

The following proposals, received on DAP between November 1-15, 2013, have been approved.  
For more information on the DAP process, see the Academic Handbook at [www.uwo.ca/univse/handbook](http://www.uwo.ca/univse/handbook).

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## FACULTY OF ARTS AND HUMANITIES

### ENGLISH AND WRITING STUDIES

Effective **September 1, 2014** the prerequisite attached to Writing 1000F/G be revised.

#### Writing 1000F/G – The Writers' Studio

Students are introduced to the creative process of writing through in-class exercises, peer workshop, analysis of creative texts, journaling, essay writing, and a review of writing mechanics. Students learn strategies for idea generation in a variety of genres, composing a first draft, approaching revision, and effective editing and proofreading.

Antirequisite(s): Any Writing course or half course at the 1000, 2100 or 2200 level.

Prerequisite(s): ~~85% or higher in Grade 12U Writer's Craft.~~

3 lecture hours, 0.5 course

### FRENCH STUDIES

Effective **September 1, 2014**, the Certificates and Diplomas modules be modified as follows.

#### CERTIFICAT DE FRANÇAIS DES AFFAIRES (CERTIFICATE IN BUSINESS FRENCH)

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##### Program

5.0 courses:

1.0 course from: French 2905A/B, ~~and 2906A/B~~, 2907A/B (or French 2900).

1.0 course from: French 2205A/B, 2206A/B, 2207A/B, 2208A/B, 2209A/B, or the former French 2200.

1.0 course from: French 3905A/B, 3906A/B, 3907A/B, 3908A/B (or French 3900).

1.0 course from: French 3200, 3201E.

1.0 course from: French 3300, 3306A/B, 3307A/B, 3308A/B.

Note: Students may pursue the Certificate in Business French concurrently with other programs in French. All of the French courses in the Certificate program can count towards other undergraduate programs. Students who have successfully completed the majority of the courses for this Certificate prior to graduation may finish the Certificate post-degree.

The Department of French Studies is also an examination centre for the Paris Chamber of Commerce and Industry Business French exams. Consult the French Studies Department for further details.

#### CERTIFICAT DE FRANÇAIS PRATIQUE

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##### Program

4.0 courses

1.0 course from: French 2905A/B, ~~and 2906A/B~~, 2907A/B (or French 2900), or French 2101.

1.0 course: French 2102A/B, 2104A/B.

1.0 course from: French 3905A/B, 3906A/B, 3907A/B, 3908A/B (or French 3900) or French 2103.

1.0 course in French at 2200 level and above.

Note: At least 3.0 of the 4.0 credit courses must be taken through Western.

#### DIPLÔME DE FRANÇAIS DES AFFAIRES (DIPLOMA IN BUSINESS FRENCH)

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##### Program

5.0 courses:

1.0 course from: French 2905A/B, ~~and 2906A/B~~, 2907A/B (or French 2900).

1.0 course from: French 2205A/B, 2206A/B, 2207A/B, 2208A/B, 2209A/B, or the former French 2200.

1.0 course from: French 3905A/B, 3906A/B, 3907A/B, 3908A/B (or French 3900).

1.0 course from: French 3200, 3201E.

1.0 course from: French 3300, 3306A/B, 3307A/B, 3308A/B.

The Department of French Studies is also an examination center for the Paris Chamber of Commerce and Industry Business French exams. Consult the French Studies Department for further details.

## DIPLÔME DE FRANÇAIS PRATIQUE

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### Program

4.0 courses

1.0 course from: French 2905A/B, and 2906A/B, 2907A/B (or French 2900) or French 2101.

1.0 course: French 2102A/B, 2104A/B

1.0 course from: French 3905A/B, 3906A/B, 3907A/B, 3908A/B (or French 3900) or French 2103.

1.0 course in French at 2200 level and above.

Note: At least 3.0 of the 4.0 credit courses must be taken through Western.

## FACULTY OF ENGINEERING

Effective **September 1, 2014**, revise the *Mechatronic Systems Engineering Curriculum*.

### MECHATRONIC SYSTEMS ENGINEERING

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#### Second Year Program

Applied Mathematics 2415, Computer Science 1037A/B, MSE 2201A/B, MSE 2202A/B, MSE 2233A/B, ECE 2205A/B, ES 2211F/G, MME 2200Q/R/S/T, MME 2202A/B, MME 2204A/B, MME 2213A/B, Statistical Sciences 2143A/B.

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## CHEMICAL AND BIOCHEMICAL

Effective **September 1, 2014**, CBE 3395Y *Chemical Engineering Lab* will be introduced.

### Chemical and Biochemical Engineering 3395Y – Chemical Engineering Lab

This laboratory course applies and integrates concepts/theories presented in the following four courses: CBE 3322A/B, CBE 3323A/B, CBE 3324A/B, and CBE 3325A/B

Prerequisite(s): CBE 2220A/B, CBE 2221A/B.

Corequisite(s): CBE 3322A/B, CBE 3323A/B, CBE 3324A/B, CBE3325A/B

6 laboratory hours, 0.5 course.

Effective **September 1, 2014**, revise CBE 3322A/B *Heat Transfer Operations*.

### Chemical and Biochemical Engineering 3322A/B - Heat Transfer Operations

Introduce chemical engineering students to the basics of heat transfer, including conduction, convection, radiation and phase change. This knowledge will be used for the design of various types of equipment such as heat exchangers with and without phase change agitated reactors, evaporators, condensers.

Prerequisite(s): CBE 2220A/B, CBE 2221A/B or registration in the Integrated Engineering program.

Corequisite(s): CBE 3395Y

3 lecture hours, ~~2 laboratory hours~~, 1 tutorial hours, 0.5 course.

Effective **September 1, 2014**, revise CBE 3323A/B *Staged Operations*.

### Chemical and Biochemical Engineering 3323A/B - Staged Operations

This course will focus on the staged unit operations in chemical engineering. It is designed to familiarize the students with the nature and theory of chemical engineering unit operations, analysis and physical separation

processes based on the ideal stage concept.

Prerequisite(s): CBE 2220A/B, CBE 2221A/B

Corequisite(s): **CBE 3395Y**

3 lecture hours, ~~2 laboratory hours~~, 1 tutorial hour, 0.5 course.

Effective **September 1, 2014**, revise CBE 3324A/B Mass Transfer Operations.

### **Chemical and Biochemical Engineering 3324A/B - Mass Transfer Operations**

This course reviews the fundamentals of interphase mass transfer and transfer units and then reviews the design of differential mass transfer equipment, with special emphasis on absorption, stripping, humidification and drying.

Prerequisite(s): CBE 2221A/B, CBE 2220A/B.

Corequisite(s): **CBE 3395Y**

3 lecture hours, ~~2 laboratory hours~~, 1 tutorial hour, 0.5 course.

Effective **September 1, 2014**, revise CBE 3325A/B Particulate Operations.

### **Chemical and Biochemical Engineering 3325A/B - Particulate Operations**

This course introduces the main unit operations for particulate material. Fundamentals of particulate unit operations, including particulate characterization, particulate dynamics, flow through porous beds, filtration, fluidization, sedimentation, mixing and centrifugation.

Prerequisite(s): CBE 2221A/B

Corequisite(s): **CBE 3395Y**

3 lecture hours, ~~2 laboratory hours~~, 1 tutorial hour, 0.5 course.

Effective **September 1, 2014**, GPE 3322A/B - Heat Transfer Operations with Green Engineering Applications be withdrawn.

Effective **September 1, 2014**, GPE 3325A/B - Particulate Operations with Green Engineering Applications be withdrawn.

Effective **September 1, 2014**, revise the following GPE programs.

