

Office of the Senate Secretariat

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1 December 2004

Dear Member of Senate:

I advise you that a meeting (which will include a Senators' In-Service) of the Senate of Acadia University will occur at **9:30 a.m. to 12:00 noon, followed by lunch on Monday, 13 December 2004 in Wheelock Hall's Dining Room "B"**. The AGENDA follows:

- 1) Minutes of the Meeting of 8 November 2004
- 2) Announcements and Communications
- 3) Business Arising from the Minutes
 - a) Reactivating Fall Convocation at Acadia University **(045-05-VPA)**
- 4) New Business
 - a) Acadia Divinity College-Curriculum Changes **(045-06-DIV) ***
 - b) Professor Emeritus Standing Guidelines **(045-07-HOD) ***
 - c) 2003-2004 Annual Reports from Senate Committees **(034-56-REP)**
 - (i) Scholarships, Prizes, and Awards *
 - d) TIE Committee - 2005-2006 Calendar Dates **(045-08-TIE) ***
 - e) Curriculum Committee -English **(045-09-CRE) ***
(Late additions to original agenda)
 - History and Classics **(045-10-CRE) ***
 - Music **(045-11-CRE) ***
 - Philosophy **(045-12-CRE) ***
 - Biology **(045-13-CRE) ***
 - Computer Science **(045-14-CRE) ***

- Chemistry (045-15-CRE) *
- Mathematics and Statistics (045-16-CRE) *
- Physics (045-17-CRE) *
- Business Administration (045-18-CRE) *
- Recreation Management and Kinesiology (045-19-CRE) *
- Education (045-20-CRE) *

5) Other Business

Yours sincerely,

Rosemary Jotcham
Registrar and Secretary of Senate

* Material Attached

Recommendations from Acadia Divinity College Senate to Acadia University Senate

Motions relating to the Master of Arts (Theology)

November 1, 2004

#1. IDST 7053 METHODS OF RESEARCH be renamed to IDST 7053 METHODS OF RESEARCH I. *The course will help the student to understand the nature of research and the patterns of research procedures and to practice the appropriate skills by presenting papers for analysis and discussion. (The course is required for the first year of an M.A. (Theology) program.)*

#2. IDST 7063 METHODS OF RESEARCH II be created. *Building upon IDST 7053 students will pursue more advanced research and practice the appropriate skills by presenting papers for analysis and discussion. PREREQUISITE: IDST 7053. (The course is required for the second year of an M.A. (Theology) program.)*

#3. The M.A. (Theology) have a requirement of 48 hours of courses plus a thesis.
(Note: This is a reduction of 6 hours from the present requirements.)

#4. The Biblical Studies major in M.A. (Theology) require either Church History or Theology.
(Note: Students have very few electives for they must take at least 15 hours of Biblical languages and, with the addition of the methods courses, need to be able to take more courses in their major.)

#5. The M. A. (Theology) degree have two options:
a. a major which requires 48 hours of courses plus a thesis; or
b. a non major requiring 60 hours of courses.

(Note: Option b will usually be understood to be a general degree and not meant to open areas of specialization and would be comparable to a Masters in Christian Studies offered at other schools.)

#6. That students who have a Master of Divinity degree from an accredited theological school or an appropriate honours degree from a recognized undergraduate program may apply to complete a M.A. (Theology) in a minimum of one year of study, with 18 credit hours of courses plus a thesis. This assumes that, in the M. Div. or Honours B. A., all the required core courses have been covered.
(Note: This is a reduction of six hours to bring it in line with #3 above.)

Motion for Senate

It is moved by Darlene Brodeur and seconded by Antonio Franceschet:

Whereas the Senate of Acadia University has the right and duty to establish policy regarding professor emeritus standing and also has the authority to grant such standing;

Whereas Senate's work is served best by conditions of transparency and accountability;

Whereas the awarding of such honours is one way in which the Senate and University speak publicly about the quality of its teaching and research;

And,

| *Whereas there has been an apparent dearth of awards of professor emeritus in the past decade;*

Be it resolved:

That the Honorary Degrees committee review, in part by canvassing the opinions of Senators, the procedures, criteria, and indicators employed in assessing candidates for professor emeritus standing;

And,

Be it resolved further:

That the Honorary Degrees Committee present to Senate at its February 2005 meeting a motion that reflects the outcomes of this review, including a proposal related to procedures, criteria, and indicators, for approval by Senate.

