

Office of the Senate Secretariat

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**ACADIA**  
**UNIVERSITY**

30 January 2008

Dear Member of Senate:

I advise you that a meeting of the Senate of Acadia University will occur **at 4:00 p.m., Monday, 11 February 2008** in BAC 132. The AGENDA follows:

- 1) Minutes of the Meeting of 14 January 2008
- 2) Announcements and Communications
- 3) New Business
  - a) Graduate Studies - Curriculum Changes
    - Education **(078-38-GRD) \***
    - Biology **(078-39-GRD) \***
    - Computer Science **(078-40-GRD) \***
    - Earth & Environmental Science (Geology) **(078-41-GRD) \***
  - b) Vice-President (Academic) - Notice of Motion re Evaluation in Graduate Courses **(078-42-GRD) \***
  - c) Academic Program Review Committee - Notice of Motion re External Review of Department of Psychology & Response **(078-43-APR) \***
  - d) Curriculum Committee
    - Economics **(078-44-CRE) \***
    - English **(078-45-CRE) \***
    - Theatre Studies **(078-46-CRE) \***
    - History **(078-47-CRE) \***
    - Language & Literature **(078-48-CRE) \***
    - Music **(078-49-CRE) \***
    - Political Science **(078-50-CRE) \***
    - Sociology **(078-51-CRE) \***
    - Biology **(078-52-CRE) \***
    - Chemistry **(078-53-CRE) \***
    - Computer Science **(078-54-CRE) \***
    - Earth and Environmental Science **(078-55-CRE) \***
    - Mathematics and Statistics **(078-56-CRE) \***
    - Nutrition & Dietetics **(078-57-CRE) \***
    - Psychology **(078-58-CRE) \***
    - Recreation Management & Kinesiology **(078-59-CRE) \***
    - Business **(078-60-CRE) \***

4) Other Business

Yours sincerely,

Rosemary Jotcham  
Registrar and Secretary of Senate

\* Material Attached

Items Carried Over/Tabled:

Academic Integrity - Policy on Conflict of Interest (as per minutes of 10Oct06)

Faculty Development Committee - Endowed Chairs (**078-30-FAC**)

**SENATE MEETING**  
Graduate Curriculum Changes for 2008-2009  
Submitted by Research and Graduate Studies

\* Approved at Senate Graduate Studies Committee meeting on January 22, 2008 \*

**FACULTY OF PROFESSIONAL STUDIES**

**Education - (078-38-RGS)**

Regulation Change – All M.Ed. programs

**Regulation #3, page 59 of the 2007-08 Graduate Studies Calendar:**

**CURRENT REGULATION:**

Full-time students may enrol in a maximum of 12 credit hours during fall term and 12 credit hours during winter term. **A maximum of 3 credit hours may be taken during any three-week intersession.**

**PROPOSED REGULATION:**

Full-time students may enrol in a maximum of 12 credit hours during fall term and 12 credit hours during winter term. **Full-time or part-time graduate students may take a maximum of 6 credit hours during any three-week intersession.**

Reason for modification

This change allows for an intensive “summer institute” format in which students participate in all day class sessions and normally complete pre-course readings. This summer format is now standard for faculties and schools of Education, as it allows program delivery flexibility for graduate students in Education who are practicing professionals with limited vacation time.

Course Modifications

Current Calendar Description

EDUC 5583 -- COUNSELLING STRATEGIES AND INTERVENTIONS

This course pre-supposes knowledge of contemporary theories of the counselling relationship. Building upon this knowledge, the course examines the theoretical basis and provides training in the use of selected counselling techniques—areas such as cognitive restructuring, systematic desensitization, relaxation exercises and guided imagery will be investigated.

Prereq: EDUC 5066 and admission to the M.Ed. Counselling program.

New Calendar Description

EDUC 5583 -- COUNSELLING STRATEGIES AND INTERVENTIONS

This course pre-supposes knowledge of contemporary theories of the counselling relationship. Building upon this knowledge, the course examines the theoretical basis and provides training in the use of selected counselling techniques—areas such as

cognitive restructuring, systematic desensitization, relaxation exercises and guided imagery will be investigated.

Prereq: EDUC 5033 and EDUC 5133 and admission to the M.Ed. Counselling Program.

Reason for modification

The prerequisite changes to EDUC 5583 reflect the changes that have been made to the program in general as a result of the School's application for accreditation for its M. Ed. (Counselling) program.

Current Calendar Description

EDUC 50F3 COUNSELLING PRE-PRACTICUM

The 40 hour pre-practicum allows students to study and practice beginning counselling skills in a simulated environment. With a focus on ethical and multicultural practice in counselling, students engage in applying their counselling skills and learn how to analyze their developing counselling style and performance. Co-req: EDUC 5033 and EDUC 5133. Pre-req. or Co-req: EDUC 5583 and EDUC 5623. Open only to students in the Master of Education in Counselling program

New Calendar Description

EDUC 50F3 COUNSELLING PRE-PRACTICUM

The 40 hour pre-practicum allows students to study and practice beginning counselling skills in a simulated environment. With a focus on ethical and multicultural practice in counselling, students engage in applying their counselling skills and learn how to analyze their developing counselling style and performance. Prereq: EDUC 5033 and EDUC 5133. Open only to students in the Master of Education in Counselling program.

Reason for modification

To accommodate a revision in course sequencing and cohort group rotation scheduling.

Current Calendar Description and Prerequisite

EDUC 5066 SEMINAR AND PRACTICUM IN COUNSELLING

Prereq: All core counselling courses completed or taken concurrently and admission to the counselling program. This course involves a counselling practicum in an appropriate setting. Placements are chosen in consultation with the instructor. Students are expected to complete 100 hours of intensive supervised practice followed by 400 hours of continued practicum. The practicum is completed in a block format, normally four days a week for 16 weeks. A seminar accompanies the practicum. Students are responsible for arranging their own practicum in consultation with counselling faculty.

New Calendar Description and Prerequisite

EDUC 5066 SEMINAR AND PRACTICUM IN COUNSELLING

This course involves a counselling practicum in an appropriate setting. Placements are chosen in consultation with the instructor. Students are expected to complete 500 hours of intensive supervised practice. The practicum is completed in a block format,

normally four days a week for 16 weeks. A seminar accompanies the practicum. Students are responsible for arranging their own practicum in consultation with counselling faculty.

Prereq: EDUC 50F3, 5033, and 5133. Preference is given to those who have completed additional counselling courses.

#### Reasons for modification

The changes to the calendar description for EDUC 5066 have been made to reflect the practicum requirements for an accredited program in Counselling. The School of Education is currently applying for accreditation of its M. Ed. (Counselling) program.

In terms of the change of requirements, all core courses in Counselling, as stated in the above description, are no longer required as a result of the introduction of EDUC 50F3 (Counselling Pre-practicum). This course, along with the two foundation courses (5033 and 5133) provide students with sufficient knowledge and skills to undertake the practicum.

#### Course Titles

Current Course Title: EDUC 5873 – TECHNOLOGY AND CURRICULUM: MATH,  
SCIENCE, OR TECHNOLOGY STUDIES

New Course Title: EDUC 5873 – TECHNOLOGY AND CURRICULUM: MATH  
AND/OR  
SCIENCE

Current Course Title: EDUC 5883 – CONTEMPORARY CURRICULUM  
INNOVATIONS IN MATHEMATICS AND  
SCIENCE

New Course Title: EDUC 5883 – CONTEMPORARY CURRICULUM TRENDS IN  
MATHEMATICS AND/OR SCIENCE

#### Reason for modifications

The revised titles will more accurately reflect course content.

#### Program Modifications

1. To delete the recommendation that applicants to the M.Ed. (Inclusive Education) be subject to the following additional requirement and/or procedure:  
“It is recommended that applicants have an academic and/or experiential background in special education (Acadia two-year Bachelor of Education or equivalent)”

#### Reason for modification

The School has broadened the Master of Inclusive Education so that students can focus their study from within a broad range of social difference (race, class, gender/sexuality and disability) and therefore they do not wish to restrict their pool of applicants to only those with a background in special education.

2. School Counselling Stream courses (6h) EDUC 50C3 and EDUC 50E3 will become recommended courses rather than required courses. Also, Agency Stream courses (6h) EDUC 5233 and EDUC 5553 will become recommended courses rather than required courses.

#### Reason for modification

This change will allow school and agency stream students to take *either* school-focussed or agency-focussed concentrations, a modification which they have been requesting for professional reasons. Further, changing the courses to recommended rather than required status creates flexibility for students who require it within the context of a 48 credit hour graduate program that currently allows for only six credit hours or no credit hours (depending on whether or not students take the thesis route) of electives.

### **FACULTY OF SCIENCE**

#### **Biology - (078-39-RGS)**

#### Course Titles:

Current Course Title: BIOL 5013 CURRENT TOPICS IN BIOLOGY

New Course Title: BIOL 5013 RESEARCH METHODS IN BIOLOGY 1

#### Reason for modification

The new title more accurately reflects the way the material is delivered.

#### Course Modification

##### Current Title and Calendar Description

BIOL 5023 CURRENT TOPICS IN BIOLOGY

Faculty members from the department lead discussions on current issues in their research areas

##### New Title and Calendar Description

BIOL 5023 Research Methods in Biology 2

An exploration of current and historical topics in biology through seminar discussions, original research projects, critical reviews, data exploration (visual, mathematical, and statistical), software implementation, presentations, workshops, and/or field trips.

#### Reason for modification

Reflects the expanded and varied nature of this course and allows for a broad scope typically drawn upon for the course syllabus. For example, allows for guest lecturers, workshops, field trips, original research studies, interactive software use, and intellectual discussion of current and historical topics with room for various exploratory avenues, both conventional and unconventional, that are currently employed.