#### **GREEN PROCESS ENGINEERING**

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##### **Third-Year Program**

CBE 3310A/B, CBE 3318A/B, **CBE 3322A/B**, CBE 3323A/B, **CBE 3324A/B**, GPE 3315A/B, ~~GPE 3322A/B, GPE 3324A/B, GPE 3325A/B~~, GPE 3382A/B, GPE 3383A/B, GPE 3385A/B, GPE 3395Y, Statistical Sciences 2143A/B.

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#### **GREEN PROCESS ENGINEERING AND BUSINESS OPTION**

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##### **Fourth Year Program**

CBE 3310A/B, CBE 3318A/B, **CBE 3322A/B**, CBE 3323A/B, **CBE 3324A/B**, GPE 3315A/B, ~~GPE 3322A/B, GPE 3325A/B, GPE 3324A/B~~, GPE 3382A/B, GPE 3395Y, ECE 2238A/B, Statistical Sciences 2143A/B.

Applied Project Requirement: Business Administration 4569.

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#### **GREEN PROCESS ENGINEERING WITH LAW OPTION**

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##### **Third-Year Program**

CBE 3310A/B, CBE 3318A/B, **CBE 3322A/B**, CBE 3323A/B, **CBE 3324A/B**, GPE 3315A/B, ~~GPE 3322A/B, GPE 3324A/B, GPE 3325A/B~~, GPE 3382A/B, GPE 3383A/B, GPE 3385A/B, GPE 3395Y, Statistical Sciences 2143A/B.

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**ELECTRICAL AND COMPUTER**

Effective **September 1, 2014**, revise the corequisites for ECE 2205A/B.

**Electrical and Computer Engineering 2205A/B - Electric Circuits I**

Basic resistive circuits, Ohm's, Kirchhoff's Laws. DC analysis: nodal and mesh analysis. Network theorems: linearity, superposition, Thévenin's and Norton's theorems. Time-domain analysis: first and second order circuits, source-free and forced response. Sinusoidal steady-state analysis: phasors, complex power. Basic OpAmp circuitry.

Prerequisite(s): Physics 1402A/B or the former Physics 1026, Applied Mathematics 1411A/B, Applied Mathematics 1413, ES 1036A/B or Computer Science 1026A/B.

Corequisite(s): Applied Mathematics 2415, ~~ECE 2240A/B, ECE 2231A/B~~  
3 lecture hours, 1 tutorial hour, 0.5 course.

Effective **September 1, 2014**, revise the prerequisites for ECE 2236A/B to include Physics 1402A/B.

**Electrical and Computer Engineering 2236A/B - Magnetic Circuits and Transmission Lines**

Three phase circuits, magnetic coupling and circuits, transformers. Transmission lines and the telegrapher equation.

Prerequisite(s): ECE 2205A/B, Applied Mathematics 1413, **Physics 1402B or** the former Physics 1026.

Corequisite(s): Applied Mathematics 2415, ECE 2241A/B.

3 lecture hours, 1 tutorial hour, 0.5 course

Effective **September 1, 2014**, remove ECE 2236A/B as a co-requisite for ECE 2241A/B.

**Electrical and Computer Engineering 2241A/B - Electrical Laboratory II**

Laboratory experiments associated with ECE 2231A/B, ECE 2233A/B and ECE 2236A/B; basic semiconductor circuit elements (diodes, LEDs and transistors); second order circuits; sensors and electro-mechanical devices; and a design project.

Prerequisite(s): ECE 2240A/B

Corequisite(s): ECE 2231A/B, ECE 2233A/B, ~~ECE 2236A/B~~

1 lecture hour, 3 laboratory hours, 1 tutorial hour, 0.5 course.

**MECHANICAL AND MATERIALS**

Effective **September 1, 2014**, revise MME 2200Q/R/S/T.

**MME 2200Q/R/S/T Engineering Shop Safety Training**

This course will provide mechanical engineering undergraduate students with ~~uniform~~ **consistent and appropriate** training in the safe use of Engineering student shops.

Prerequisite(s): Entry into Year 2 of the Mechanical **or Mechatronic Systems** Engineering program.

Non-credit course.

Effective **September 1, 2014**, revise MME 3380A/B prerequisites.

**MME 3380A/B Mechanical Components Design**

The objective of this course is to consider the stress analysis and design of various components of a machine, e.g. an automobile.

Prerequisite(s): **MME 2200Q/R/S/T**, MME 2202A/B, MME 3381A/B.

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

Effective **September 1, 2014**, revise MME 2259A/B.

**MME 2259A/B – Product Design and Development**

Introduction to the engineering design and structured design methods. Topics include: mechanical design process; concept generation and evaluation; embodiment design; design for manufacture and assembly; design for product safety; principles of life-cycle engineering.

Prerequisite(s): ES 1021A/B, ES 1022A/B/Y, ES 1050.  
3 lecture hours, 3 tutorial **laboratory** hours, 0.5 course.

Effective **September 1, 2014**, revise calendar copy for MME 3381A/B.

### **Mechanical and Materials Engineering 3381A/B – Kinematics and Dynamics of Machines**

Displacement, velocity and acceleration analysis of linkage mechanisms; inertia force analysis of mechanisms; balancing of reciprocating and rotating masses; introduction to vibration analysis of ~~single and multi-degree-of~~ **single-degree-of**-freedom systems.

Prerequisite(s): MME 2213A/B, Applied Mathematics 2413 or Applied Mathematics 2415.  
3 lecture hours, 2 tutorial hours, 0.5 laboratory hour, 0.5 course.

Effective **September 1, 2014**, change the name of the course, update the calendar copy and revise the prerequisites for MME 4459A/B.

### **Mechanical and Materials Engineering 4459A/B – Computer Numerically Controlled (CNC) Machining Advanced CAE: Manufacturing Technologies**

Principle of CNC part programming; tooling and work-holding devices; machine tool position and motion control systems; automatic tool changers and machining centres; kinematics and mechanics of milling operations; part programming using CAD/CAM systems.

**This course is an introduction to modern computer aided manufacturing technologies. Topics include subtractive technologies, such as computer-numerically controlled (CNC) machining, as well as additive technologies used for rapid prototyping purposes.**

Prerequisite(s): MME 3381A/B **MME 3379A/B or MSE 3301A/B**  
2 lecture hours, 2 laboratory/tutorial hours, 0.5 course.

Effective **September 1, 2014**, revise the prerequisites for MME 4464A/B.

### **Mechanical and Materials Engineering 4464A/B – Biomechanics of Human Joint Motion**

Apply engineering concepts to human joint motion; especially the gait cycle. Examine various motion measurement methods, including practical applications and associated errors. Calculate external joint loads and understand inertial effects. Study the architecture and function of skeletal muscle; concepts of energy, work and power applied to joint motion.

Prerequisite(s): Applied Mathematics 3413A/B **or Applied Mathematics 3415A/B**, MME 3380A/B, **ECE 2274A/B (or the former ECE 3373A/B) or MSE 2233A/B**.  
3 lecture hours, 2 tutorial hours, 0.5 course.

Effective **September 1, 2014**, change the name of the course, update the calendar copy and revise the prerequisites for MME 4480A/B.

### **Mechanical and Materials Engineering 4480A/B – Computer Aided Design **Advanced CAE: Reverse Engineering****

~~This course is an introduction to computer-aided design (CAD) technologies and their basic underlying mathematical principles. Topics include geometric modeling schemes, parametric representation of curves and surfaces, computer-aided design analysis, data exchange standards, rapid prototyping, and viewing and object transformations.~~

**This course is an introduction to the use of modern computer-aided design (CAD) techniques in generation of 3D digital models from physical objects. Topics include contact and non-contact data acquisition techniques, data type and exchange formats, and advanced visualization and surfacing techniques.**

Prerequisite(s): ES 1036A/B and successful completion of 3rd year of the Mechanical Engineering program or permission of the Department **MME 2259A/B or MSE 2202A/B**  
3 lecture hours, 2 laboratory hour, 0.5 course.