ACADIA UNIVERSITY

Report of the SCHOLARSHIPS, PRIZES AND AWARDS COMMITTEE (SPAC) to SENATE

REPORT DATE: November 17, 2004

SPAC COMMITTEE MEMBERS

July 1, 2003 - June 30, 2004

Faculty of Arts:

Christoph Both
Bernard Delpeche
Stephen Sansonetti (student rep)

Faculty of Professional Studies:

Janna Wentzell
Walter Isenor (Committee Chairperson)
Devika Gibbons (student rep)

Faculty of Pure and Applied Science:

Andrew Mitchell
Rodger Evans
Duncan MacDonald (student rep)

Paula Cook - Provost (now VP - Student Affairs)
Pamela D'Entremont - Financial Aid (Committee Secretary)

July 1, 2004 - June 30, 2005

Committee members will be the same as those indicated above with the following exceptions:

Alysson Nolan will be replacing Stephen Sansonetti
Ashley Buote will be replacing Devika Gibbons
Matthew Murphy will be replacing Duncan MacDonald

PURPOSE AND DUTIES OF COMMITTEE

1. To determine how winners of scholarships, prizes and awards are to be selected and to gather all information it considers necessary for the selection;
2. To select the winners of all undergraduate scholarships, prizes and awards;
3. To periodically investigate the scholarships, prizes and awards program and to recommend improvements (increased funds, new scholarships, more prizes, etc.) to those involved in the program;
4. To promote interest in the scholarship program by posters, letters and other means;
5. To consider such other matters as the Senate may from time to time entrust to the Committee.

MEETINGS DATES

January 23, 2004
April 3, 2004

AGENDAS, DISCUSSIONS and CONCLUSIONS

The following represents the main agenda topics:

1. Entrance Scholarship Acceptance Results

The acceptance results of the scholarship packages offered to 2003 entrance students were reviewed.

2. Monies Available for Scholarships

The amount of funds available for entrance scholarships was reviewed and the need for a new fund raising drive was identified.

3. Student Terms on Committee

The term for each student on the Committee is currently one year. To have some continuity in terms of the student members, the Committee requested the Student Council select students for a longer term.

4. Scholarship Ceilings

No change was made to the ceiling for returning students as it is tied to tuition and no change was made to the \$10,000 scholarship ceiling for entering students.

5. Awarding of 2004 Entrance Scholarships

Approximately \$506,500 (consisting of \$190,400 renewable monies and \$316,100 non-renewable monies) in entrance scholarships were offered to 90 students based upon selection procedures agreed upon by the Committee. This figure represents first year value. The total program value would be \$1,077,700. The Committee assumed an acceptance rate of approximately 50% based on prior years' experience. An additional 42 offers totaling \$177,275 (consisting of \$25,500 renewable monies and \$151,775 non-renewable monies) in entrance departmental scholarships, scholar-bursaries, and awards were also made. This figure represents first year value. The total program value would be \$253,775.

Respectfully submitted,

ORIGINAL SIGNED

Pamela D'Entremont
Secretary

Calendar Dates for the 2005-2006 Academic Year – Draft November 22, 2004

2005	
July 4	Classes begin – Intersession 2 (Summer)
July 6	Last day for course additions
July 15	Last day to request oral defense of masters theses
July 22 & August 12	Examinations – Intersession 2
July 29	Last day to apply to graduate at fall graduation
August 5	Last day for masters’ oral exams for fall graduation
August 22	Last day to submit honours thesis
September 1- 3	Welcome Week Activities begin for International Students
September 3	Residences open (for all first-year students) / Welcome Week Activities (full schedule for all first-years)
September 5	Residences open – returning students
September 6	Graduate student registration / Welcome Week ends
September 7 (Wed.)	Classes begin - fall term
September 9	Deadline for approved masters' theses for fall graduation
September 13	Honours theses deadline for fall graduation
September 13	Fee deadline
September 16	Last day for course additions
September 30	Last day to opt out of ASU Health Plan or add dependents
October 4	Faculty meeting to approve fall graduates
October 7	Last day to decrease Meal Plan for Fall Term
October 10	Thanksgiving Day - no classes
October 11	Senate meeting to approve fall graduates
October 15	Homecoming
October 26	Last day to drop 3h first term courses without academic penalty
November 11	Remembrance Day - no classes
December 1	Last day of classes before exams
December 2 & 3	Study day
December 5	Examinations begin - fall term
December 9	Last day to apply for Spring graduation 2005