**Computer Science - (078-40-RGS)**

Course Deletion

COMP 5970: THESIS STUDY

Reason for modification:

This is a non-credit course and the School feels that a Supervisor/Student Contract will suffice in its place.

**Earth and Environmental Sciences (MSc in Geology degree) - (078-41-RGS)**

Course Deletion

GEOL 5423 ADVANCED VOLCANOLOGY

Reason for modification:

This course was a specialized course taught by a faculty member who is no longer at Acadia.

Course Modification:

Current Calendar Description

GEOL 5303 Advanced Topics in Sedimentology

Advanced studies in sedimentology; topics to be emphasized per term may include; trace fossils and stromatolites, inorganic sedimentary structure, precipitate and evaporite sediments, diagenesis, carbonate petrology and geology, and siliciclastic sediments and sedimentary rocks.

New Calendar Description

GEOL 5303 Advanced Topics in Sedimentology

Advanced studies in sedimentology. Topics may include: carbonate sedimentology and diagenesis, phosphogenesis and phosphorite accumulation, iron formation sedimentology and petrography, sediment lithogeochemistry, and Precambrian oceanography.

Reason for modification:

The course is being taught by a new faculty member who has changed its emphasis.

January 30, 2008

*Notice of Motion* re Evaluation in Graduate Courses:

To delete the requirement for a formal request for exemption from formal evaluation in graduate courses and to eliminate the current wording in the calendar (“Faculty requesting exemption from the formal examination procedures must submit a written request to the Acting Dean of Research and Graduate Studies.”).

T. Herman  
Acting Vice-President (Academic)



January 30, 2008

*Notice of Motion* re External Academic Review of Department of Psychology

To approve the Academic Program Review Committee report on the external review of the Psychology Department (with the departmental response to the review appended).

**Report to Senate**

Psychology Academic Program Review

January 15<sup>th</sup>, 2008

On Behalf of the Academic Program Review Committee

Tom Herman, Chair

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The Academic Program Review Committee reports the following as a summary of the Academic Program Review of Psychology. The Academic Review Team comprising Michael W. Pratt (Wilfrid Laurier University), David A. Clark (University of New Brunswick), David MacKinnon, School of Education (Acadia University) and Brian Wilson, Department of Biology (Acadia University) conducted their site visit on June 20 – 21, 2007. The Team's recommendations were organized into four main themes: Graduate Program Issues, Undergraduate Program Issues, Department Organizational Issues, and University-Wide Issues. The responses of the Psychology Department to those recommendations are attached. The Academic Program Review Committee met with the Head of the Psychology Department on January 9, 2008 to review both the Review document and the Departmental response. What follows is a summary of the Program Review recommendations together with the noted response of the Department.

**Graduate Program Issues**

The Review Committee acknowledged the strengths of the Department's graduate program in terms of teaching, students, and research. As noted by the Review Committee, there is a national trend to upgrade Master's programs in Clinical Psychology to the Doctoral level and to recognize the national standard of the doctoral degree as the minimal standard of entry to the clinical profession. This poses a challenge and potential setback for Acadia graduates of the M.Sc. program in Clinical Psychology. As a result, faculty in the Department are interested in exploring the development of a Ph.D. program at Acadia and have created a planning committee to develop a Ph.D. proposal.

With respect to funding issues related to graduate programs, the Review Committee noted that the graduate student funding (AGAs of \$9000 year 1, \$8000 year 2) is lower than the lower limits of the national average. As well, students with external awards such as SSHRC-CGS and NSHRF have been disallowed from holding ½ AGAs by a recent change in rules of the Office of Research and Graduate Studies; this has had a negative impact on graduate students in psychology, on teaching resources for undergraduate courses, and on the Departmental budget.

**Undergraduate Program Issues**

The Review Committee suggested that 'Introductory Psychology' be taught within the traditional structure of three lectures per week, rather than within the existing structure of

2 lectures and one discussion group per week. The Department agrees with the Review Committee, and has restructured Introductory Psychology to eliminate discussion groups.

**Department Organizational Issues**

A formal mentorship process was recommended for new faculty. The Department has since implemented such a program, which is available for all untenured faculty.

**University-Wide Issues**

The Review Team suggested that as an aid to advancing research activity, the University offer faculty release time that could be applied for on a competitive basis. The Department supports this idea.

The Academic Program Review Committee wishes to thank the Department of Psychology for their commitment and co-operation during this extremely productive review process and for their rapid response to the Program Review Committee's recommendations. The APRC will follow up with the Psychology Department at a later date to ensure continued success in the implementation of the review team's recommendations.

## **Academic Program Review**

### **Response to the Review Team Report, Department of Psychology**

**10 October 2007**

**Date of Site Visit, June 20-21, Review Team Report submitted in August 2007**

The Psychology Department is greatly appreciative of the Review Team's efforts. They have clearly digested the self study material, developed a grasp of the Department's programs and functions during their two day site visit, and been appropriately balanced in their report. The Psychology Department also thanks all those faculty, staff, students, and university administrators for their participation in this process.

As a general comment, we are very pleased with the state of the undergraduate curriculum and the obvious strength of those programs noted by the committee. The graduate program is also noted to be strong, and there are opportunities and challenges in terms of future directions for this program. We will organize our response to the report according to point 10 of the report which is recommendations for improvement and innovation. These recommendations are organized into four categories: Graduate Program Issues, Undergraduate Program Issues, Department Organizational Issues, and University-Wide Issues.

#### **Graduate Program Issues**

The Psychology Department is pleased that the Review Team recognized that we have a good and strong graduate program in terms of teaching, students, and research. There are many comments in the report that indicate this on pages 10 through 15 of the report. We concur with this strong evaluation of our graduate program and take this as a required and appropriate foundation on which to build for the future and to explore the possibility of a doctoral program.

Five recommendations of the Review Committee within this category are interrelated, so we wish to comment on these together. The Review Committee has correctly identified a national trend to upgrade Master's programs in Psychology to the Doctoral level, and the national standard of the doctoral degree as the minimal standard of entry to the profession of psychology. We have confirmation from professional bodies in Nova Scotia that this is a likely development, if not inevitable, and the change has taken place in most other provinces. This poses a challenge for Acadia graduates of the M.Sc. program in Clinical Psychology down the road. As standards change, then phasing out the current Master's program in the suggested time frame is possible.

At the same time, faculty in the Department are interested in exploring the development of a Ph.D. program at Acadia given our rich tradition and established curriculum of Master's level training. The specialization in rural mental health and community health within the clinical service component of such a program is possible, but will not change and should even expand the research orientation of the students which

have spanned a range of methodologies and areas in psychology. **The Department thus agrees that a planning committee should be created with the following mandates: to continue development of the proposed program; build consensus in the Department that such a program would meet the needs of faculty, students, and the broader community; and, enter into discussions with stakeholders to ensure sufficient resources are available to effectively launch such a program. This work may lead to formulation of a proposal that could be presented to government for possible funding, and in fact, preliminary work of this nature has begun. The Department recognizes that support for the program is essential for it to be successful and not infringe upon current programs, particularly strong undergraduate programs. Support includes financial support for additional faculty, graduate students, and appropriate operating expenses of the program; support for additional space for psychology to operate such a program and provide for additional faculty and students; and, internal support within the Acadia University community that this is indeed a desired expansion of programming at Acadia.**

It is recognized that Acadia is unlikely to redistribute internal resources for such a program, so external support is essential. Before this considerable work is undertaken, it would be helpful if Senate gave support in principle for such a proposal to be developed, and in fact, it may be necessary for senior administrators at Acadia to lend support to such external lobbying for program development support (Note: some of this has already happened at an informal level). There is a significant opportunity given parallel developments in other graduate programs at Acadia (e.g., Education, Biology). In addition, we would note that there are potential renegotiations of the funding formula for universities, and the funding formula provides for seven times the provincial transfer for a doctoral student over an undergraduate (i.e., \$21,350/student per year for a doctoral student, \$3,050/student/year for an undergraduate). As these are revenues external to the University, they would actually more than pay for the costs associated with mounting the proposed program (see budget in self study).

There are two other recommendations with respect to funding issues. First, the Review Committee notes that graduate student funding (AGAs of \$9000 year 1, \$8000 year 2) are lower than the lower limits of the national average. We know they have not changed since 1988. Given the highest tuition in Canada, this means Acadia's graduate students are the poorest supported students in the country. **The Department supports the recommendation that graduate student funding be increased.**

Second, students with external awards such as SSHRC-CGS and NSHRF have been disallowed from holding ½ AGAs by a recent change in rules of the Office of Research and Graduate Studies. This had an immediate negative impact on graduate students in psychology, our teaching resources for undergraduate courses, and the Departmental budget. **We agree with the recommendation that this restriction be removed immediately, and ask that the VP Academic review the policy.**

### **Undergraduate Program Issues**

The existing structure of 2 lectures and one discussion group per week has been in place since the inception of the Acadia Advantage program and may have outlived its

usefulness. The structure was designed to economize teaching resources, provide graduate students with valuable teaching experiences, and assist undergraduate learning in a small group format. The Review Committee suggests these goals can be accomplished within the traditional structure of three lectures per week within introductory psychology. **The Department agrees with the Review Committee, and will take steps to make this modification through the curriculum committee. At the same time, we will discuss alternative ways to make this change without an adverse impact on overall teaching resources, teaching experiences of graduate students, and learning experiences of undergraduates taking introductory psychology.**

**The Department will undertake a review of all prerequisites of undergraduate courses.** We would note that progression through the curriculum is not as complicated as characterized, but becomes complicated when students either fail essential courses (i.e., second year research methods, first year statistics) or switch into psychology part way through undergraduate studies and have to play “catch up” with course requirements. Student planning for upper year courses is stressed during all academic orientations so that appropriate courses are taken at the lower years.