Effective **September 1, 2014**, include the Mechatronic Systems Engineering program among the prerequisites for MME 4482A/B.

**Mechanical and Materials Engineering 4482A/B – Fundamentals of MEMS**

The objective of the course is to cover the fundamental basis of MEMS (Microelectromechanical Systems) including design, analysis, modelling, fabrication, testing and reliability concerns.

Prerequisite(s): Completion of third year of the Mechanical, Integrated, **Mechatronic Systems**, Electrical or Computer Engineering **(Option A)** program.

3 lecture hours, 2 tutorial/laboratory hours per week, 0.5 course.

*Effective **September 1, 2014**, revise MME 4487A/B prerequisites.*

**Mechanical and Materials Engineering 4487A/B – Mechatronic System Design**

An overview of electrical, mechanical, optical and control technologies for system integration. Topics include: intelligent products and processes; design methodology; system modeling; sensors and actuators; microcontrollers; knowledge-based control.

Prerequisite(s): **MME 2213A/B or MME 2234A/B, and (ECE 2274A/B and ECE 3374A/B), or (ECE 2233A/B and ECE 2277A/B), or (ECE 2238A/B and ECE 2277A/B)** ~~ECE 3373A/B, ECE 3374A/B, MME 3380A/B, or ECE 2277A/B or the former 3339A/B, ECE 3330A/B, ECE 3375A/B or completion of third year of the Integrated Engineering program.~~

2 lecture hours, 3 laboratory hours, 0.5 course.

**FACULTY OF HEALTH SCIENCES****SCHOOL OF NURSING**

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

**Nursing 1120** - Foundations of Professional Nursing

**Nursing 1130** - Health Promotion & Caring for Self, Colleagues & Clients

**Nursing 1140** - Holistic Health Assessment

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

**Nursing 1060A/B: Foundational Concepts of Professional Nursing I**

This course provides an introduction to the philosophical, theoretical and ethical tenets of the nursing profession. The historical development of the profession, image of nursing, roles of nurses in the interprofessional team, and the framework for Registered Nursing practice in Ontario are explored.

Antirequisite: Nursing 1120, with a grade of 65% or greater

Prerequisite(s): Registration in year 1 of the Western-Fanshawe Collaborative BScN Program.

3 lecture hours, 0.5 credit course

**Nursing 1160A/B: Foundational Concepts of Professional Nursing II**

Building on part I, this course enables students to begin to develop the thinking processes and clinical judgment required for professional nursing practice from a strengths-based perspective. Students will begin to develop their personal philosophy of nursing practice.

Antirequisite: Nursing 1120, with a grade of 65% or greater

Prerequisite(s): Nursing 1060A/B, with a grade of 65% or greater

3 lecture hours, 0.5 credit course

**Nursing 1070A/B: Health Promotion and Caring for Self, Colleagues and Clients I**

This interactive course enables the student to develop an understanding of caring and relational practice as the basis for health promotion in nursing. Nurses' responsibility for health promotion of self, colleagues, and clients is addressed in a variety of contexts.

Antirequisite: Nursing 1130, with a grade of 65% or greater

Prerequisite(s): Registration in year 1 of the Western-Fanshawe Collaborative BScN Program

3 lecture hours, 0.5 credit course

**Nursing 1170A/B: Health Promotion and Caring for Self, Colleagues and Clients II**

This interactive course building upon Health Promotion and Caring for Self, Colleagues and Clients I, enables the student to continue to further develop an understanding of caring and relational practice as the basis for health promotion in nursing. Using a variety of theories, concepts and conceptual frameworks, the student will acquire an enhanced perspective of how individual values, beliefs, perceptions and experiences impact relationships with our selves, colleagues and clients.

Antirequisite: Nursing 1130, with a grade of 65% or greater

Prerequisite(s): Nursing 1070A/B, with a grade of 65% or greater

3 lecture hours, 0.5 credit course

**Nursing 1080A/B: Holistic Health Assessment I**

Provides opportunities for students to learn about the contextual influences of the determinants of health, family and community on one's health. The relevance of an individual's life experiences and stage of growth and development on health achievement will be explored across the lifespan. Health assessments will be conducted holistically with consideration of physical, psychosocial, cultural, and spiritual dimensions to well-being.

Antirequisite: Nursing 1140, with a grade of 65% or greater

Prerequisite(s): Registration in year 1 of the Western-Fanshawe Collaborative BScN program.

2 lecture hours, 2 lab/seminar hours, 1 tutorial hour

Western Campus only, 0.5 credit course

**Nursing 1180A/B: Holistic Health Assessment II**

This course involves the application of previous learning to the holistic assessment of individuals focusing on concepts that support health across the lifespan. These include, but are not limited to areas such as oxygenation, circulation, mobility, elimination, cognition and perception, with a focus on how to recognize and interpret data collected from clients

Antirequisite: Nursing 1140, with a grade of 65% or greater

Prerequisite(s): Nursing 1080A/B, with a grade of 65% or greater

2 lecture hours, 2 lab/seminar hours, 1 tutorial hour

Western Campus only, 0.5 credit course

*Effective **September 1, 2014**, the following revisions be made to the Western-Fanshawe Collaborative degree program.*

**WESTERN-FANSHAWE COLLABORATIVE NURSING PROGRAM – for students who entered the program  
September 2012**

**Program**

The Western-Fanshawe Collaborative Program offers a 4 year BScN program that qualifies graduates to apply to write the Canadian Registered Nurse Examination and subsequently register as a professional nurse with the College of Nurses of Ontario. The program is offered collaboratively by Western and Fanshawe College of Applied Arts and Technology. The first two years of the program are offered at both institutions. All students complete years 3 and 4 at the Western site. Program requirements are the same at both sites.

**First Year**

Nursing ~~4120, 4130, 4140~~ **1060A, 1160B, 1070A, 1170B, 1080A, 1180B**

Health Sciences 2330A/B

Physiology 1020

Writing 1030F

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Effective **September 1, 2014**, the prerequisites for Biochemistry 2288A be revised.

### **Biochemistry 2288A – Biochemistry and Molecular Biology for Foods and Nutrition.**

An introduction to biochemistry with emphasis on protein structure and function, intermediary metabolism and nucleic acid structure and function.

Antirequisite(s): Biochemistry 2280A.

Prerequisite(s): **Chemistry 1301A/B and 1302A/B, or the former** Chemistry 1100A/B and 1200B or ~~one of the former Chemistry 4020, 1050 or 4023~~; Biology 1290B; and registration in senior years of Foods and Nutrition modules.

3 lecture hours, 0.5 course.

Note: It is strongly recommended that a course in organic chemistry be taken previously or concurrently (e.g. Chemistry 2213A/B or 2273A).

Effective **September 1, 2014**, Biochemistry 4460Y – Bioinformatics Research Project will be withdrawn by the Department of Biochemistry in the Schulich School of Medicine & Dentistry.

Effective **September 1, 2014**, the Minor in Biochemistry will be revised.

### **MINOR IN BIOCHEMISTRY**

A degree containing this module normally requires 4 years for completion.

#### **Admission Requirements**

Completion of first-year requirements, including the following courses:

1.0 course: Biology 1001A and 1002B each with a minimum mark of 60%, or a minimum mark of 60% in the former Biology 1222 or 1223.