December 16	Last day of practicum for BEd students
December 19	Last day of examinations - fall term
December 20	Residences close at 12:00 noon
2006	
January 6 & 7	International Student Orientation
January 8	Residences open
January 9	Classes begin - winter term
January 17	Fee deadline
January 19	Last day for course additions Last day to drop full year courses without academic penalty
January 30	Last day to decrease Meal Plan for Winter Term
January 30	Last day to opt out of ASU Health Plan or add dependents – Winter Term students
February 20-24	Study week
March 3	Last day to drop winter term courses without academic penalty
March 9	Last day to request oral defense of Masters theses
March 22	Honours theses deadline for Spring convocation
April 5	Last day for masters' oral examinations
April 7	Last day of classes before exams
April 8 & 10	Study day
April 11	Examinations begin – winter term
April 14	Good Friday – no exams
April 19	Deadline for approved Masters' theses for spring convocation
April 21	Deadline for registration for spring courses
April 25	Last day of examinations – winter term
April 26	Residences close at 12:00 noon
April 28	Last day of practicum for BEd students
April 28	Last day to receive completed honours theses for spring convocation
May 8	Classes begin - Intersession 1 (Spring)
May 14	Baccalaureate service
May 14, 15	Spring Convocation
May 22	Victoria Day - no classes
May 26 and June 16	Examinations – Intersession 1 (Spring)

June 16	Deadline for registration for summer courses
July 3	Classes begin - Intersession 2 (Summer)
July 21 and Aug 11	Examinations – Intersession 2 (Summer)
August 11	Classes end - Intersession 2 (Summer)

Curriculum Committee Submissions for Senate's December 2004 Meeting

The Senate Curriculum Committee moves that the following changes be adopted.

Rosemary Jotcham, Chair
December 2004

FACULTY OF ARTS

**Department of English (045-09-CRE)
New Courses**

IDST 1103 Hypermedia Theory and Practice

In this course students will be introduced to the history behind and the theories that underlie networked communication and hypertextual practice. Students can expect to study the history of the internet and its corollary technologies, theories of typography, colour, and image, and to employ what they learn in practical applications.

THEA 3133 Playwriting

This course introduces the student to the principles of playwriting through an analysis of plays in various genres and the use of texts on dramatic theory. Students will work on writing projects assigned by the instructor, and are expected to submit proposals to Minifest. Class work and the completion of a short play determine the student's mark in the course.

Prereq: Thea 2883/2893 (can be taken concurrently), and Thea 1483/1493 OR Thea 1006; non-majors, Engl 1406 or 1413/1423, Engl 3883/3893 (can be taken concurrently)

THEA 3243 Dramaturgy

The processes and functions of dramaturgy will be examined in both a practical and theoretical context. Students will learn how to apply critical discourse to text analysis, performance and theatre systems in a manner which reflects the practical needs and working etiquette of the theatre. Dramaturges will be assigned to work in the Acadia Theatre Company's productions.

Prereq: Thea 1483/1493 or Thea 1006; for non-majors, Engl 1406 or 1413/1423

Department of History and Classics (045-10-CRE)

New Courses

CLAS 1503 Introduction to Archaeology

An introduction to the history of archaeological exploration in the Ancient Near East, Greece and Italy with an emphasis on the development of archaeological methodology and theory.

CLAS 3443 Roman Women and the Family

Focusing on the lives of Roman women through a critical examination of the ancient literary, art historical and epigraphic records, this course considers women in all socioeconomic classes and introduces students to the gender system and realities of Roman society.

HIST 2713 The Birth of Europe, 300-1000 A.D.

A study of the Christianisation, decline and fall of Rome; emergence of Germanic states; early Byzantine Empire; rise of Islam; nature and impact of monasticism; Carolingian Empire; Viking invasions; emergence of feudalism and manorialism; and the fusion of the Classical, Christian and Germanic traditions.