**The Department has asked the Head to meet with the Dean of Arts and discuss how the Department can best be advised of changes to B.A. requirements.** The Department does not want to be seen as trying to encroach on Faculty of Arts resources, but is interested in representing the interests of the large number of B.A. Psychology students. Chronic problems of these students include the 24 hour minor and the fact that non-Arts subjects (e.g., Business) can not be used as a minor without special permission of the Dean of Arts (although this has often been granted).

### **Department Organizational Issues**

A formal mentorship process is recommended for new faculty. We would note that psychology faculty which pursue registration as psychologists have such a process in that they meet with a supervisor 2 hours per month for a year or two while pursuing registration. Supervisors are usually a senior psychologist in the Department. However, this option is geared for faculty who provide clinical and professional services, and is not attractive to those not pursuing professional registration. **The Department agrees to ensure that all new faculty have mentorship opportunities regardless of whether they are pursuing professional registration or not.**

The Review Committee encourages the Department to institute a small number of standing committees. In fact we believe we have such committees in place. The Department has committees which oversee the colloquia series, ethics review of student research, and review of graduate student selection and review. In addition, we have representatives that coordinate cooperative placements, health and safety initiatives, library acquisitions and holdings, and liaison with the Cooperative Clinical Program at Dalhousie. What we have realized, however, is that nowhere do we have records of these committees or representatives. **The Department will therefore take action to list committees and representatives of committees on its website, as well as be sensitive to any further standing committees which may be necessary for the smooth administrative function of the department.**

## University-Wide Issues

**The Review Team suggests that the University has some faculty release time that could be applied for on a competitive basis to advancing research activity. The Department supports this idea.** Such a model has been in place for years at Wilfred Laurier, home university to one of the external reviewers. We would note that the University has for 10 years or so supported faculty teaching release time, but restricted those releases to advancing pedagogy previously through the Acadia Advantage program and more recently through the Learning Commons. The structure of 25.55 fund applications would be sufficient to support such a plan, in which one award is allowed for up to three half-course buyouts from the funds granted. This would require the funds requested limit be increased on the competition for these funds, but it would be understood that only one (or some other small number) would be granted. Research achievement and acute need for release time to advance research would be essential criteria. **As an addition to this recommendation, the Department suggests that the University should continue to explore and implement other ways of providing institutional support for the research environment at Acadia.**

The Review Team has recognized the frustration of this academic unit with the budgeting and processes, and we believe our sentiments to be reflective of a broader dissatisfaction with the opaqueness and tardiness of the process. **We are supportive of any initiative which makes these procedures proceed in a timely and transparent fashion.**

In closing, we again thank the Review Team for their efforts and am available to clarify any of our responses to the Review Team report.

**SENATE MEETING**  
CURRICULUM CHANGES FOR 2008-2009  
FINAL VERSION AS HANDED OUT AT MEETING AND APPROVED

**FACULTY OF ARTS**

**Economics Department - (078-44-CRE)**

**Course Modification**

**ECON 3113 INTERMEDIATE MICROECONOMIC THEORY 2 (change in prereq)**

The determination of prices in a market economy. The theory of the firm, the theory of factor pricing and income distribution, general equilibrium theory, and welfare economics are discussed. Prereq: Econ 2113 and Math 1613 or Math 1013 with a C- or better.

**ECON 3123 INTERMEDIATE MACROECONOMIC THEORY 2 (change in prereq)**

A macroeconomic analysis of the national economic operation including a consideration of macroeconomic dynamics, inflation business cycles, the control of the national economy and its related public policies. Prereq: Econ 2213 or 3106; Econ 2113, and Math 1613 or Math 1013 with C- or better.

**ECON 3613 MATHEMATICAL ECONOMICS 1 (change in prereq)**

This course is concerned with the application of mathematical tools to economic theory. Incoming students are expected to be familiar with univariate calculus. Tools such as multivariate calculus, matrix algebra and linear programming are brought to bear on macroeconomic models and a variety of unconstrained and constrained microeconomic optimization problems. Prereq: Math 1613 or Math 1013 with C- or better

**Program Modification**

**Bachelor of Arts with Honours in Economics**

One of Econ 1013/1023, 1006 or 1113/1123; 2113, 2213, 2613, 2623, 3113, 3123, 4996, 18h economics electives and Math 1613 (51h), each with a minimum grade of B-; or, One of Econ 1013/1023, 1006 or 1113/1123; 2113, 2213, 2613, 2623, 3113, 3123, 4033, 4043, 4613, 4623, 12h economics electives and Math 1613 (51h), each with a minimum grade of B-.

**Bachelor of Arts with Major in Economics**

One of Econ 1013/1023, 1006, or 1113/1123; 2113, 2213, 2613, 3113, 3123, 21h economics electives, and Math 1613, each completed with a grade of C- or better. (45h)

**Bachelor of Arts with Honours in Economics with Business**

One of Econ 1013/1023, 1006 or 1113/1123; 2113, 2213, 2613, 2623, 3113, 3123, 4996 and 18h economics electives (48h), each with a minimum grade of B-; or, One of Econ 1013/1023, 1006 or 1113/1123; 2113, 2213, 2613, 2623, 3113, 3123, 4033, 4043, 4613, 4623 and 12h economics electives (48h), each with a minimum grade of B-; Busi 1013, 1703, 2013, 2733, 2743, 2803, 3013, 3023, 3033, 3043, 3053, 3063, and 6h business electives; and Math 1013. (93h)

**Bachelor of Arts in Economics with Business**

One of Econ 1013/1023 or 1006; 2113, 2213, 2613, 3113, 3123, and 21h economics electives, and Busi 1013, 1703, 2013, 2733, 2743, 2803, 3013, 3023, 3033, 3043, 3053, 3063, and 6h business electives; and Math 1613. (87h)

**Reason: To replace Math 1013 with Math 1613 as a requirement for the Economics Major**

English Department (078-45-CRE)

Course Modification

**ENGL 3773 MODERN BRITISH POETRY (change description; title)**

A study of the evolution of modern and contemporary British poetry. Poetry will be studied in its historical, cultural, and linguistic contexts. Poems will be selected to represent historical developments such as modernism, feminism, and postcolonialism as well as cultural topics such as war, religion, love, and politics.

**ENGL 3793 MODERN BRITISH FICTION (change description, title)**

A study of the evolution of modern and contemporary British fiction. Fiction by men and women will be studied in the context of the historical, political, and technological development of British culture. Fiction will be selected to represent to represent literary movements such as modernism, postmodernism, and postcolonialism.

Program Modification

**English core (30h):**

- Engl 1406 (1413/1423);
- Engl 2006;
- 3h from Engl 2163, 2173, 2273;
- 3h from 2286, 3283 or 3293;
- 3h from 2283, 2383, 2393, 2773;
- 3h from 2386, 2476, 3483 or 2783;
- 3h from 2563, 2573, 2683, 2693, 3833 or 3843;
- 3h from 3663, 3773, 3793, 3673, 3683, 3693

Theatre Studies (078-46-CRE)

Program Modification

**Bachelor of Arts with Major in Theatre Studies (Performance)**

Thea 1013, 1023, 2013, 2023, 2753, 2763, 2823, 2833, 2853, 2863, 2883, 2893, 3013, 3023, 3853, 3863, 4833, 4843; 3h from Engl 2286\*, 3h from Engl 3883, 3893, plus a minimum of 6 credit hours from Thea 1001 (1h) and 2002 (2h) (66h).

\* The extra 3h in a 6h course will be subsumed in the 30 h of electives.



**Bachelor of Arts with Major in Theatre Studies (Design and Production)**

Thea 2823, 2833, 2883, 2893, 4833, 4843, plus 12h from Thea 2803, 2813, 3133, 3243, 3293, 3897; Art 1113, 1123; plus 6h from Art 2013, 2023, 2033, 2043; plus 3h from Engl 2286\*; plus 6h Engl 3883, 3893; Musi 1563, 2163; plus a minimum of 6 credit hours from Thea 1001 (1h) and 2002 (2h) (63h).

\* The extra 3h in a 6h course will be subsumed in the 30 h of electives.

Course Modification

**THEA 4013 SPECIAL TOPICS IN THEATRE 1 (description)**

Studies in acting, directing, design, stage management, playwriting, dramaturgy or research.  
Prereq: Permission of Dept.

History and Classics Department (078-47-CRE)

New Course

**CREL 2533 'CULTS': NEW RELIGIOUS MOVEMENTS**

An examination of practices and self-understandings of New Religious Movements (NRMs, i.e. Scientology, Neo-paganism (Wicca), Satanism, Falun Gong, Branch Davidians) in North America. Topics include the social scientific study of NRMs; historical roots and teachings; issues of popularity and interpretation; and special consideration of gender in the emergence and form of NRMs.

**HIST 4343 TOPICS: CANADIAN HISTORY**

Course Modification

**HIST 2203 WORLD WAR ONE (change in description)**

This course examines the origins, progress and consequences of World War One. Topics include the causes of the war, the opening moves of 1914, the battles of attrition, trench warfare, the war at sea and in the air, the global influence of the war, the evolution of strategy and tactics and the impact of new weapons.

**HIST 2213 WORLD WAR TWO (change in description)**

This course examines the origins, progress and consequences of World War Two. While strategy and battlefield tactics form a major focus of the course, other topics such as the Holocaust, the air war, the war at sea, resistance and collaboration are also covered.

**HIST 3273 MAKING BRITAIN MODERN: FROM THE INDUSTRIAL REVOLUTION TO WORLD WAR I (change in course weight from 6h to 3h; number within the same year; description)**

An in-depth study of the transformation of Britain from the late 18th century to the outbreak of the First World War. Topics and themes may include industrialization, social protest, democratization, emergence of modern mass politics, commercialization of popular culture, family, sexuality and Victorian social theory, as well as cultural and literary themes.