1.0 course: ~~Chemistry 1100A/B and 1200B~~ **Chemistry 1301A/B and 1302A/B** with a minimum mark of 60% in each, or ~~a minimum mark of 60% in the former Chemistry 4020, 1100A/B and 1200B or 1050,~~ **with a minimum mark of 60% in each.**

1.0 course from: **Applied Mathematics 1201A/B,** Calculus 1000A/B or ~~1100A/B or 1500A/B,~~ Calculus 1301A/B or 1501A/B, Mathematics ~~1600A/B or the former Linear Algebra 1600A/B,~~ Mathematics 1225A/B, 1228A/B, 1229A/B, **1600A/B,** Statistical Sciences 1024A/B, Applied Mathematics ~~1201A/B or the former Calculus 1201A/B,~~ Applied Mathematics 1413, **or the former Calculus 1100A/B, 1201A/B, Linear Algebra 1600A/B.**

Note:

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

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### **MEDICAL BIOPHYSICS**

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

#### **Medical Biophysics 3330F/G – Human Biomechanics with Biomedical Applications**

The mechanical properties of biological structures and fluids in relation to function: deformability, strength, and visco-elasticity of hard and soft tissues, modes of loading and failure. Special topics include mechanics of synovial joints, mechanics of hearing, and mechanics of orthopedic implants and joint replacement.

Prerequisite(s): One of Calculus 1000A/B, **1500A/B,** Mathematics 1225A/B, Applied Mathematics 1413, or the former Calculus 1100A/B; one of Physics 1028A/B, 1301A/B, 1401A/B or 1501A/B, and one of Physics 1029A/B, 1302A/B, 1402A/B or 1502A/B, or one of the former Physics 1020, 1024 or 1026. Typically taken in third year, this course is also open to second-year students with an overall average of at least 70% in first year.

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

#### **Medical Biophysics 3336F/G – Human & Animal Interactions with the Physical Environment**

Examination of the physical processes in the environment that affect life, and physical processes in animals and man that enable them to survive. Topics include pressure, temperature, light, gravity, sound, ionizing and nonionizing radiation. Special topics: heat exchange, vision and hearing, altitude and diving, the space environment, and radiation tolerance.



Prerequisite(s): One of Biology 1001A or 1201A and one of Biology 1002B or 1202B, or the former Biology 1222 or 1223; one of Physics 1028A/B, 1301A/B, 1401A/B or 1501A/B, and one of Physics 1029A/B, 1302A/B, 1402A/B or 1502A/B, or one of the former Physics 1020, 1024 or 1026. Typically taken in third year, this course is also open to second-year students with an overall average of at least 70% in first year.

Pre- or Corequisite(s): Calculus 1000A/B, 1500A/B or the former 1100A/B plus one of Calculus 1301A/B or 1501A/B, or Applied Mathematics 1413.

2 lecture hours, 1 tutorial hour, 0.5 course.

### **Medical Biophysics 3501F – Biophysics of Transport Systems**

The physics of blood flow and vascular mechanics in the microcirculation and large vessels, surface energy and interactions at biological interfaces such as the lung, diffusive and convective transport and exchange.

Antirequisite(s): The former Medical Biophysics 3302E.

Prerequisite(s): One of Calculus 1000A/B, 4400A/B, 1500A/B, Mathematics 1225A/B, Applied Mathematics 1413, or the former Calculus 1100A/B; one of Physics 1028A/B, 1301A/B, 1401A/B or 1501A/B, and one of Physics 1029A/B, 1302A/B, 1402A/B or 1502A/B, or one of the former Physics 1020, 1024 or 1026. Typically taken in third year, this course is also open to second-year students with an overall average of at least 70% in first year.

2 lecture hours, 1 tutorial hour, 0.5 course.

### **Medical Biophysics 3503G – Fundamentals of Digital Imaging**

Concepts of images relevant to all imaging modalities. Image formation and capture including digital cameras and the eye, pixels, aliasing, resolution, contrast, sensitivity, specificity, ROC, window/level, dynamic range, RGB, spectroscopy. Image compression and quality, quantitative analysis based on imaging software and principles of quantitative stereology.

Prerequisite(s): Calculus 1000A/B, or 4400A/B, 1500A/B or the former 1100A/B plus one of Calculus 1301A/B or 1501A/B, or Applied Mathematics 1413; one of Physics 1028A/B, 1301A/B, 1401A/B or 1501A/B, and one of Physics 1029A/B, 1302A/B, 1402A/B or 1502A/B, or one of the former Physics 1020, 1024 or 1026. Typically taken in third year, this course is also open to second-year students with an average of at least 70% in first year.

2 lecture hours, 1 tutorial hour, 0.5 course.

### **Medical Biophysics 3505F – Mathematical Transform Applications in Medical Biophysics**

The role of mathematical transforms in biomedical research. Application of Fourier Transforms for imaging and image analysis. Applications of systems analysis and Laplace Transforms to model complex systems, and of linear time-invariant systems and kinetic models to analyze physiological processes.

Antirequisite(s): The former Medical Biophysics 3303E.

Prerequisite(s): One of Calculus 1000A/B, or 4400A/B, 1500A/B or the former 1100A/B plus one of Calculus 1301A/B or 1501A/B, or Applied Mathematics 1413; one of Physics 1028A/B, 1301A/B, 1401A/B or 1501A/B, and one of Physics 1029A/B, 1302A/B, 1402A/B or 1502A/B, or one of the former Physics 1020, 1024 or 1026. Although typically taken in third year, this course is available to second-year students with an overall average of at least 70% in first year.

2 lecture hours, 2 laboratory/tutorial hours, 0.5 course.

### **Medical Biophysics 3507G – Analysis of Oxygen Transport in Biological Systems**

The application of physics and mathematics for modeling oxygen transport. Emphasis on problem solving and simple MATLAB computer models for enhancing the students' interpretation of analytical solutions. Topics include the Krogh-Erlang capillary model, microvascular blood flow, oxygen diffusion in thin tissues and tumors, and finite difference models in unsteady-state systems.

Antirequisite(s): The former Medical Biophysics 3303E.

Prerequisite(s): One of Calculus 1000A/B, or 4400A/B, 1500A/B or the former 1100A/B plus one of Calculus 1301A/B or 1501A/B, or Applied Mathematics 1413; one of Physics 1028A/B, 1301A/B, 1401A/B or 1501A/B, and one of Physics 1029A/B, 1302A/B, 1402A/B or 1502A/B, or one of the former Physics 1020, 1024 or 1026. Although typically taken in third year, this course is available to second-year students with an overall average of at least 70% in first year.

2 lecture hours, 2 laboratory/tutorial hours, 0.5 course.

Effective **September 1, 2014**, *Medical Biophysics 4970E – Research Project in Biophysics* will be revised.

### **Medical Biophysics 4970E – Research Project in Biophysics**

Major laboratory course in experimental biophysics for students registered in an Honors Specialization Medical Biophysics (Medical Science or Physical Science Concentration). The three components are: a major experimental project (topic and advisor chosen in consultation with the student), scientific communication (student presentation and reports), and electronic information processing (data capture, computer analysis of biophysical signals).

Antirequisite(s): Medical Biophysics 4971E.

Prerequisite(s): Medical Biophysics 3970Z and registration in Year 4 of either an Honors Specialization in **one of the following Honors Specialization modules:** Medical Biophysics (Medical Science Concentration), or an Medical Biophysics (Physical Science Concentration), **or Medical Biophysics (Biological Science Concentration).** 15 hours weekly on average, 1.5 course.

