application to Lateral Analysis of Buildings
Introduces the basis of the finite method and its application in solving problems in solid mechanics. Application of the finite element method in the modelling and analysis of buildings as well as coverage of approximate methods for estimating the response of buildings to lateral loads are introduced in the course.
Antirequisite(s): the former CEE 3341A/B, the former CEE 3384A/B
Prerequisite(s): CEE 2221A/B, CEE 3340A/B
3 lecture hours, 3.0 tutorial/laboratory hours, 0.5 course.

CEE 3344A/B Structural Dynamics I
Students are introduced to concepts of structural dynamics and the response of civil engineering structures to time-varying loads, including those due to wind and earthquakes. Topics include: the effects of the mass and damping; random dynamic loads; the design of dynamically sensitive structures that can be approximated as a (generalized) single-degree-of-freedom system.
Antirequisite(s): CEE 4490
Prerequisite(s): CEE 2221A/B
Corequisite(s): CEE 3340A/B
2 lecture hours, 2 tutorial/laboratory hours, 0.5 course.

CEE 4480A/B Wind Engineering; Modelling Assessment and Mitigation
An introduction to wind effects on structures. Topics covered include wind climate, the atmospheric boundary layer and its description, bluff body aerodynamics and aeroelastic effects, quasi-static and dynamic approaches to wind loads on structures, internal pressures, and code approaches to wind loads on structures.
Prerequisite(s): Completion of the third year of the Civil Engineering program.
2 lecture hours, 2 tutorial/laboratory hours, 0.5 course.

Effective **September 1, 2014**, *the following courses be withdrawn.*

   CEE 3326 – Soil Mechanics and Hydrogeologic Engineering
   CEE 3341A/B – Structural Theory IV
   CEE 3342A/B – Natural Loads and Their Effects
   CEE 3384A/B – Finite Element Methods in Solid Mechanics
   CEE 4461A/B – Natural Disasters: Mitigation, Modeling and Assessment

Effective **September 1, 2015** *CEE 4490 be deleted from the course offerings and taken out of the fourth year Civil Engineering programs.*

Effective **September 1, 2015**, *Civil and Environmental Engineering 4491A/B be introduced and added to the fourth year curriculum for options A and G.*

   CEE 4491A/B Structural Dynamics II
   Students are introduced to the analysis of multi-degree-of-freedom system under dynamic loading, including those due to wind and earthquakes. Topics include: the effects of the mass and damping; random dynamic loads; the design of dynamically sensitive structured, and fatigue.
   To be offered starting September 2015.
   Antirequisite(s): the former CEE 4490
   Prerequisite(s): CEE 3344A/B
   3 lecture hours, 2 tutorial/laboratory hours, 0.5 course.

Effective **September 1, 2014**, *the following CEE Options be revised.*

   A. ~~CIVIL AND~~ STRUCTURAL ENGINEERING OPTION
   Second Year Program
   Applied Mathematics 2411, CEE 2202A/B, CEE 2217A/B, CEE 2219A/B, CEE 2220A/B, CEE 2221A/B, CEE 2224, ES 2211F/G, Earth Sciences 2281A/B, Statistical Sciences 2141A/B*
   * Note: A student may, with the permission of the department counsellor, substitute Statistical Sciences 2143A/B for Statistical Sciences 2141A/B.

Note: CEE 3324A/B (Surveying). This course is available each summer (15 days) and must be completed before a student may graduate from the Civil Engineering program.

Third Year Program

CEE 3321A/B, CEE 3322A/B, ~~CEE 3326,~~ CEE 3340A/B, ~~CEE 3341A/B, CEE 3342A/B,~~ CEE 3343A/B, CEE 3344A/B, CEE 3346A/B, CEE 3347A/B, CEE 3348A/B, CEE 3358A/B, CEE 3369A/B, ~~CEE 3384A/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 (2014-15)

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

Fourth Year Program (effective September 2015)

CEE 4441, CEE 4426A/B, CEE 4478A/B, CEE 4491A/B, ES 4498F/G, Business Administration 2299E, three 0.5 technical electives.

Technical electives: ~~Civil and~~ Structural Engineering Option

CEE 4440, CEE 3355A/B, CEE 4418A/B ~~(effective September 2012)~~, CEE 4428A/B, CEE 4429A/B, CEE 4458A/B, ~~CEE 4461A/B,~~ CEE 4465A/B, CEE 4476A/B, CEE 4477A/B, CEE 4480A/B, Earth Sciences 3340A/B, Earth Sciences 4440A/B.