**HIST 3163 TOTAL WAR AND SOCIAL CHANGE, 1870-1945 (change in description)**

This course examines the impact of war on society from 1870 to 1945—the era of 'total war'. Lectures and discussion groups will focus on the manner in which total war impacts society and the extent to which war can serve as an agent for social change.

**HIST 3533 CANADIAN SOCIAL AND CULTURAL HISTORY (change in course weight from 6h to 3h; number within the same year; description)**

A seminar course that explores topics in Canadian social and cultural history. Topics may include family formation, working conditions, community development and popular culture. Prereq: Hist 2773 and 2783

**HIST 4323 TOPICS: AMERICAN HISTORY (title only)**

**CLAS 2573 CLASSICAL TRADITION 1 (course number within the same year; from IDST to CLAS; change in description; title)**

A study of the Classical tradition focussing on epic as embodying the cultural ideals of the Ancient Near East (Epic of Gilgamesh), Classical Greece (Iliad of Homer), Imperial Rome (Virgil's Aeneid) and Medieval Christendom (Song of Roland). May be offered for major credit in English.

**CLAS 3573 CLASSICAL TRADITION 2 (course number level change from 2000 to 3000; from IDST to CLAS; change in description; title)**

A study of the Classical tradition in Medieval times, focussing on Saint Augustine's Confessions and Dante's Divine Comedy, with special attention paid to the classical model of the heroic quest and its medieval interpretation in light of Christian doctrine. May be offered for major credit in English.

Languages and Literatures (078-48-CRE)

Course Modification

**GERM 2813 INTRODUCTION TO GERMAN CULTURE AND LITERATURE 1 (prereq)**

In the past 130 years Germany played a pivotal role in Europe. What is unique about Germany? This course attempts to answer these questions with historical and contemporary texts, films and other media, and through literature. This course is taught in English. Prereq: second year standing

**GERM 2823 INTRODUCTION TO GERMAN CULTURE AND LITERATURE 2 (prereq)**

Continuation of Germ 2813. Prereq: second year standing.

Program Modification

**Program of Proficiency in French**

**Removal:** completed with a minimum grade of C.

**Program of Proficiency in German**

**Removal:** All courses must be completed with a minimum grade of C.

**Program of Proficiency in Spanish**

**Removal:** with a minimum grade of B.

School of Music (078-49-CRE)

New Courses

**MUSI 1130L/1140L LABORATORY SECTIONS FOR 1133/1143**

**MUSI 1600 First-Year Chorus**

University Chorus for first-year students to develop aural comprehension, sight-singing skills, and instruction in large ensemble performance.

**MUSI 2573 MUSIC: A MODERN THERAPY**

This course presents an overview of the development of Music Therapy as a profession. Current theory, research, and practice will be discussed in light of scientific and trans-cultural development of both musical and medical practice, and how they have come to work together.

**MUSI 3003 HISTORY OF ROCK MUSIC**

The social, political, and cultural history of Rock Music. This course is designed for non-music majors and no previous musical training is required.

**MUSI 3693 ACCOMPANYING**

Instruction and practical experience in collaborative piano for piano majors. Students will be assigned ensembles or other students to accompany throughout the year.

**MUSI 4183 ADVANCED MUSICIANSHIP**

Special topics in advanced musicianship for performance majors. Topics may include improvisation, rhythmic performance, extended instrument techniques etc. May be repeated for course credit.

**MUSI 4533 SINGING AS THERAPY**

Small group instruction in advanced voicework in Music Therapy. This course will provide a historical and cultural survey of the therapeutic functions of singing as therapy. Specific techniques will be taught, and the clinical rationale for them explained. For music therapy majors. Pre-requisite: Musi 1333 Vocal Workshop.

**MUSI 4996 HONOURS THESIS**

Pre-requisite: Musi 4113 or 4213/4223, and registration in the Honours Bachelor of Music Program.

Course deletion

Musi 1110 L - Chorus Workshop for Music 1113  
Musi 1120 L - Chorus Workshop for Music 1123  
Musi 1112 - Musicianship 1  
Musi 1122 - Musicianship 2  
Musi 1161 - Technology in Music 1  
Musi 1171 - Technology in Music 2  
Musi 1553 - Introduction to Music Therapy  
Musi 1673 - Dance for Music Theatre 1  
Musi 1683 - Scene Studies in Music Theatre 1  
Musi 2113 - Musicianship 3  
Musi 2123 - Musicianship 4  
Musi 2243 - Classical Music  
Musi 2273 - The Study of Music History and Literature  
Musi 2673 - Dance for Music Theatre 2  
Musi 2683 - Scene Studies in Music Theatre 2  
Musi 2173 - Music Technology 2  
Musi 2223 - Renaissance Music  
Musi 2233 - Baroque Music  
Musi 3103 - Counterpoint 1  
Musi 3113 - Counterpoint 2  
Musi 3353 - String Methods 2  
Musi 3393 - String Pedagogy  
Musi 4263 - Electronic Publishing of Music Texts and Scores  
Musi 4303 - Choral Principles and Processes

Course Modification

**MUSI 1033 READING AND WRITING MUSIC 1 (title; updated the lab title)**

Fundamentals of music reading and notation and basic concepts in music theory; an introductory course, designed for the non-music major.

**MUSI 1043 READING AND WRITING MUSIC 2 (title; updated the lab title)**

Fundamentals of music reading and notation and basic concepts in music theory; an introductory course, designed for the non-music major. Prereq: Music 1033

**MUSI 1253 MUSIC AND SOCIETY (change description; title)**

An introduction to the historical and socio-cultural context for the study of music. This course will examine a wide range of repertoires and historical periods in developing critical thinking, listening, and analysis skills for the study of music history and culture.

**MUSI 1263 INTRODUCTION TO MUSICOLOGY (change description; title)**

This course will introduce students to research methods and strategies while also addressing contemporary issues in the study of musicology. The course will continue to emphasize critical thinking, analysis, and communication skills.

**MUSI 2701 PERFORMANCE ENSEMBLE 1 (formerly Musi 2701 University Band)**

Principal performing ensemble for music majors. Students will choose one section of either Symphonic Band, Wind Ensemble, University Chorus, String Ensemble or other designated ensembles. Students must successfully complete both the fall and winter term of this ensemble.

**MUSI 2800 PERFORMING ENSEMBLE 2**

Secondary performing ensemble for music majors. Students must successfully complete both the fall and winter term of this ensemble.

**MUSI 3563 SKILLS AND RESOURCES IN MUSIC THERAPY (change academic level from 2000 to 3000; prereq)**

This course introduces students to improvisational and group leading, as well as other interpersonal and clinical skills in music therapy. Issues of assessment, treatment and evaluation are presented. A weekly two-hour practicum accompanies this course. Prereq: Music Core, Musi 1563, 2573, with a C- or better in all prerequisites

**MUSI 3573 THEORETICAL FOUNDATIONS OF MUSIC THERAPY (change academic level from 2000 to 3000; prereq)**

This course investigates the physical and psychological influences of music. Historical and current theories of music therapy are presented and analyzed. Research methods are studied. A weekly two-hour practicum accompanies this course. Prereq: Music Core, Musi 1563, 2573, 3563, with a C- or better in all prerequisites.

**MUSI 3673 THE MECHANICS OF MOVEMENT (change description; title)**

An introduction to the fundamentals of movement and dance. The course will provide instruction in technique, with the principals of support and ease in the body to achieve a clear, intentional and articulate performance being addressed.

**MUSI 3683 SCENE STUDIES (change description; title)**

This course synthesizes acting, movement, communication and musical skills to prepare the student for effective stage performance. Excerpts from the historical and contemporary repertoire emphasize ensemble interaction between performers. 1.5 hours weekly, both terms. A class performance will be given at the end of second term.

**MUSI 4560 MUSIC THERAPY PRACTICUM (change academic level from 2000 to 4000 - was Musi 2560)**

This practicum is the clinical placement for MUSI 4563. Students are assigned to specific sites and attend every week.

**MUSI 4563 CLINICAL PRACTICE IN MUSIC THERAPY (change academic level from 3000 to 4000; change description; prereq)**

This course reviews music therapy in medicine, and presents effective strategies at working with groups in music. It continues to develop interpersonal and clinical skills for music therapists. A weekly two-hour practicum accompanies this course. Prereq: Music Core, Musi 1563, 2573, 3563, 3573, with a C- or better

**MUSI 4570 MUSIC THERAPY PRACTICUM (change academic level from 3000 to 4000; change description - was Musi 2570)**

This practicum is the clinical placement for Musi 4573. Students are assigned to specific sites and attend every week.

**MUSI 4573 PROFESSIONAL ISSUES IN MUSIC THERAPY (change academic level from 3000 to 4000; change description; prereq)**

This course examines the professional and ethical issues of music therapy in its relationship to individuals, institutions, professional associations, and community. In addition, it continues the study music therapy theory, research, and practice. A weekly two-hour practicum accompanies this course. Prereq: Music core, Musi 1563, 2573, 3563, 3573, 4563, with a C- or better.

**MUSI 4673 MOVEMENT AND DANCE THROUGHOUT HISTORY (change in description; title; prereq dropped)**

This is the concluding course in dance for all Vocal Performance majors. The focus will be on periods and genres of dance and movement while incorporating the production needs into the technical skills learned. Prereq: Musi 3673

**MUSI 4683 THE SINGING ACTOR (change description)**

Improvisation, movement and acting exercises, character study, and solo scenes explore the personal potential of the young performer. Excerpts from the historical and contemporary repertoire, as well as original material, emphasize solo performance. Performance(s) will be given at the end of second term. Prereq: Open to vocal performance majors or permission.