## **KING'S UNIVERSITY COLLEGE**

### **DISABILITY STUDIES**

Effective **September 1, 2014**, the following courses be introduced at King's University College.

#### **Disability Studies 1010A/B: Exploring Disability**

Explores provocative ethical and practical Disability Studies topics using a Liberal Arts framework. Students actively engage both sides of cases with legal, medical, and recreational significance. Examines how disability, mental health and neuro-diversity intersect with modern culture and social institutions.

Antirequisite: The former Interdisciplinary Studies 1010A/B.

3 lecture hours, 0.5 course

(King's)

#### **Disability Studies 2201A/B: Rethinking Disability**

Disability Studies challenges the historical, medical and mainstream views of disability and mental illness as personal tragedies or solely problems to be fixed. We explore diverse approaches to imagining disability, changes over time, and associated symbolic and material outcomes.

Antirequisite: The former Interdisciplinary Studies 2246.

Prerequisite(s): Disability Studies 1010A/B or the former Interdisciplinary Studies 1010A/B.

3 lecture hours, 0.5 course.

(King's)

#### **Disability Studies 2202A/B: Understanding Disability Labels**

Learn how common disability and neuro-diversity conditions are defined and resourced. Understand the complex nature and tacit assumptions of diagnostic contexts and care systems, past and present. Consider both the empowering and constraining bio-political implications of medical labelling for individuals and groups.

Prerequisite(s): Disability Studies 1010A/B or the former Interdisciplinary Studies 1010A/B.

3 hours, 0.5 course.

(King's)

#### **Disability Studies 2210A/B: Education and Disability Studies**

Learn about current and past frameworks for exceptional learners in education. Examine common systemic tensions between: macro-social policies and individualized learning plans, inclusion and specialized supports, universal design and quality, and how families navigate accessibility and relationships amidst limited resources and neoliberalism.

Prerequisite(s): Disability Studies 1010A/B or the former Interdisciplinary Studies 1010A/B.

3 hours, 0.5 course.

(King's)

**Disability Studies 2211A/B: Disability Art, Sport and Leisure**

Explore the dynamic, constructive forums that people with disability are involved in across arts, sports and leisure. These areas are crucial spheres of self-expression, sociability, integration and contribution. Examine cases and research ranging from the Paralympics to fine arts.

Prerequisite(s): Disability Studies 1010A/B or the former Interdisciplinary Studies 1010A/B.

3 hours, 0.5 course.

(King's)

**Disability Studies 2216A/B: Disability, Media and Madness**

Examine cultural contexts and attitudes that produce diverse, evolving representations of disability and normalcy in private reflections and public media (news, policies, memoirs, arts, social media) by care professionals, law, state, church and family. Students critique existing media representations and work on constructive alternatives.

Antirequisite: The former Interdisciplinary Studies 3316F/G.

Prerequisite(s): Disability Studies 1010A/B or the former Interdisciplinary Studies 1010A/B.

3 lecture hours, 0.5 course.

(King's)

**Disability Studies 2290A/B - 2296A/B: Special Topics in Disability Studies**

Topic and course description will be available at time of registration.

Prerequisite(s): Disability Studies 1010A/B or the former Interdisciplinary Studies 1010A/B.

3 hours, 0.5 course.

(King's)

**Disability Studies 3310F/G: Bioethical Controversies**

Learn how disability and neuro-diversity inform and challenge key philosophical and bioethical questions around: personhood, citizenship and rights, the good life and who deserves to live (neo-eugenics, euthanasia), inter-dependency, ethics of care, fragility, and roles the state plays in disabling citizens.

Prerequisite(s): Disability Studies 2201A/B or the former Interdisciplinary Studies 2246.

3 hours, 0.5 course.

(King's)

**Disability Studies 3311F/G: Changing Contexts and Practices**

Introduces students to key innovations in leadership, rights, laws, policy and practices in the human services and modern disability sector. Research and cases highlight the tensions and possibilities between conceptual ideals and the constraints of practice.

Prerequisite(s): Disability Studies 2201A/B or the former Interdisciplinary Studies 2246.

3 hours, 0.5 course.

(King's)

**Disability Studies 3320F/G: Narratives of Disability and Care**

Explore the significance and influence of disability and mental health on family and care relationships over the life course. The course combines a Disability Studies lens with narrative, care and kinship concepts. Through written stories, we examine mutuality, discontinuity and creativity in relationships.

Antirequisite: The former Interdisciplinary Studies 3320F/G.

Prerequisite(s): Disability Studies 2201A/B or the former Interdisciplinary Studies 2246.

3 lecture hours, 0.5 course.

(King's)

**INTERDISCIPLINARY STUDIES**

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

**Interdisciplinary Studies 1010A/B:** Exploring Disability

**Interdisciplinary Studies 2246:** Rethinking Disability

**Interdisciplinary Studies 3316F/G** - Imagined Monsters: Representations of Disability and Madness  
**Interdisciplinary Studies 3320F/G**: Narratives of Disability, Kinship and Care

Effective **September 1, 2014**, *Interdisciplinary Studies 2240F/G* will be revised at King's University College.

**Interdisciplinary Studies 2240F/G - ~~Experiential Learning: Power and Reflexivity~~ Social Network of Power and Privilege**

This course will prepare students to be aware of power relations and ethical complexities in experiential learning or practicum settings, and to be reflexive and humble about their own positions, motives and potential influence. Pre or Corequisite(s): **the former** Social Justice and Peace Studies 2200E, **Social Justice and Peace Studies 1026F/G**, and 2201F/G/Z for Social Justice and Peace Studies students in Honors Specialization, Specialization or Major modules, or registration in one of the following: Honors Specialization or Major in Childhood and Social Institutions, Minor in Thanatology, ~~Honors Specialization or Major in Media and Public Interest~~, or permission of the department.

3.0 hours, 0.5 course  
 (King's)

## HISTORY

Effective **September 1, 2014**, *History 2650E*, *3802F/G*, *4706E* be introduced at King's University College.

**History 2650E – Peppers, Pirates and Priests: East Asia in World History Before 1800**

(Short title: Peppers, Pirates and Priests)

Explores cultural, social, religious and economic interactions both within East Asia and between East Asia and the rest of the world before the age of European dominance.

Anti-requisites: History 2691E "Pepper, Pirates and Priests: Trade and Exchange between East Asia and the World" (2013-14).

2 lecture hours, 1 tutorial hour; 1.0 course.  
 (King's)

**History 3802F/G – Catholic Social Thought: Historical and Contemporary Perspectives**

(Short title: Catholic Social Thought)

This course explores the origins of, and developments in, modern Catholic social thought from the nineteenth century to the present. Using a chronological and thematic framework, the course pivots between historical and contemporary dimensions of Catholic thought, teaching and practice. It examines how historical thinking can contribute to ethical decision-making.

Prerequisites: 1.0 senior History course(s) at the 2100 level or above; or permission of the Department.

3 seminar hours; 0.5 course.  
 (King's)

**History 4706E – Fascism, Nazism and Stalinism Compared**

This course is a comparative history of Italian Fascism, Nazism and Stalinism. Topics include Marxism and fascism as ideologies, the cultural and social roots of communist and fascist movements, the seizure of power, church-state relations, racial bio-politics, war and political violence, ethnic cleansing, resistance, and authoritarian legacies.

Anti-requisite: the former History 4413E

Prerequisite(s): 2.0 senior history courses at the 2200-level or above, or permission of the Department.