HIST 2723 Medieval Europe: Gateway to the Modern World, 900-1500 A.D.

A study of the maturing and decline of Medieval civilization in all its aspects: political, economic, social, religious, ecclesiastical, cultural and educational. Specific topics to be covered include the Crusades, the Black Death, the Hundred Years' War, the Great Schism and late Medieval heresies.

HIST 2753 Africa and the World

An introduction to African history, investigating historical debates upon the significance of Africans in human cultural development, ancient and medieval civilizations, and modern global society and economy. Topics include ancient North Africa and Egypt, expansion of Niger-Congo and Bantu cultures, formation of Islamic Empires, and assessing Africa's place in the world during the Atlantic Slave Trade.

HIST 3613 Making Canada: A Nation of Immigrants

Since the time of first contact, Canada has been peopled by diverse groups of newcomers whose expectations of their new land were often at odds with their settlement experience. This course looks at a variety of immigrant groups, examining their efforts to settle here, and the ways 'Canadian' society and culture were transformed by their presence.

HIST 3623 Cold War Canada: at Home in Suburbia

This course will explore the domestic experience of Canadians during the early Cold War period and links between the political, social, gender, and sexual history of post-war Canadian society. Topics include the baby boom, growth of cities and suburbs, ethnic diversity, changes in family relationships and sexual attitudes, and youth culture and the mass media, most notably television.

Course modification

**IDST 2923 Chinese Society and Civilization 2 becomes
HIST 3563 Modern China: Opium Wars To Tiananmen**

An analysis of the changes China has experienced since the mid-19th century. Emphasis is on the collapse of traditional order and the search for new political, social and cultural forms.

**HIST 1313 Pre-Confederation Canada becomes
HIST 2773 Pre-Confederation Canada**

An introduction to Canadian history focusing on Aboriginal societies, New France and British North America to 1867. In addition to general knowledge of Canadian history, students will be introduced to the variety of historical theories and methodologies that characterize the field. No prereq.

**HIST 1323 Canada Since 1867 becomes
HIST 2783 Canada Since 1867**

A survey of Canadian history since Confederation, focusing on the political, economic, and social developments in the modern age. In addition to general knowledge of Canadian history, students will be introduced to the variety of historical theories and methodologies that characterize the field. No prereq.

**HIST 2223 Non-Western History to 1800 becomes
HIST 1223 Non-Western History to 1500**

This course explores the histories of traditional societies of the non-Western world prior to the European "Age of Discovery." Attention is paid to the civilizations of South/East Asia, Africa, Central/South America. Topics include religions and cultures of the non-Western world; ancient and medieval India; Imperial China, Japan; trading empires of Sudan, Sahara; Maya, Incas, Aztecs.

HIST 2233 Non-Western History Since 1800 becomes

HIST 1233 Non-Western History Since 1500

This course surveys the integration of the non-Western world into the modern world through the forces of imperialism, colonialism, and economic development. Particular attention will be paid to the emergence of modern nation-states in South and East Asia, Africa, and Latin America during the twentieth century.

HIST 2303 United States to 1865 becomes

HIST 2303 American Republic: Its Founding and Fracturing

This course will examine the forging of the United States in revolution and slavery. While exploring the Puritan settlements, the movement toward independence, and the expansion of democracy in the nineteenth century, close attention will be paid to the contradiction between American liberty and slavery. This course culminates in the Civil War and Reconstruction. No prereq.

HIST 2313 United States Since 1865 becomes

HIST 2313 Promise of Modern America

This course examines the American encounter with industrialization, imperial expansion, racial conflict, and social upheaval in the twentieth century. Exploring the 1880s to 1980s, students will consider the ways in which Americans struggled to expand democratic freedoms at the same time that the nation became a world superpower. The Civil Rights Movement, Cold War, the tragedy of Vietnam figure prominently. No prereq.

HIST 3146 Victorian England becomes

HIST 3146 Making Britain Modern: From the Industrial Revolution to World War I

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

HIST 3313 American Culture and Society After 1930 becomes

HIST 3316 America in the Modern Era

Exploring the cultural and social history of the United States from the Jazz Age to the New Gilded Age of the 1990s, topics include the gangster and American Culture, New Deal, Cold War, McCarthyism, struggle for black equality, labor movement, Vietnam, and the 1960s. Students will derive a solid sense of how the United States became the country it is.