B. ENVIRONMENTAL ENGINEERING OPTION

Second Year Program

Applied Mathematics 2411, CEE 2202A/B, CEE 2217A/B, CEE 2219A/B, CEE 2220A/B, CEE 2221A/B, CEE 2224, ES 2211F/G, Earth Sciences 2281A/B, Statistical Sciences 2141A/B *

* Note: A student may, with the permission of the department counsellor, substitute Statistical Sciences 2143A/B for Statistical Sciences 2141A/B.

Note: CEE 3324A/B (Surveying). This course is available each summer (15 days) and must be completed before a student may graduate from the Civil Engineering program.

Third Year Program

CEE 3321A/B, CEE 3322A/B, ~~CEE 3326,~~ CEE 3347A/B, CEE 3348A/B, CEE 3355A/B, CEE 3361A/B, CEE 3362A/B, CEE 3369A/B, CEE 3386A/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.

Fourth Year Program

CEE 4426A/B, CEE 4441, CEE 4465A/B, CEE 4476A/B, CEE 4478A/B, ES 4498F/G, Business Administration 2299E, three 0.5 technical electives.

Technical electives: Environmental Engineering Option

CEE 4440, CEE 4405A/B, CEE 4418A/B, CEE 4428A/B, CEE 4429A/B, CEE 4458A/B, ~~CEE 4461A/B,~~ CEE 4477A/B, CEE 4479A/B, CEE 4480A/B, CBE 4463A/B, Earth Sciences 4440A/B.

C. CIVIL ENGINEERING AND BUSINESS OPTION

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Fourth Year Program

CEE 3321A/B, CEE 3322A/B, ~~CEE 3326,~~ CEE 3340A/B, ~~CEE 3342A/B,~~ CEE 3343A/B, CEE 3344A/B, CEE 3346A/B, CEE 3347A/B, CEE 3348A/B, CEE 3369A/B, ~~CEE 3384A/B,~~ Statistical Sciences 2141A/B*.

Applied Project Requirement: Business Administration 4569.

*Note: A student may, with the permission of the department counselor, substitute Statistical Sciences 2143A/B for Statistical Sciences 2141A/B.

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D. CIVIL ENGINEERING AND LAW OPTION

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Third Year Program

CEE 3321A/B, CEE 3322A/B, ~~CEE 3326,~~ CEE 3340A/B, ~~CEE 3341A/B, CEE 3342A/B,~~ CEE 3343A/B, CEE 3344A/B, CEE 3346A/B, CEE 3347A/B, CEE 3348A/B, CEE 3358A/B, CEE 3369A/B, ~~CEE 3384A/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.

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F. ENVIRONMENTAL ENGINEERING WITH INTERNATIONAL DEVELOPMENT OPTION

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Third Year Program
CEE 3321A/B, CEE 3322A/B, ~~CEE 3326,~~ CEE 3327A/B, CEE 3328A/B, CEE 3347A/B, CEE 3348A/B, CEE 3355A/B, CEE 3361A/B, CEE 3362A/B, CEE 3369A/B, CBE 4409A/B, Earth Sciences 3340A/B.

Fourth Year Program
Business Administration 2299E, CEE 4441, CEE 3386A/B, CEE 4404A/B, CEE 4426A/B, CEE 4465A/B, CEE 4478A/B, ES 4498F/G, two 0.5 technical electives.

Technical Electives: Environmental Engineering with International Development Option
CEE 4405A/B, CEE 4418A/B, CEE 4427A/B, CEE 4428A/B, CEE 4429A/B, ~~CEE 4461A/B,~~ CEE 4479A/B, CEE 4440, CEE 4480A/B, Geography 2020A/B, Geography 2030A/B, Geography 2040A/B, Centre for Global Studies 2002F/G, Centre for Global Studies 3004A/B.

It is recommended that students register for ES 3390 (Summer Community Development Placement) between their third and fourth years, although this is not a mandatory component of the program.

G. STRUCTURAL ENGINEERING WITH INTERNATIONAL DEVELOPMENT OPTION

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Third-Year Program
CEE 3321A/B, CEE 3322A/B, ~~CEE 3326,~~ CEE 3327A/B, CEE 3328A/B, CEE 3340A/B, ~~CEE 3342A/B,~~ CEE 3343A/B, CEE 3344A/B, CEE 3346A/B, CEE 3347A/B, CEE 3348A/B, CEE 3358A/B, CEE 3369A/B, ~~CEE 3384A/B~~.