3 seminar hours, 1.0 course.  
 (King's)

## SOCIAL JUSTICE AND PEACE STUDIES

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

**Social Justice and Peace Studies 1020E**: Introduction to Social Justice and Peace Studies

**Social Justice and Peace Studies 2200E**: Perspectives on Social Justice and Peace

**Social Justice and Peace Studies 3311F/G:** Advanced Qualitative Research

**Social Justice and Peace Studies 4400E:** Critical Methodology in Social Justice and Peace

*Effective **September 1, 2014**, the following courses will be introduced.*

**Social Justice and Peace Studies 1025F/G: Introduction to Social Justice and Peace Studies**

An interdisciplinary introduction to theories and strategies for pursuing social justice and peace. The course confronts the ethical implications of the structure and ideology of globalization under capitalism, the military industrial complex, war, corporate power, inequality, poverty, labour conflict, indigenous rights, gender issues, diversity, and environmental degradation, among other issues.

Antirequisite: the former Social Justice and Peace Studies 1020E

3 hours, 0.5 course

(King's)

**Social Justice and Peace Studies 1026F/G: Approaches to Social Justice and Peace Studies**

This course provides a comprehensive survey of theoretical approaches to social justice and peace. It examines contemporary theories of justice, such as utilitarian, libertarian, distributive, procedural, religious and feminist. It examines contemporary theories of peace such as conflict resolution, pacifism, non-violence, war and humanitarian intervention.

Antirequisite: the former Social Justice and Peace Studies 2200E

Prerequisite: Social Justice and Peace Studies 1025F/G, or the former Social Justice and Peace Studies 1020E.

3 hours, 0.5 course

(King's)

**Social Justice and Peace Studies 3360F/G: Islam, Justice and Peace**

By exploring the religious foundations of justice and peace in Islam's theology, Sufism, and law, this course examines Muslims' conceptualizations and (successful or failed) expressions of justice and peace in historical and modern contexts. Of particular interest will be contemporary issues of social, gender, racial, and environmental justice.

Prerequisite: Social Justice and Peace Studies 2201F/G/Z or 1.0 essay course at the 2000-level.

3 hours, 0.5 course

(King's)

**Social Justice and Peace Studies 3361F/G: Ethics of War and Peace**

This course examines various ethical approaches to war and peace. Topics include the just war tradition, preventative war, humanitarian intervention, the Responsibility to Protect doctrine, terrorism, freedom fighting, pacifism, active non-violence, just peacemaking, and international conflict resolution.

Prerequisite(s): Social Justice and Peace Studies 2201F/G/Z, or 1.0 essay course at the 2000-level.

3 hours, 0.5 course

(King's)

**Social Justice and Peace Studies 4403E: Senior Thesis in Social Justice and Peace Studies**

This seminar provides students with a structured environment to work individually on an integrative research project that relates to their own academic interests and/or professional development within the field of social justice and peace studies.

Prerequisite(s): the former Social Justice and Peace Studies 3311F/G, or 4th year enrolment in Social Justice and Peace Studies, or permission of the Program Coordinator.

3 hours, 1.0 course

(King's)

*Effective **September 1, 2014**, the Social Justice and Peace Studies Approved List will be revised.*

**SOCIAL JUSTICE AND PEACE STUDIES**

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### Approved List of Courses

The following courses may be taken to complete requirements for the Social Justice and Peace Studies modules. Students may request permission to substitute other courses not on this list. These requests will be considered on a case by case basis. Students are advised to consult the Program Coordinator when planning their program.

#### Level One Courses:

Economics 2111F/G, 2112F/G, 2124A/B, 2125A/B, 2161F/G, 2171F/G; Geography 2020A/B, 2030A/B, 2142A/B, 2411F/G; History 2125F/G, 2127F/G, 2606E; Philosophy 2053, 2067E, 2072F/G, 2074F/G, 2080, 2081E; Psychology 2012F/G, 2031A/B, 2075; Religious Studies 2444A/B, 2132, 2166A/B, 2175A/B, the former 2440, 2167F/G; Social Justice and Peace Studies 2190, 2195A/B-2199A/B; Sociology 2140, 2143E, 2169, 2172A/B.

#### Level Two Courses:

Canadian Studies 2200E; CGS 2002F/G, 3508F/G, 3512F/G; English 2017, 2730F/G, 2735F/G; First Nations Studies 2203F/G, 2218F/G, 2601F/G; History 2201E, 2301E, 2501E, 2803E, 2703F/G; Philosophy 2700F/G, 2812F/G, 2820F/G; Political Science 2102A/B, 2219E, 2222E, 2230E, 2231E, 2235E, 2243E, 2244E, 2245E, 2257, 2265F/G, 2266F/G, 2270E; Religious Studies 2203F/G, 2204F/G, 2213F/G, 2234F/G, 2235F/G, 2251F/G, 2252F/G, 2281F/G, the former 2224F/G, 2230E, 2243F/G; Social Justice and Peace Studies 2270A/B-2279A/B; Social Work 2280E, 2284; Sociology 2212A/B, 2220A/B, 2221A/B, 2233, 2239, 2240E, 2241E, 2245, 2256A/B, 2260A/B, 2264F/G, 2266A/B, 2267A/B.

#### Level Three Courses:

Geography 3441F/G, 3442F/G, 3445F/G; History 3205E, 3815E, 4805E; Political Science 3300E, 3309E, 3325E, 3345E, 3362E, 3365F/G, 4423F/G, 4424F/G, 4444E; Psychology 3771F/G; Religious Studies 3451F/G; Social Justice and Peace Studies 3360F/G, 3361F/G, 3370A/B-3376A/B, 3377F/G-3378F/G, 3396F/G-3399F/G, 4401F/G, 4402F/G, 4403E, 4496F/G-4499F/G; Sociology 3304F/G, 3305F/G, 3339F/G, 3340F/G, 3341F/G, 3347F/G, 3353F/G, 3354F/G, 3360F/G.

Effective **September 1, 2014**, the following Social Justice and Peace Studies modules will be revised.

### HONORS SPECIALIZATION IN SOCIAL JUSTICE AND PEACE STUDIES

Enrollment in this module is limited. Meeting the minimum requirements does not guarantee that students wishing to transfer into this module will be offered enrollment.

#### Admission Requirements

Completion of first-year requirements with no failures. Students must have an average of at least 70% in the following 3.0 principal courses, with no mark in these principal courses below 60%:

~~1.0 course: Social Justice and Peace Studies 1020E.~~

0.5 course: Social Justice and Peace Studies 1025F/G, or the former Social Justice and Peace Studies 1020E.

0.5 course: Social Justice and Peace Studies 1026F/G, or the former Social Justice and Peace Studies 2200E.

1.0 course from: Childhood and Social Institutions 1025F/G, the former 1020; Economics 1021A/B, 1022A/B, 1020; First Nations Studies 1020E; Geography 1100, 1500F/G, 1400F/G; History 1401E, 1403E, 1601E, 1801E, 1901E; ~~Management and Organizational Studies 1020A/B; Media, Information and Technoculture 1200F/G and 1700F/G;~~ Philosophy 1150E, 1300E, ~~1305F/G,~~ 1360E, 1901E; Political Science 1020E; Psychology 1000; Religious Studies 1022A/B, 1023E, 1027E; ~~or the former Religious Studies 021E;~~ Social Work 1021A/B, 1022A/B, the former 1020; Sociology 1020, 1021E; or Women's Studies 1020E.

1.0 additional course.

#### Module

9.0 courses:

~~4.0 courses: Interdisciplinary Studies 2240F/G, 2252F/G, the former 3310F/G; Social Justice and Peace Studies 2200E, 2201F/G/Z, 3311F/G, 4401F/G, Social Justice and Peace Studies 4402F/G.~~

1.5 courses: Interdisciplinary Studies 2240F/G, 2252F/G, Social Justice and Peace Studies 2201F/G/Z.