[\[Deleted duplicated course descriptions\]](#)

New Program

**Bachelor of Arts with Honours in Music (120h)**

The Bachelor of Arts with Honours in Music degree is designed for students who wish to pursue the academic study of musicology or composition without applied music or performance requirements.

1. Music 1133, 1130L, 1143, 1140L, 1253, 1263, 2133, 2130L, 2143, 2140L, 2163, 2263, 2283, 3203, 4113, 4213 or 4223, 4996 each with C- or better (42h)
2. History 1103, 1113 (6h)
3. 6h English at 1000 level (6h)
4. 21h from 2183, 2193, 3133, 3156, 3163, 3193, 3223, 3233, 3283, 4103, 4123, 4156, 4213, 4223; IDST 3173, 3183, 4173 (24h)
5. 9h additional music (9h)
6. First year music students will take Music 1600. Students in each subsequent academic level will take one section of either Musi 2701 or 2800. Students must successfully complete both the fall and winter terms of each ensemble.
7. 36h non-music, including 12h in one subject above the 1000-level to constitute a minor. Courses for the minor must be completed with a grade of C- or better. (36h)

Program Modification

**Bachelor of Arts in Music (120h)**

1. Music 1133, 1130L, 1143, 1140L, 1253, 1263, 2133, 2130L, 2143, 2140L, 2163, 2263, 2283, 3203 (30h)
2. History 1103, 1113 (6h)
3. 6h English (6h)
4. 30h music electives (30h)
5. 48h from any department or school, including 12h in one subject with 6h above the 1000-level to constitute a minor. Courses for the minor must be completed with a C- or better.
6. First year music students will take Musi 1600. Students in each subsequent academic level will take one section of either Musi 2701 or 2800. Students must successfully complete both the fall and winter terms of each ensemble.

**Bachelor of Music Core (54h + 6h)**

1. Musi 1133, 1130L, 1143, 1140L, 1253, 1263, 1666, 2133, 2130L, 2143, 2140L 2163, 2263, 2283, 2666, 3203. Each of these courses must be completed with a grade of C- or better (42h)
2. 6h Engl at 1000 level (6h)
3. Hist 1103, 1113 (6h)
4. First year music students will take Musi 1600 and one section of either Musi 2701 or 2800. Students in each subsequent academic level will take one section of Musi 2701. Students must successfully complete both the fall and winter terms of each ensemble. (6h or 8h)
5. Music majors must complete Musi 2870, Concert Credit, in each year of their program.

**Bachelor of Music with Concentration in Vocal Performance (126h)**

1. The Bachelor of Music core (54h + 6h)
2. Principal Applied Study Voice 3666 and 4666 (12h)
3. Musi 1363, 3673, 3683, 4363, 4673, 4683, 4943 (21h)
4. 12h music electives (12h)
5. 21h non-music electives (21h)

**Reason:** All Bachelor of Music programs are being revised to reflect the 2006 Academic Program Review of the School of Music which called for curricular renewal.

**Bachelor of Music with Concentration in Musicology (126h)**

1. The Bachelor of Music core (54h + 6h)
2. Music 4113, 4213 or 4223, 4993 (9h)
3. 27h from 2183, 2193, 3133, 3156, 3163, 3193, 3223, 3233, 3283, 4103, 4113, 4123, 4156, 4213, 4223, IDST 3173, 3183, 4173 (27h)
4. 9h music electives (9h)
5. 21h non-music electives. (21h)

**Bachelor of Music with Concentration in Music Education (126h)**

1. Bachelor of Music Core (54h + 6h)
2. Principal Applied Study Musi 3666 and 4666 (12h)

3. 21h non-music electives (21h)

Music Education students will choose one of the following streams:

**Elementary:** Musi 1563, 3143, 3326, 4143, 4153, 4306 and 9h additional music (33h) or;

**Grade 7-12 Instrumental Music Stream:** Musi 1563, 2333, 2343, 3316, 3323, 3333, 4143, 4153, 4343, and 3h additional music (33h) or;

**Grade 7-12 Choral Music Stream:** Musi 1363, 3143, 4143, 4153, 4306, 4343, 4363, and 9h additional music (33h).

**Bachelor of Music with Concentration in Instrumental Performance (126h)**

1. The music core (54h + 6h)
2. Principal Applied Study 3666 and 4666 (12h)
3. One of Musi 3383 or 3393 or instrumental methods (3h)
4. Musi 4943 (3h)
5. 27h music electives. Piano Majors must elect Musi 3693 (27h)
6. 21h non-music electives (21h)

**Bachelor of Music with Concentration in Composition (126h)**

1. Bachelor of Music Core (54h + 6h)
2. Music 2183, 3156, 4156, 4953 (18h)
3. Music 2193, 3133, 3163, 3193, 3223, 3233, 3283, 4103, 4113, 4123, 4213, 4223, IDST 3173, 3183, 4173 (18h).
4. 4173 (18h)
5. 9h music electives
6. 21h non-music electives

**Certificate in Music Therapy (30h)**

Musi 1563, 2573/2570L, 3563/3560L, 3573/3570L, 4563/4560L, 4573/4570L; Psyc 2103, 2113, 2133, and 2153.

Before completion, the student must show proficiency in piano, guitar, percussion, and voice. After finishing this program, the candidate completes a 1000 hour (6 month) supervised internship, and then make a formal application to become Music Therapist Accredited (MTA) with The Canadian Association for Music Therapy.

Program Deletion

**Bachelor of Arts in Music with Concentration in Music Technology**

**Bachelor of Music with Concentration in Singing Theatre**

Political Science (078-50-CRE)

New Course

**POLS 2893 COMPARATIVE POLITICS I**

This course introduces students to the basic methodological concepts and theories used in the evaluation and comparison of political systems. Students will examine the similarities and differences in the political development of different states, focusing on issues of



democracy, authoritarianism, revolution, social movements, and civil society. No prerequisites.

### **POLS 2993 COMPARATIVE POLITICS II**

This course introduces students to concepts and cases in the economic development of states in the developed and developing worlds. Students examine the roots of economic disparity between rich and poor countries and the political and social consequences of different models of economic development as practiced in different countries. No prerequisites.

### **POLS 3513 GENDER AND DEVELOPMENT**

This course explores how ideas about gender have influenced the ways women participate economically, socially, and politically in countries of the developing world and how the women's participation affects the development of these countries. Analysis of theoretical concepts is complemented by case studies from Latin America, South and Southeast Asia, Africa, and the Middle East.

### **POLS 3583 NEW ISSUES IN SECURITY**

The course discusses new concepts and challenges for security. Security now embraces military, environmental, economic, social and political sectors. Securitizing problems such as terrorism, gender, human rights, narcotics trade, organized crime, pandemics, and internet abuse has major consequences for state policies, international relations and international organization.

### **POLS 3783 POP CULTURE AND WORLD POLITICS**

This course explores the inter-text between popular culture (i.e. Film, Music, Television, Performance and Painting) and the study, practice and production of world politics. The course builds on the cultural turn in international relations and develops the importance of aesthetics in appreciation and politicizing contemporary global drama. Prereq: 1403 or permission of the instructor.

### **POLS 4483 POLITICS OF GLOBAL TECHNOLOGIES**

This seminar explores the political issues and implications of new advances in science and technology. Upon classic explorations about the impact of mass media, robotics and nuclear technology on contemporary global politics, specific attention is paid to the impact of cyber-technology, bio-technology, nano-technology on political concepts like war and security, human rights and justice and global governance and democracy. In addition, we ask how the accelerating pace of mass technological life is changing the future of the world as we know it. Prereq: B + in Pols 2683 or 2783 or permission of the instructor.

### **POLS 4693 REPRESENTATION AND REDISTRIBUTION**

This seminar explores contemporary challenges to democratic and democratizing states in the contexts of globalization and multiculturalism. Theoretical analysis concentrates on the changing meaning of democratic representation how these changes have influenced the demands for and distribution of rights and material benefits. Theoretical analysis will be illustrated with case studies from the developed and developing worlds. Prereq: B or better in POLS 2096 or any two Comparative Politics courses.

**POLS 4843 ENVIRONMENTAL POLITICAL THEORY**

This course examines whether or how the values of justice, democracy, and ecological sustainability can be mutually compatible. Competing visions of "the good life," strategies for political change, and conceptions of "nature," are examined in light of contemporary environmental crises. Prereq: Pols 2346 or 2646 with B or higher, or permission of the instructor

**POLS 4883 HUMAN RIGHTS INTERNATIONAL AND COMPARATIVE PERSPECTIVES  
(change description and prereq)**

This course examines what human rights mean, why they matter, and how they have come to influence contemporary global politics. We explore the political, legal and ethical dimensions of human rights standards from a variety of perspectives in Political Science and the subfield of International Relations. Prereq: Pols 2683/2783 with a grade of B or higher or permission of the instructor

**POLS 4893 THEORY AND POLITICS OF CITIZENSHIP**

This seminar course explores questions of what citizenship means, how it develops, and how it is practiced in societies influenced by globalization and multiculturalism. Theoretical debates about the meaning of citizenship will be complemented by case studies of issues such as migration/immigration, multiculturalism in advanced democracies, and national struggles for the rights of women and indigenous peoples. Prereq: B or better in Pols 2096 or any two Comparative Politics courses.

**POLS 4983 THE POLITICS OF ASIA/PACIFIC**

This seminar explores modern and global issues affecting the Asia/Pacific community. The course explores three important analytic frameworks: global/regional, "glocal" and local. The global/regional focus explores institutional governance, security and economics issues before and after the Cold War. The "glocal" focus develops the competing flows that complicate the global/regional framework. The local focus explores how global connections emerge within local events. Prereq: B + in Pols 2683 or 2783 or permission of the instructor.