Fourth Year Program (2014-15)
Business Administration 2299E, CEE 4441, CEE 4404A/B, CEE 4426A/B, CEE 4478A/B, CEE 4490, ES 4498F/G, two 0.5 technical electives.

Fourth Year Program (effective September 2015)
Business Administration 2299E, CEE 4441, CEE 4404A/B, CEE 4426A/B, CEE 4478A/B, CEE 4491A/B, ES 4498F/G, two 0.5 technical electives.

Technical Electives: Structural Engineering with International Development Option:
CEE 4405A/B, CEE 4418A/B, CEE 4427A/B, CEE 4428A/B, CEE 4429A/B, CEE 4458A/B, ~~CEE 4461A/B,~~ CEE 4476A/B, CEE 4440, CEE 4480A/B, Geography 2020A/B, Geography 2030A/B, Geography 2040A/B, Centre for Global Studies 2002F/G, Centre for Global Studies 3004A/B.

It is recommended that students register for ES 3390 (Summer Community Development Placement) between their third and fourth years, although this is not a mandatory component of the program.

FACULTY OF HEALTH SCIENCES

Effective **September 1, 2016**, the courses included in the pre-2012 Western-Fanshawe Collaborative BScN program curriculum be withdrawn from the offerings of the Arthur Labatt Family School of Nursing.

Nursing 1150A (Introduction to Professional Practice)
Nursing 1151 (Health and Chronic Health Challenges)
Nursing 1152B (Professional Practice 1: Caring for Adults with Chronic Health Challenges)
Nursing 1153 (Self and Others: Self Awareness and Interpersonal Relationships)
Nursing 2251 (Healing and Episodic Health Challenges)
Nursing 2253A (Self and Others: Helping Relationships)

Nursing 2254B (Professional Development I: The Nursing Professional)
Nursing 2255A/B (Adult Episodic Health Challenges)
Nursing 2256Q/R/S/T (Episodic Health Issues for Children)
Nursing 2257Q/R/S/T (Episodic Mental Health Illness)
Nursing 2262A/B (Nursing Practice II: Adult Episodic Health Challenges)
Nursing 2263Q/R/S/T (Nursing Practice II: Child Health)
Nursing 2264Q/R/S/T (Nursing Practice II: Mental Health)
Nursing 3318A/B (Elementary Statistics)
Nursing 3361A/B (Promoting the Health of Communities)
Nursing 3362A/B (Professional Practice in Communities)
Nursing 3371A/B (Promoting the Health of Families)
Nursing 3372A/B (Professional Practice in Families)
Nursing 4412W (Professional Development III: Nurses Influencing Change)
Nursing 4420W (Focused Clinical Concepts)
Nursing 4430Y (Simulated Clinical Practice)
Nursing 4431Y (Applied Professional Practice)

FACULTY OF SCIENCE

COMPUTER SCIENCE

*Effective **September 1, 2013**, Computer Science 2034A/B: Data Analytics: Principles and Tools will be introduced.*

> **Computer Science 2034A/B: Data Analytics: Principles and Tools**
> A comprehensive and interdisciplinary introduction to data analytics using modern computing systems, with equal attention to fundamentals and practical aspects. Topics include sources of data, data formats and transformation, usage of spreadsheets and databases, statistical analysis, pattern recognition, data mining, big data, and methods for data presentation and visualization.
> 2 lecture hours, 2 laboratory/tutorial hours, 0.5 course.

KING'S UNIVERSITY COLLEGE

ECONOMICS

*Effective **September 1, 2014**, Economics 2300A/B will be revised.*

> **Economics 2300A/B - Investment and Financial Markets**
> This course provides an introduction to investment strategies and financial markets with an emphasis on the Canadian Financial System.
> Antirequisite(s): Economics 2121A/B and 3346A/B.
> Prerequisite(s): Economics 1020 or Economics 1021A/B and Economics 1022A/B.
> 3 hours, 0.5 course.
> (King's)

DAP UPDATE: MINOR CHANGES

FACULTY OF ENGINEERING

*Effective **September 1, 2014**, the prerequisites be clarified for ECE 4457A/B.*

Electrical and Computer Engineering 4457A/B - Power Electronics
Course description: No change.
Prerequisite(s): ECE 2233A/B <mark>and</mark> ECE 3333A/B, or MSE 2233A/B and registration in the fourth year of the Mechatronic Systems Engineering program.
 3 lecture hours, 3 laboratory hours, 0.5 course.