Program modification

Hist 2903 The Study of History, Hist 4913 Historical Investigation 1, and Hist 4923 Historical Investigation 2, all of which were requirements for majors, are being dropped. Students majoring in History will be required to take an additional 6 hours at the 3000-level. Hist 2223 and 2233 Non-Western History have been moved to the 1000-level and Hist 1313 and 1323 Canada have been moved to the 2000-level.

Bachelor of Arts with Honours in History

60h in history including Hist 1106, 2773, 2783, 6h from Hist 1223, 1233, Idst 1113, 1123; 18h at the 3000-level; 18h at the 4000-level and including 4903 and 4996.

Bachelor of Arts with Major in History

48h in history including Hist 1106, 2773, 2783, 6h from Hist 1223, 1233, Idst 1113, 1123; 18h at the 3000-level.

Courses deleted

Clas 3213 Ancient Greek Religion

Clas 3223 Ancient Roman Religion
Hist 2116 Medieval Europe
Hist 2383 Slavery, the Civil War, and Reconstruction
Hist 2903 The Study of History
Hist 4913 Historical Investigation 1
Hist 4923 Historical Investigation 2

School of Music (045-11-CRE)

The proposed revisions to the BM with concentration in Music Theatre have been recommended by the English Department to facilitate participation of music majors in Theatre Studies courses.

Bachelor of Music with Concentration in Music Theatre (128h)

Removal of Thea 1006 and enter Thea 1483, 1493

1. d) Thea 1483, 1493, 2856, 2823, plus 6h Thea or theatre-related English courses and 6h from arts or science (27h)

Department of Philosophy (045-12-CRE)

New Course

PHIL 3203 Justice and Law: Rights, Laws and Judges

This course explores the question of constitutional rights. What rights should our constitution provide? Can constitutional provisions be given a strict legal interpretation, or does constitutional interpretation require judges to apply their own moral beliefs? Should unelected judges have the authority to strike down legislation just because, in their view, it violates rights such as freedom of expression and equality?

Prereq:one year of university study

Course modification

PHIL 3213 Justice and Law: Private Law (course description, title)

This course is a philosophical treatment of issues in the private law of tort and contract. Tort law is concerned with personal injury. Is fault the right way of looking at this issue? Perhaps a robust form of social insurance provides a better approach to injuries. Moreover, what contracts count as fair? When should contracts be reversed by the courts?

Prereq:one year of university study.

Program Modification

We are proposing a change to the list of required philosophy courses for the Bachelor of Arts with Major in Philosophy. There is no change to the total number of credit hours required.

Bachelor of Arts with Major in Philosophy

6h of Phil at the 1000-level; 2006 or both 3513 and 3533; 2016; 2813 or 2823; 2913; 6h from among 2303, 2306, 2713, 3203, 3213; and an additional 12h of Phil which must include 6h at the 3000-level (42h). Second majors may take a 36h major comprising 6h of Phil at the 1000-level; 2006 or both 3513 and 3533; 2016; 6h from among 2303, 2306, 2713, 3203, 3213; and an additional 12h of Phil which must include 6h at the 3000-level (36h).

Deleted courses

PHIL 3883 The Ethics of Caring

FACULTY OF PURE AND APPLIED SCIENCE

Department of Biology (045-13-CRE)

Course modification

BIOL 2013 Cell Biology (prerequisite)

An introduction to the principles of cell biology with an emphasis on the organization of cells and the structure and function of cellular constituents. (3h lab)

Prereq: Biol 1113/1123 or 1813 and Chem 1023

BIOL 2023 Principles of Heredity (prerequisite)

Concepts of genetics, including recombinant DNA techniques, and their application to biological problems, medicine, medicine and agriculture. (3h lab)

Prereq: Biol 1113/1123 or 1813

BIOL 2813 Human Physiology and Anatomy 1 (prerequisite)

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. (3h lab)

Prereq: Biol 1123 or 1823

Jodrey School of Computer Science (045-14-CRE)

New course

COMP 4503 Semantic Web

Topics include the support for and use of semantics in effective and intelligent ways of managing information and supporting applications on the Web.