Course Deletion

POLS 2096 -COMPARATIVE POLITICS  
POLS 3293 JAPANESE POLITICS AND SOCIETY  
POLS 3793 - POLITICS OF THE EUROPEAN UNION  
POLS 4283 CANADIAN FOREIGN POLICY  
POLS 4583 COMPARITIVE FOREIGN POLICY  
POLS 4593 - WOMEN AND POLITICS IN COMPARATIVE PERSPECTIVE  
POLS 4713 - POLITICS OF SOCIAL MOVEMENTS

Course Modification

**POLS 3983 THEORETICAL APPROACHES TO WORLD POLITICS (change in description, academic level from 4000 to 3000; title - was formerly Pols 4383)**

This course covers the key theories of international relations and world politics. Realism, Liberalism, Marxism, Feminism, Constructivism and Post-Structuralism will be explored. Readings will be selected from classic and contemporary writers. Prereq: Pols 2683 or 2783 or permission of the instructor.

**POLS 4883 THE POLITICS OF HUMAN RIGHTS (change in description; title)**

A seminar that explores the political, legal and ethical dimensions of human rights. Students explore contemporary cases by critically engaging a rights based approach to protecting people(s). Contemporary global complexity requires re-engaging the politics that back the universality of Human Rights. As such, heretofore sovereign boundaries between humans, states, citizens and animals will be explored in an attempt to appreciate what Humanity is becoming and therefore what kinds of new political protections are needed. Prereq: B + in Pols 2683 or 2783 or permission of the instructor.

Sociology Department (078-51 -CRE)

New Course

**SOCI 2013 INTRODUCTION TO SOCIAL DATA ANALYSIS**

An introduction to basic skills in quantitative research methods with a focus on descriptives. Students will be introduced to SPSS.

**SOCI 2153 SOCIAL INEQUALITY**

Major theoretical explanations and empirical evidence will be used to explore why there are those who "have" and those who "have-not," in terms of income, wealth, power, and status. Topics may include: the magnitude of social inequality globally and in Canada, trends in social mobility; inequality by sex, race, and other ascribed characteristics; selected consequences of social inequality.

**SOCI 3093 TWENTIETH CENTURY SOCIAL THOUGHT**

An examination of the emergence and development of Western social thought in the twentieth century, in its social and historical context. Topics may include Decadence, Revolutionary Marxism, Fascism, the Cold War, Existentialism, cultural rebellion, Feminism, Black Power, Structuralism, and Post-Modernism. Prereq: Soci2103 or permission of dept.

**SOCI 3163 RESEARCH DESIGN AND ANALYSIS**

Students will design and undertake a social survey and carry out qualitative interviews. Topics covered may include: types of survey designs, sampling, designing questionnaires and qualitative interview schedules, coding, data entry, setting up computer files and doing preliminary data analyses. Prereq: Soci 2003 and Soci 2013 or equivalent; restricted to sociology majors, third year standing.

Course Modification

**SOCI 2003 INTRODUCTION TO SOCIAL RESEARCH (formerly Soci 2006 - split the course in two 3h courses - Soci 2003/2013)**

An introduction to the ways sociologists conduct research. Students will develop an understanding of qualitative and quantitative methodological principles, with an emphasis on qualitative research.

**SOCI 3013 CONTEMPORARY SOCIAL THEORY (change description; prereq)**

A detailed overview of selected debates and theories within present-day sociology. Focus is on late twentieth and twenty-first century social theorists relevant to current social discourse. Prereq: Soci2103 or permission of dept.

**SOCI 3033 THEORIES OF CULTURAL RADICALISM (change description; prereq)**

An examination from a sociological perspective of the origins and expressions of imperatives for social transformation expressed in the theoretical paradigms of anarchist, critical, and humanist traditions. Prereq: Soci2103 or permission of dept.

**SOCI 3043 THEORIES OF DEVELOPMENT AND REVOLUTION (change prereq)**

Marxist theories of revolution which have emerged in the advanced and developing societies, theories of development and underdevelopment, and contemporary social issues in post-revolutionary socialist societies. Prereq: Soci2103 or permission of dept.

Program Modification

**Bachelor of Arts with Honours in Sociology**

6h from Soci 1006, 1106, or two of 1013/1023/1033/1113 (only 6h from 1006/1013/1033; only 6h from 1106/1023/1113); 2003 and 2103; 2103; 3013, one of 3033, 3043, 3053, 3093, Idst 3023; one of 3103, 3113, 3163, 4003; one of 4113, 4123, 4133, 4143, 4153, 4163, 4173, 4183 or 4193; 4996 and 21h additional sociology (57h, no more than 6 hours at the 1000 level)

**Bachelor of Arts with Major in Sociology**

6h from Soci 1006, 1106 or two of 1013/1023/1033/1113 (only 6h from 1006/1013/1033; only 6h from 1106/1023/1113); 2003 and 2103; 2103; one of 3013, 3033, 3043, 3053, 3093 Idst 3023; one of Soci 3103, 3113, 3163; and 21h additional sociology (42h, no more than 6 hours at the 1000 level)

Course deletion

SOCI 2613 PRINCIPLES OF SOCIAL WORK  
SOCI 3063 SYMBOLIC INTERACTIONISM  
SOCI 3153 INTRODUCTION TO SURVEY RESEARCH

**FACULTY OF PURE AND APPLIED SCIENCE**

Biology Department (078-52-CRE)

New Course

**BIOL 4863 WILDLIFE BIOLOGY AND HABITAT MANAGEMENT IN NOVA SCOTIA**

This course examines current approaches to wildlife and habitats management in Nova Scotia's coastal, urban, forested, agricultural, and industrial landscapes by focusing (1): on practices, guidelines, policies and laws and (2): on ecological principles through field labs and lectures, to support problem solving and decision making required for effective wildlife and habitat management. This course will benefit people currently working in resource management who are interested in staying current in wildlife and habitat management.

Course Modification

**BIOL 2813 HUMAN PHYSIOLOGY AND ANATOMY 1 (change in description; prereq; lab removed)**

The basic anatomical and physiological principles of the human body. Major topics covered include: levels of organization, muscle-skeletal systems, neuroanatomy and physiology, and the integument. Prereq: Biol 1123 or 1823

**BIOL 2823 HUMAN PHYSIOLOGY AND ANATOMY 2 (lab removed)**

Major topics covered include the endocrine, cardiovascular, respiratory, urinary, digestive, reproductive systems. Prereq: Biol 2813

**BIOL 4543 ESTUARINE ECOLOGY (change in title)**

The physical, chemical and biological features of estuarine waters. Uses, abuses and rehabilitation of estuaries will be discussed. Field work on nearby estuaries is required. (3h lab) Prereq: Biol 3373 or permission of dept.

Chemistry Department (078-53-CRE)

Course Modification

**CHEM 4723 TOPICS IN BIOCHEMISTRY (change in description; title)**

Specific topics of current interest are discussed in some detail. Possible topics include DNA structure and function with an emphasis on topological implications, enzymology, protein structure/function analysis, and molecular genetics. Emphasis will be on current experimental techniques used in biochemistry. (3h lab) Prereq: Chem 3723

Jodrey School of Computer Science (078-54-CRE)

Course Modification

**COMP 2113 DATA STRUCTURES AND ALGORITHMS (change in prereq)**

Topics include introduction to abstract data specification, implementation and testing, introduction to algorithms and their analysis. Prereq: Comp 2103 and (Math 1323 or 1333 or 1413) all with C- or better

**COMP 2523 E-COMMERCE 2 (change in prereq)**

Topics include security issues, network level security, cryptography, and secure electronic cash, cheques, payments and transactions. Prereq: Comp 1123, Math 1023 or Math 1223, and either Math 1413 or Math 1313, all with C- or better.

**COMP 3343 DATA COMMUNICATIONS AND COMPUTER NETWORKS (change in prereq)**

Topics include theory and applications of data communications systems; language of data, coding for communications, transmission media, error control, channels, modems, communications system design, terminal selection and cost analysis. Prereq: Comp 2213 and (Math 2223 or 2233) with C- or better

**COMP 3503 E-COMMERCE 3 (change in description; prereq)**

Knowledge discovery and data mining. Topics include data warehouses for electronic commerce, tools and techniques for querying, analysing, and mining of data. Prereq: Comp 2523, 3753, Math 1023, and (MATH 1223 or 2223 or 2233) each with C- or better

**COMP 4613 ARTIFICIAL INTELLIGENCE 2 (change in prereq)**

Topics include uncertain knowledge representation and reasoning, machine learning, agent communication, and natural language processing. Prereq: Comp 3613 and (MATH 2223 or 2233) with C- or better

Program Modification

**Jodrey School of Computer Science (addition of High School Mathematics added)**

High school mathematics is an essential prerequisite for a program in Computer Science. However, a student without the prerequisite 60% or better in each of NS Grade 11 and 12 Advanced Mathematics and Pre-calculus can take the equivalent Math 0120 course at Acadia. The student must then proceed to complete Math 1013 and Math 1023 by the end of year two.

**Certificate in Computer Science (30h)**

Comp 1113, 1123, 2103, 2113, 2203, 2213, Math 1413 and 2433, 6h Comp electives at the 2000+ level (except Comp 2903). This program is open only to part-time students.

**Bachelor of Computer Science with Honours**

1. Comp 1113, 1123, 2103, 2113, 2203, 2213, 2663, 2903, 3403, 3343, 3413, 3613, 3703, 3713, 3753, 4223, 4996, and Math 1413 or 1313, and 2433, each with B- or better (60h)
2. 9h Comp at 3000/4000-level, with B- or better
3. Math 1013, 1023, 2213, 2223, and 6h mathematics elective (not 2233 or 2243), each with C- or better (18h)
4. 6h English or one language other than English
5. 9h of courses offered by the Faculty of Arts (not Econ 2613, 2623, or Soci 3103)
6. 12h from the Faculty of Pure and Applied Science (not mathematics or computer science) or from the School of Business Administration
7. 6h of elective courses.
8. A minimum CGPA of 3.0 is required to be eligible to graduate.