1.0 course(s) from: Social Justice and Peace Studies 2190, 2195A/B-2199A/B, 2270A/B-2279A/B.

1.0 course(s) from: History 3802F/G, Religious Studies 3451F/G, Social Justice and Peace Studies 3360F/G, 3361F/G.

1.0 course(s) from: Social Justice and Peace Studies 4401F/G, 4402F/G, 4403E.

1.5 courses from the Approved List Level One, Two or Three.

1.5 courses from the Approved List Level Two or Three.

~~2.0~~ 1.5 courses from the Approved List Level Three.

## MAJOR IN SOCIAL JUSTICE AND PEACE STUDIES

### Admission Requirements

Completion of first-year requirements, including the following 2.0 courses with a mark of at least 60%:

~~1.0 course: Social Justice and Peace Studies 1020E.~~

0.5 course: Social Justice and Peace Studies 1025F/G, or the former Social Justice and Peace Studies 1020E.

0.5 course: Social Justice and Peace Studies 1026F/G, or the former Social Justice and Peace Studies 2200E.

1.0 course from: Childhood and Social Institutions 1025F/G, the former 1020; Economics 1021A/B, 1022A/B, 1020; First Nations Studies 1020E; Geography 1100, 1500F/G, 1400F/G; History 1401E, 1403E, 1601E, 1801E, 1901E; Management and Organizational Studies 1020A/B; Media, Information and Technoculture 1200F/G and 1700F/G; Philosophy 1150E, 1300E, 1305F/G, 1360E, 1901E; Political Science 1020E; Psychology 1000; Religious Studies 1022A/B, 1023E, 1027E; or the former Religious Studies 021E; Social Work 1021A/B, 1022A/B, the former 1020; Sociology 1020, 1021E; or Women's Studies 1020E.

### Module

6.0 courses:

~~4.0 courses: Interdisciplinary Studies 2240F/G, 2252F/G, the former 3310F/G; Social Justice and Peace Studies 2200E, 2201F/G/Z, 3311F/G, 4401F/G, Social Justice and Peace Studies 4402F/G.~~

1.5 courses from: Interdisciplinary Studies 2240F/G, 2252F/G, Social Justice and Peace Studies 2201F/G/Z.

1.0 course(s) from: Social Justice and Peace Studies 2190, 2195A/B-2199A/B, 2270A/B-2279A/B.

1.0 course(s) from: History 3802F/G, Religious Studies 3451F/G, Social Justice and Peace Studies 3360F/G, 3361F/G.

1.0 course(s) from: Social Justice and Peace Studies 4401F/G, 4402F/G, 4403E.

1.0 course(s) from the Approved List Level One, Two or Three.

~~1.0~~ 0.5 course from the Approved List Level Two or Three.

## SPECIALIZATION IN SOCIAL JUSTICE AND PEACE STUDIES

### Admission Requirements

Completion of first-year requirements, including the following 2.0 courses with a mark of at least 60%.

~~1.0 course: Social Justice and Peace Studies 1020E.~~

0.5 course: Social Justice and Peace Studies 1025F/G, or the former Social Justice and Peace Studies 1020E.

0.5 course: Social Justice and Peace Studies 1026F/G, or the former Social Justice and Peace Studies 2200E.

1.0 course from: Childhood and Social Institutions 1025F/G, the former 1020; Economics 1021A/B, 1022A/B, 1020; First Nations Studies 1020E; Geography 1100, 1500F/G, 1400F/G; History 1401E, 1403E, 1601E, 1801E, 1901E; Management and Organizational Studies 1020A/B; Media, Information and Technoculture 1200F/G and 1700F/G; Philosophy 1150E, 1300E, 1305F/G, 1360E, 1901E; Political Science 1020E; Psychology 1000; Religious Studies 1022A/B, 1023E, 1027E; or the former Religious Studies 021E; Social Work 1021A/B, 1022A/B, the former 1020; Sociology 1020, 1021E; or Women's Studies 1020E.

### Module

9.0 courses:

~~4.0 courses: Interdisciplinary Studies 2240F/G, 2252F/G, the former 3310F/G; Social Justice and Peace Studies 2200E, 2201F/G/Z, 3311F/G, 4401F/G, Social Justice and Peace Studies 4402F/G.~~

1.5 courses from: Interdisciplinary Studies 2240F/G, 2252F/G, Social Justice and Peace Studies 2201F/G/Z.

1.0 course(s) from: Social Justice and Peace Studies 2190, 2195A/B-2199A/B, 2270A/B-2279A/B.

1.0 course(s) from: History 3802F/G, Religious Studies 3451F/G, Social Justice and Peace Studies 3360F/G, 3361F/G.

1.0 course(s) from: Social Justice and Peace Studies 4401F/G, 4402F/G, 4403E.

1.5 courses from the Approved List Level One, Two or Three.

1.5 courses from the Approved List Level Two or Three.

~~2.0~~ 1.5 courses from the Approved List Level Three.

Note: Students will be able to complete both Social Justice and Peace Studies 4401F/G, 4402F/G and 4403E for their Social Justice and Peace Studies Honors Specialization, Specialization or Major module, if they so choose – 1.0 to satisfy the specific module requirement, and 1.0 for an Approved List requirement.

**MINOR IN SOCIAL JUSTICE AND PEACE STUDIES****Admission Requirements**

Completion of first-year requirements, including the following 2.0 courses with a mark of at least 60%:

~~1.0 course: Social Justice and Peace Studies 1020E.~~

0.5 course: Social Justice and Peace Studies 1025F/G, or the former Social Justice and Peace Studies 1020E.

0.5 course: Social Justice and Peace Studies 1026F/G, or the former Social Justice and Peace Studies 2200E.

1.0 course from: Childhood and Social Institutions 1025F/G, the former 1020; Economics 1021A/B, 1022A/B, 1020; First Nations Studies 1020E; Geography 1100, 1500F/G, 1400F/G; History 1401E, 1403E, 1601E, 1801E, 1901E; Management and Organizational Studies 1020A/B; Media, Information and Technoculture 1200F/G and 1700F/G; Philosophy 1150E, 1300E, 1305F/G, 1360E, 1901E; Political Science 1020E; Psychology 1000; Religious Studies 1022A/B, 1023E, 1027E; or the former Religious Studies 021E; Social Work 1021A/B, 1022A/B, the former 1020; Sociology 1020, 1021E; or Women's Studies 1020E.

**Module**

4.0 courses:

~~1.0 courses: Social Justice and Peace Studies 2200E.~~

1.0 course(s) from: Social Justice and Peace Studies 2190, 2195A/B-2199A/B, 2270A/B-2279A/B.

0.5 course from: History 3802F/G, Religious Studies 3451F/G, Social Justice and Peace Studies 3360F/G, 3361F/G.

~~3.0~~ 2.5 courses from the Approved List Level One, Two or Three.

Effective **September 1, 2014**, the following courses will be revised.

**Social Justice and Peace Studies 2201F/G/Z - Service Learning Project Community-Based Learning**

Current social justice theories and concepts will be applied to an actual justice-oriented service learning project which students will co-design with a partner non-profit organization. Students will develop a better understanding of the interrelationship between theory and practice and critically reflect upon their roles in furthering social justice goals through bi-weekly placements and discussion.

Antirequisite(s): ~~Social Justice and Peace Studies 2200E if taken prior to 2008.~~

Corequisite(s): ~~Social Justice and Peace Studies 2200E, Interdisciplinary Studies 2240F/G.~~

Pre-or Corequisite(s): Interdisciplinary Studies 2240F/G, and/or Social Justice and Peace Studies 1026F/G or the former Social Justice and Peace Studies 2200E.