Prereq: Comp 3503 with C- or better, or permission of School

Course modification

COMP 2113 Data Structures and Algorithms (prerequisite)

Topics include introduction to abstract data specification, implementation and testing, introduction to algorithms and their analysis.

Prereq: Comp 2103 and either Math 1323, Math 1333, or Math 1423, all with C- or better

COMP 2203 Comp Architecture and Organization 1 (also APSC 2233) prerequisite

Topics include digital logic and digital systems, machine level representation of data, assembly level organization and architecture. Lecture and lab.

Prereq: 6h of mathematics

COMP 2523 E-COMMERCE 2 (prerequisite)

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 1423, Math 1313 and 1323, or Math 1313 and 1333, all with C- or better

COMP 3503 E-COMMERCE 3 (prerequisite)

Topics include detailed study of the design and architecture of databases and data warehouses for electronic commerce, tools and techniques for querying, analysing, and mining the data.

Prereq: Comp 2523, 3753, Math 1023, each with C- or better

Course deleted

COMP 2613 Data Processing

Program Modification

School of Computer Science

Remove the specialization in Business Information Processing.

Remove (page 51) Business Information Processing: Comp 2613, 3513, one of 3773, 3783 or 4343; 6h Comp at 3000+ level; Busi 1703, 2053, 2803, 3063, two of 2823, 3813, 4883, or 4893; 3h elective (36h)

Replace BCS Electronic Commerce Specialization requirement COMP 4923 with 4503 (page 51) Electronic Commerce: COMP 2513, 2523, 3503, 3513, 4343, 4503

Change BCS with Honours (change Math 2413 requirement to Math 3413)

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, 1423 and 2433, each with B- or better (63h)
2. 9h Comp at 3000/4000-level, with B- or better
3. Math 1013, 1023, 3413, and 6h mathematics elective (not 2233 or 2243), each with C- or better (15h)

Change Bachelor of Computer Science with Specialization in Electronic Commerce BUSI 1413 requirement to BUSI 2733.

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, 1423 and 2433, each with C- or better (57h)
2. A set of required specialty courses, each completed with a grade of C- or better. The specialties and their required courses, are: Business Information Processing: Comp 2613, 3513, one of 3773, 3783 or 4343; 6h Comp at 3000+ level; Busi 1703, 2053, 2803, 3063, two of 2823, 3813, 4883, or 4893; 3h elective (36h); 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, 4923, Busi 1703, 2213, 2413, 2053, 2733, 2803 (36h)

Department of Chemistry (045-15-CRE)

CHEM 2813 Analytical Chemistry 1 (course description)

An introduction to chemical analysis: Classical wet chemical methods, basic UV-VIS spectrometry and introduction to chromatography. (3h lab)

Prereq: Chem 1023 or 1123 with C- or better

CHEM 3823 Analytical Chemistry 2 (course description)

Overview of instrumental methods of analysis: Modern molecular and atomic spectrometry, gas and liquid chromatography. (3h lab)

Prereq: Chem 2813 and Phys 1023 (or Phys 1063) with grade C- or better, or permission of the department

CHEM 4803 Analytical Chemistry 3 (course description)

Advanced chemical instrumentation: Experimental data acquisition and conditioning. Selected electroanalytical, mass spectrometric and surface analytical methods. (3h lab)

Prereq: Chem 3823 with grade C- or better, or permission of the department

CHEM 4823 Analytical Chemistry 4 (course description)

Applications of analytical chemistry in elucidating the chemistry of the natural environment with an emphasis on current environmental issues. The course will focus on the role of analytical chemistry in studying the chemical composition of the natural environment and the cycling of natural and anthropogenic chemicals.
Prereq: Chem 3823 with grade C- or better, or permission of the department

Department of Mathematics and Statistics (045-16-CRE)

New course

MATH 1333 Introduction to Linear Algebra

Matrices, vectors in two and three dimension, systems of linear equations, row reduction and echelon forms, elementary matrices, LU decomposition, linear independence and span, linear transformations, determinants and multilinear functions, vector spaces and subspaces, eigenvectors, the characteristic polynomial, applications.