**Bachelor of Computer Science with Specialization**

1. Comp 1113, 1123, 2103, 2113, 2203, 2213, 2663, 2903, 3343, 3403, 3613, 3663, 3703, 3713, 3753, 4983, and Math 1413 or 1313, and 2433, each with C- or better (54h)
2. A set of required specialty courses, each completed with a grade of C- or better. The specialties and their required courses, are: Computer Systems: Software Comp 3413, 3773, 4343; 15h Comp at the 3000+ level; and 12h from the Faculty of Pure and Applied Science (not mathematics or computer science) or from the School of Business Administration (36h); or Electronic Commerce: Comp 2513, 2523, 3503, 3513, 4343, 4503, Busi 1703, 2213, 2413, 2053, 2733, 2803 (36h)
3. Math 1013, 1023, 2233, each with C- or better (9h)
4. 6h English or one language other than English
5. 9h of courses from the Faculty of Arts (not Econ 2613, 2623, or Soci 3103).
6. 6h of non-computer science courses
7. A minimum CGPA of 2.00 is required to be eligible to graduate

**Reason: Replacing a math course with statistics and required for our upcoming CIPS accreditation review**

**Bachelor of Computer Science**

1. Comp 1113, 1123, 2103, 2113, 2203, 2213, 2663, 2903, 3343, 3403, 3613, 3703, 3713, 3753, 4983, and Math 1413 or 1313, and 2433, each with C- or better (51h)
2. 12h other Comp, each with C- or better
3. Math 1013, 1023, 2233, each with C- or better (9h)
4. 6h English or one language other than English
5. 9h of courses offered by the Faculty of Arts (not Econ 2613, 2623, or Soci 3103)
6. 12h from the Faculty of Pure and Applied Science (not mathematics or computer science) or from the School of Business Administration
7. The remaining 21h are electives with at most 15h in Comp (21h)
8. A minimum CGPA of 2.00 is required to be eligible to graduate.

**Bachelor of Science with Honours in Computer Science**

Comp 1113, 1123, 2103, 2113, 2213, 2203, 2663, 2903, 3343, 3713, 3753, 4996, Math 1413 or 1313, 2233, 2433, and 12h Comp at the 3000+ level (51h).

**Earth and Environmental Science (078-55-CRE)**

**New Course**

**ENVS 3613 CONTAMINANTS IN THE ENVIRONMENT**

This course will examine the historical release, fate, and risk assessment of chemicals in ecosystems. Lectures will cover: (i) the major classes of chemical contaminants; (ii) factors affecting contaminant fate in ecosystems (iii) methods of ecological risk assessment for contaminants (toxicity, persistence, bioaccumulation, and long range transport). Laboratory exercises will explore methods of assessing contaminant fate. Prereq: Chem 2813 or 2853

Course Modification

**ENVS 4423 SENIOR SEMINAR IN ENVIRONMENTAL SCIENCE (change in title)**

In this course students will be challenged to synthesize the knowledge they have gained from contributing disciplines into an understanding of structures and processes in natural and disturbed environments. The goal will be to refine skills of critical analysis and interpretation of data and relationships among environmental variables and ecological systems.

Course deletion

**GEOL 4333 FACIES MODELS AND BASIN ANALYSIS**

**GEOL 4443 PHYSICAL VOLCANOLOGY**

**GEOL 4903 UNDERGRADUATE SEMINAR**

Program Modification

**Bachelor of Science (Major)**

1. 6h English or one language other than English
2. 6h from the Faculty of Arts (not Econ 2613, 2623, Soci 3103)
3. 6h from either the Faculty of Arts (not Econ 2613, 2623 or Soci 3103) or the Faculty of Professional Studies or 3h from each.
4. 6h in mathematics and statistics
5. 72h additional in subjects in the Faculty of Pure and Applied Science
6. A major is a minimum of 48h with a minor of 12h in another subject; or of 45h with a minor of 15h in another subject, or of 42h with a minor of 18h in another subject, or of 36h with two minors of 18h each in two different subjects. Mathematics and statistics majors may have minors in any subject area but must include at least 6h at the 2000-level]

**Removed: [Exception: Geology majors may offer minors in the following subjects only: biology, chemistry, computer science, engineering, mathematics and statistics, and physics].**

**Bachelor of Science with Honours in Environmental Science**

1. 6h in English or one language other than English
2. 6h from the Faculty of Arts (not Econ 2613, 2623, or Soci 3103)
3. 6h from either the Faculty of Arts (not Econ 2613, 2623, or Soci 3103) or from the Faculty of Professional Studies or 3h from each.
4. 90h to complete science requirements
  - a) Biol 1113, 1123, 2033, and 6h additional biology at or above the 3000 level (15h)
  - b) Chem 1013/1023 or 1113/1123, 2513, 2813 or 2853 (12h)
  - c) Envs 1013, 1023, 3113, 3423, 3523 (or an approved alternative field course), 3613, 4423, 4996 (27h) (Biol 3013 may be used as a free elective)
  - d) Geol 1013, 1023, 2033, 2303, 2703, and 3h additional Geol at or above the 2000 level (18h)



- e) 6h (with lab) additional from Apsc 3413 and/or Chem, or Geol at or above the 2000 level; Biol at or above the 3000 level (6h)
  - f) Math 2233/2243 or 2213/2223 (6h)
  - g) Phys 1013/1023 or 1053/1063 (6h)
5. 12h university electives
  6. 120 hours are required in all. 48h of courses offered to fulfill science requirements 4 (a) through (d) must be completed with a grade of B- or better.
  7. A minimum of 120h must be completed with a program GPA of 3.00 or better.

#### **Bachelor of Science with Major in Environmental Science**

1. 6h in English or one language other than English
2. 6h from the Faculty of Arts (not Econ 2613, 2623, or Soci 3103)
3. 6h from either the Faculty of Arts (not Econ 2613, 2623, or Soci 3103) or from the Faculty of Professional Studies or 3h from each.
4. 87h to complete science requirements
  - a) Biol 1113, 1123, 2033, and 6h additional biology at or above the 3000 level (15h)
  - b) Chem 1013/1023 or 1113/1123, 2513, 2813 or 2853 (12h)
  - c) Envs 1013, 1023, 3113, 3423, 3523 (or an approved alternative field course), 3613, 4013, 4423 (24h) (Biol 3013 may be used as a free elective)
  - d) Geol 1013, 1023, 2033, 2303, 2703, and 3h additional geology at or above the 2000 level (18h)
  - e) 6h (with lab) additional from Apsc 3413 and/or Chem, or Geol at or above the 2000 level; Biol at or above the 3000 level (6h)
  - f) Math 2233/2243 or 2213/2223 (6h)
  - g) Phys 1013/1023 or 1053/1063 (6h)
5. 15h university electives
6. 120 hours are required in all. 72h, including 48h of courses offered to fulfill science requirement 4 (a to d), must be completed with a grade of C- or better.
7. A minimum program GPA of 2.00 is required to be eligible to graduate

**Reason: We are adding one new course - Envs 3613, removing one course from the required courses in the major - Envs 3223 and changing the name of one course - Envs 4423**

#### Mathematics and Statistics (078-56-CRE)

##### New Course

#### **MATH 3343 COMBINATORICS**

The basic concepts and problems in combinatorial analysis, with applications. Topics include enumeration, selections and arrangements, distributions, binomial identities, Stirling numbers, recurrence relations, generating functions, inclusion-exclusion, Polya's theorem, designs.

Prereq: Math 2213.

Course deletion

**MATH 1423 GRAPH THEORY AND MATRIX ALGEBRA**

Course Modification

**MATH 1413 DISCRETE MATHEMATICS AND MATRIX ALGEBRA (change description; title)**

Logic, techniques of proof, mathematical induction, sets, relations and functions, equivalence relations and partial orders, matrix arithmetic, solution of systems of linear equations.

Prereq: NS Grade 11 and 12 Advanced Math and Pre-calculus (or equiv) and computer science enrolment.

**MATH 1503 CONTEMPORARY MATHEMATICAL CONCEPTS (change description)**

This course is designed to give students a measure of insight into modern mathematics, especially those looking forward to a career in elementary education. Topics will include propositional logic, number systems, calculus of sets, solution of equations and inequalities, and geometry. Emphasis is placed on the understanding and use of the various concepts that are introduced. Science students, business students, economics students and mathematics and statistics majors may not receive credit for this course.

**MATH 2013 ADVANCED CALCULUS (calendar description; title; prereq; addition of lab)**

Functions of several variables. Partial differentiation and applications. Vectors in  $R^2$  and  $R^3$ . Multiple and iterated integrals. Polar coordinates, spherical and cylindrical coordinates and multiple integrals. Change of variable in multiple integrals. Vector-valued functions and vector calculus. (3 hr lecture, 1.5 hr studio) Prereq: Math 1023

**MATH 2023 ORDINARY DIFFERENTIAL EQUATIONS I (calendar description; title; prereq; addition of lab)**

First order differential equations, second order differential equations with constant and variable coefficients, introduction to systems of differential equations and phase plane analysis, series solutions, boundary value problems. (3 hr lecture, 1.5 hr studio) Prereq: Math 1023

**Math 2233 STATISTICS FOR LIFE SCIENCES 1 (calendar description; title; prereq)**

Exploratory data analysis, probability, random variables, discrete and continuous distributions, sampling distributions, estimation confidence intervals, hypothesis testing. This course is restricted to students in biology, environmental science, computer science, nutrition, and psychology. (3h lecture, 1.5h studio) Prereq: 60% or better in each of NS Grade 11 and 12 Advanced Math and Pre-calculus (or equiv) OR 60% of better in Math 0120; or 70% in each of NS Grade 11 and 12 Academic Math (or equiv) OR 70% or better in Math 0110 and second year standing or permission from Department Head.