3 hours, 0.5 course.

(King's)

**Social Justice and Peace Studies 4401F/G - Contemporary Canadian Issues in Social Justice and Peace**

~~A survey of contemporary Canadian issues of injustice and conflict such as aboriginal rights, health, disability, housing, family and child poverty, homelessness, racism, gender inequality and environmental concerns. The role of the state, police and military in these areas of concern will be examined. Students are encouraged to become actively involved in an organization, government agency, or group addressing one or more of these issues.~~

A research seminar on Canadian issues of injustice and conflict such as aboriginal rights, health, disability, housing, poverty, racism, gender inequality and environmental concerns. Active involvement in an organization pursuing social justice and peace initiatives will be encouraged.

Antirequisite(s): The former Social Justice and Peace Studies 3300F.

Prerequisite(s): The former Social Justice and Peace Studies 3311F/G, or registration in third or fourth year of a module in Media and the Public Interest. 4th year enrolment in Social Justice and Peace Studies, or permission of the Program Coordinator.

3 hours, 0.5 course.

(King's)

**Social Justice and Peace Studies 4402F/G - Contemporary Global Issues in Social Justice and Peace**

~~A survey of contemporary global issues of social justice, peace and conflict emphasizing international human rights, global economic justice, global environmental concerns, international and inter-ethnic arenas of conflict and the viability of peace initiatives of the United Nations and other national and international bodies. Active~~



~~involvement in an organization pursuing social justice and peace initiatives will be encouraged. This course will be considered preparation for an overseas experience in programs affiliated with King's, to which students will be introduced during the term. (Supervised overseas experience may be granted additional credit as Independent Studies in Social Justice and Peace Studies 4498F/G or 4499F/G).~~

A research seminar on global issues of social justice, peace and conflict emphasizing international human rights, global economic justice, global environmental concerns, international and inter-ethnic arenas of conflict. Active involvement in an organization pursuing social justice and peace initiatives will be encouraged.

~~Antirequisite(s): The former Social Justice and Peace Studies 3304G.~~

Prerequisite(s): ~~The former~~ Social Justice and Peace Studies 3311F/G, or registration in third or fourth year of a module in Media and the Public Interest. 4th year enrolment in Social Justice and Peace Studies, or permission of the Program Coordinator.

3 hours, 0.5 course.

(King's)

*Effective **September 1, 2014**, the following existing Special Topics courses will be combined into ranges rather than being listed individually or in small groups.*

### **Social Justice and Peace Studies 2270A/B-2279A/B – Special Topics in Social Justice and Peace Studies**

Selected topics of current interest in Social Justice and Peace Studies. A course description will be available at time of registration.

Prerequisite(s): Social Justice and Peace Studies 1025F/G or the former 1020E, or permission of the Program Coordinator.

3 hours, 0.5 course.

(King's)

### **Social Justice and Peace Studies 3396F/G-3399F/G - Independent Study**

~~Reading and discussion of selected topics in Social Justice and Peace. (The course may also serve as a vehicle to provide a half-course credit to students preparing for, or having engaged in an approved overseas project. See Program Coordinator for details.)~~ These courses may serve as preparation or follow-up for an approved overseas program. See Program Coordinator for details.

Prerequisite(s): ~~Interdisciplinary Studies 2240F/G, or the former~~ Social Justice and Peace Studies 1020E and 2200E, or permission of the Program Coordinator., and registration in the Social Justice and Peace Studies Program.

3 hours, 0.5 course.

(King's)

### **Social Justice and Peace Studies 4496F/G-4499F/G - Independent Study**

~~Reading and discussion of selected topics in Social Justice and Peace. (The course may also serve as a vehicle to provide a half-course credit to students preparing for or having engaged in an approved overseas project.~~ (These courses may serve as preparation or follow-up for an approved overseas program. See Program Coordinator for details.)

Prerequisite(s): ~~Interdisciplinary Studies 2240F/G, or the former~~ Social Justice and Peace Studies 1020E and 2200E, and registration in a Social Justice and Peace Studies module, or special permission of the Program Coordinator.

3 hours, 0.5 course.

(King's)

*Effective **September 1, 2014**, the following courses will change from A/B to F/G and then be combined with existing Special Topics courses into a range than being listed individually or in small groups.*

**Social Justice and Peace Studies 3370A/B-F/G**

**Social Justice and Peace Studies 3371A/B-F/G**

**Social Justice and Peace Studies 3370F/G–3378F/G - Special Topics in Social Justice and Peace Studies**

Selected topics of current interest in Social Justice and Peace Studies. **These courses may serve as preparation or follow-up for an approved overseas program.** A course description will be available at time of registration.

Prerequisite(s): **Interdisciplinary Studies 2240F/G, or the former** Social Justice and Peace Studies 1020E and 2200E, or permission of the Program Coordinator.

3 hours, 0.5 course.

(King's)

**DAP UPDATE: MINOR CHANGES****FACULTY OF ARTS AND HUMANITIES**

*Effective January 1, 2014, the contact hours for the following courses be revised.*

**Women's Studies 1021F/G – Introduction to Sexuality Studies**

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3 **2** lecture hours, **1 tutorial hour**, 0.5 course.

**Women's Studies 1022F/G – Gender, Justice, Change**

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3 **2** lecture hours, **1 tutorial hour**, 0.5 course.

**FACULTY OF HEALTH SCIENCES**

*Effective January 1, 2014, the following course descriptions be revised to correct a spelling issue.*

**Nursing 4405A - Therapeutics in Primary Health Care I**

Concepts integral to pharmacotherapy, advanced counselling and complimentary therapies related predominantly to common episodic conditions of clients across the lifespan are introduced. Emphasis is on the therapeutic care plan approach which focuses on drug-related problems, goals of therapies, analysis of different therapeutic approaches, need for referral, monitoring parameters, acceptability to the client, and follow-up.

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**Health Sciences 3101A/B - Healthcare Law**

A survey of the law governing the provision of treatment, counselling and care in Ontario. Topics and issues may include capacity to consent, negligence, documentation, confidentiality, disclosure, mandatory reporting, and health information privacy legislation.

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*Effective January 1, 2014, the course title of Nursing 3310A/B be revised.*

**Nursing 3310A/B - Health in a Global Context**

No further changes.

**FACULTY OF SCIENCE & AFFILIATED UNIVERSITY COLLEGES**

*Effective January 1, 2014, the prerequisites for Mathematics 1600A/B be revised at Main Campus and the Affiliated University Colleges.*

**Mathematics 1600A/B - Linear Algebra I**

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Prerequisite(s): One or more of Ontario Secondary School MCV4U, Mathematics 1229A/B, Calculus 4400A/B **1000A/B or** 1500A/B, **the former Calculus 1100A/B** or ~~Calculus 1000A/B taken as a pre- or co-requisite.~~

Calculus 1000A/B or 1500A/B may be taken as a pre- or co-requisite.

3 lecture hours, 1 laboratory hour, 0.5 course.

## **BRESCIA UNIVERSITY COLLEGE**

*Effective **January 1, 2014**, the course description of Foods and Nutrition 4901Y be revised to correct a spelling issue.*

### **Foods and Nutrition 4901Y - Dietetic Simulation Practice**

Provides an overview of processes involved in patient care, counseling, nutritional/community assessment, clinical activities for disease conditions, electronic patient records, data systems, clinical interface with foodservice operations. Simulation exercises engage students in critical thinking, clinical reasoning and evidence-based decision-making, raise awareness and allow the assessment of students' competencies to practice.

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