**MATH 2433 GRAPH THEORY AND ALGEBRAIC STRUCTURES (calendar description; title; prereq)**

Graphs and trees with application to computer science, number theory, monoids, semi-groups, groups and homomorphisms with application to computer science, formal languages, finite state automata, and Turing machines. Prereq: Math 1413 or 1313.

**MATH 2753 MULTIVARIATE CALCULUS FOR APPLIED SCIENCE (prereq)**

Topics will include systems of linear equations, matrix algebra, vectors in 2- and 3-space. Functions of several variables, partial derivatives. Vector-valued functions, space curves, arc length, curvature. Multiple and iterated integrals in rectangular, cylindrical, and spherical coordinates. Scalar and vector fields, line integrals, calculus of vector functions. (4.5h lecture) Prereq: Math 1023.

**MATH 3413 NUMERICAL METHODS (prereq)**

Floating point computation, errors and their propagation, linear systems of equations, nonlinear equations, interpolation, numerical differentiation and integration. The solution of mathematical problems on a computer forms an integral part of the course. Prereq: Math 1023 and one of 1323 or 1333 or 1413.

**MATH 3713 ORDINARY DIFFERENTIAL EQUATIONS II (title; prereq)**

Topics include Laplace transforms and applications, systems of linear differential equations, Bessel and gamma functions, Sturm-Liouville problems, orthogonal functions, Fourier series. Prereq: Math 2023 or Math 2723.

Program Modification

Changing ONE line in the **Bachelor of Science with Major in Mathematics and Statistics**

1. Math 1013, 1023, 1313, 1333, 2013, 2023, 2213, 2223, 2313, 3533; 6h additional above the 1000-level or 3h if a 15h Minor is presented; and 12h at the 3000/4000-level approved by the department. (48h)

School of Nutrition and Dietetics (078-57-CRE)

Course Modification

**NUTR 2513 HUMAN NUTRITION 2**

The application of nutrition through the life cycle. Prereq: Nutr 2503

Psychology Department (078-58-CRE)

Course Modification

**PSYC 1013 INTRODUCTORY PSYCHOLOGY: EXPERIMENTAL AREA (change in description; removal of lab)**

An introductory survey of psychology with emphasis on basic processes, including perception, learning, biological bases of behaviour, cognition, and basic research methods.

**PSYC 1023 INTRODUCTORY PSYCHOLOGY: APPLIED AREA (change in description; removal of lab)**

An introductory survey of psychology with emphasis on social psychology, developmental psychology, abnormal behaviour, psychotherapy, personality and assessment. Prereq: Psyc 1013

**PSYC 3053 COGNITION (change description)**

This course will review the theories and methodologies used to study mental processes such as attention, memory, and language. Emphasis is placed on how the brain enables the mind. Laboratory assignments will explore the theories and methodologies, including human electrophysiology, used in studying human cognition. (1.5 h lab) Prereq: Psyc 2023, 2143

**PSYC 3613 PSYCHOLINGUISTICS (change in academic level from 4000 to 3000; change in description)**

This course will examine the psychological and the neurobiological factors responsible for the perception, comprehension, and production of language. We will explore language processes in healthy adults, as well as language acquisition during infancy and childhood. Current theories of language disorders and second language learning will also be discussed. Prereq: Psyc 2153

**FACULTY OF PROFESSIONAL STUDIES**

**School of Recreation Management and Kinesiology (078-59-CRE)**

**New Course**

**KINE 4693 PHYSICAL ACTIVITY & CHRONIC CONDITIONS**

The course examines the psychosocial, physiological and pharmacological considerations important to the promotion of physical activity among individuals living with chronic conditions (e.g., cardiac conditions, diabetes, arthritis, spinal cord injury). Course work is primarily student directed. Students are assessed on their ability to integrate information in summarizing the issues important for exercise promotion for each given population.

**RECR 1233 SUSTAINABLE TOURISM**

Sustainable tourism provides a framework for examining tourism. Topics include tourist behaviour, tourism planning, socio-cultural, marketing, and the role of tourism organizations. Case studies will emphasize both theoretical and applied dimensions of sustainable tourism. (open to non-majors)

**Course Modification**

**KINE 2010 FIRST AID AND CPR (change description)**

Standard First Aid and CPR level C or an approved equivalent must be completed prior to the second year of study. Students must provide a copy of the valid certification to the school by April of their first year in the program.

**KINE 2413 APPLIED HUMAN PHYSIOLOGY 1 (change description and addition of prereq)**

An introduction to human physiology for kinesiology students. This course covers basic physiological concepts and primarily neuromuscular physiology, with an introduction to metabolism, endocrine control of homeostasis and sensory control of movement. Physiological changes over a lifespan will be introduced. The focus of this course is on physical activity and the implications to health and well-being. (1.5h lab) Prereq: Kine 1413, 2010

**KINE 3213 MOTOR LEARNING (change in title)**

An introductory examination of motor skill acquisition; focus on the variables of practice, theories of skill acquisition, feedback, information processing, retention, and transfer, which influence the instruction, learning and performance of motor skills in sport and physical activity programs. (1.5h lab) Prereq: third year standing

**RECR 1163 ENVIRONMENTAL AND SUSTAINABLE SOCIETY (change description)**

This introductory level course is concerned with the wise use of the environment. It explores a range of environmental problems resulting from human activities, concepts for analyzing human impacts on the environment, and strategies for shifting to a sustainable society for individuals, organizations and communities (open to non-majors).

**RECR 1213 FOUNDATIONS OF RECREATION & LEISURE STUDIES (change description; title)**

An introduction to the recreation management program, to the university learning environment, to the discipline of leisure studies, and to the professional practise of recreation management.

**RECR 1223 OUTDOOR RECREATION MANAGEMENT (change description; title)**

This course examines the foundations of outdoor recreation management. Emphasis is placed on the role that outdoor recreation and adventure plays in people's lives and the management challenges inherent in protecting outdoor settings to provide high quality experiences. (open to non-majors)

**RECR 1253 COMMUNITY DEVELOPMENT**

An exploration of the characteristics of healthy communities and models of community building as a means to enhance quality of life for individuals and groups. The course takes a systems approach in providing an overview of the principles and strategies for the assessment and development of community wellness, drawing on examples from geographic communities and communities of interest.

Program Modification

Courses in Leisure Studies Core:

Recr 1213, 1253, 1263, 2013, 2113, 2513, 2523, 3033, 4006, 4033, 4043, 4213, plus 6 hours from Recr 1163, 1223, 1233, 1243 or Kine 2293. (45h)

Course Deletion

**KINE 4053 ORGANIZATION AND ADMINISTRATION OF KINESIOLOGY**

School of Business (078-60-CRE)

Course Modification

**BUSI 3613 BUSINESS LAW (formerly Busi 2613) - change in academic level from 2000 to 3000**

General principles of law followed in business and their application to typical business situations. Emphasis is on the basis of contract law. Prereq: Busi 1703, Comm 1213, Math 1613 or 1013, each with C- or better

**BUSI 2223 MANAGERIAL FINANCE 1 (formerly 3013) change in academic level from 3000 to 2000**

A combination of lecture, case study, group interaction and field research to introduce students to the theory and practice of finance. The course will focus on the basic concepts and frameworks in finance. Topics covered will include: the goals and functions of financial management; financial analysis; financial forecasting; operating and financial leverage; working capital management; and the time value of money. (2h studio) Prereq: Econ 1013, 1023, and 2613, Math 1613 or 1013, each with C- or better and Busi 2013 as a corequisite

**BUSI 2233 MANAGERIAL FINANCE 2 (formerly Busi 3023) change in academic level from 3000 to 2000**

Lectures, case studies, group interaction and field research introduce students to the theory and practice of finance. The course focuses on basic financial concepts and frameworks. Topics include the time value of money; valuation and rates of return; cost of capital; capital budgeting; long-term financing; mergers and reorganizations; mergers; and international financial management. (2h studio) Prereq: Busi 2223 with C- or better

**BUSI 2423 MARKETING PRINCIPLES (formerly Busi 3033) change in academic level from 3000 to 2000**

The basic concepts and principles of marketing as practiced by organizations. The intent is to provide students with an understanding of how the marketing function fits within the overall structure of the organization and how it contributes to achieving the organization's mission. Areas include the marketing environment, marketing research, consumer behaviour, the marketing mix (4P's), segmentation, targeting, positions, and marketing strategy. Prereq: Comm 1213, Econ 1013 and 1023 each with C- or better and Busi 2013 as a corequisite

**BUSI 2433 MARKETING STRATEGY (formerly Busi 3043) change in academic level from 3000 to 2000**

A continuation of Busi 2423 with an emphasis on the application of basic concepts and theories to a variety of marketing issues. The intent of this course is to provide students with a deeper understanding of the process of formulation, implementation, and

management of marketing strategy. Using the case study method, students will gain experience in analysis and decision-making skills. Prereq: Busi 2423 with C- or better

**BUSI 2513 OPERATIONS MANAGEMENT (formerly Busi 3053) change in academic level from 3000 to 2000**

A general management approach to the fundamental aspects of manufacturing and service operations. Decision making in the areas of process selection, capacity analysis, layout, planning and scheduling, job design, quality and inventory control. Prereq: Econ 1013, 1023 and 2613, Math 1613 or 1013, each with C- or better and Busi 2013 as a corequisite

**BUSI 3063 MANAGEMENT SCIENCE (change in prereq)**

An introduction to the quantitative approach to decision making. Topics may include mathematical programming, forecasting, inventory management, simulation and queuing theory. Emphasis is placed on integrating these tools with computer analysis. Prereq: Busi 2153 with C- or better.