Prereq: NS Grade 11 and 12 Advanced Math and Pre-calculus (or equiv) OR Math 0120

Course modification

MATH 3273 Design and Analysis of Experiments (title and description)

Single and multi-factor analysis of variance, fixed and random effects models, analysis of co-variance, experimental design, including randomized block designs, balanced incomplete block designs, and factorial designs. Other topics may include repeated measures, split plot designs, response surface models, and fractional factorial designs.

Prereq: Math 2223 with a minimum of C-.

MATH 2433 Algebraic Structures (prerequisite)

Boolean algebra and computer logic, monoids, semi-groups, groups and homomorphisms with application to computer science, finite state automata, Turing machines, and complexity considerations.

Prereq: Math 1423 or 1313 and 1323 or 1333

MATH 2313 Linear Algebra 2 (title, prerequisite)

Vector spaces. Linear independence, basis and dimension. Change of basis. Inner product spaces. Linear transformations. Eigenvalues and eigenvectors. Diagonalization. Quadratic forms. Cayley-Hamilton Theorem Applications.

Prereq: Math 1323 or 1333

Program Modification

Bachelor of Science in Mathematics and Statistics in Business

Delete Busi 1413 from the BSC in Mathematics and Statistics in Business

Change "... 6h at the 3000/4000 level" in business courses to 9h at the 3000/4000 level

Bachelor of Science with Honours in Mathematics and Statistics

1. Math 1013, 1023, 1313, 1333, 2013, 2023, 2213, 2223, 2313, 3533; one of Math 3213 or 3303; Math 4996 and at least 15h additional at the 3000/4000-level, of which 6h must be at the 4000 level, or Math 4913 and at least 18h additional at the 3000/4000-level, of which 6h must be at the 4000 level, each completed with a minimum grade of B-. The 4000-level courses are to be approved by the department (54h)
2. One of Comp 1113 or Apsc 1413 (3h)

Bachelor of Science with Major in Mathematics and Statistics

1. Math 1013, 1023, 1313, ,1333 2013 or 2713, 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)
2. One of Comp 1113 or Apsc 1413 (3h)

Bachelor of Science in Mathematics and Statistics with Business

1. Math 1013, 1023, 1313, 1333 2013, 2023, 2213, 2223, 2313, 3603, 3633, two of 3233, 3253, 3263, 3273, 3283, or 3293, and at least 3h additional Math at the 3000/4000-level approved by the department. (42h)
2. Busi 1013, 1413, 1703, 2013, 2733, 3013, 3023, 3033, 3043, 3053, 3063, 3313 and 6h at the 3000/4000-level (42h)
3. One of Comp 1113 or Apsc 1413 (3h)
4. Econ 1013 and 1023 (6h)

Bachelor of Science in Mathematics and Statistics with Economics

1. Math 1013, 1023, 1313, ,1333 2013, 2023, 2213, 2223, 2313, 3233; two of 3263, 3273, 3283, 3293, 3603, or 3713; and at least 6h additional mathematics and statistics at the 3000/4000-level approved by the dept (42h)
2. Econ 1013, 1023, 2113, 2213, 3113, 3123, 4613, 4623 and 12h at the 3000/4000-level approved by the economics department (36h)
3. One of Comp 1113 or Apsc 1413 (3h)

Bachelor of Science in Mathematics and Statistics with Computer Science

1. Math 1013, 1023, 1313,1333 2013, 2023, 2213, 2223, 2313, 2433, 3303 or 3533, 3413, 4423, and 3h additional at the 3000/4000- level approved by the dept. (42h)
2. Comp 1113, 1123, 2103, 2113, 2203, 2213, 3413, 3613, 3713, 3753, and 9h additional at the 3000+ level approved by the Jodrey School of Computer Science (39h)
3. Bachelor of Science in Mathematics and Statistics with Music
4. Math 1013, 1023, 1313, ,1333 2013, 2023, 2213, 2223, 2313, and 15h additional at the 3000/4000 level (42h)
5. Comp 1113 or Apsc 1413 (3h)
6. The music core (39h + 8h), which will include the following: Musi 1112, 1122, 1133, 1143, 1161, 1171, 1253, 1263, 2113, 2123, 2133, 2143, 2163, 2263, 2283, 4123 (39h)
7. Two consecutive 6h courses in principal applied study (12h)
8. One of Musi 2223, 2233, 2243, 2253, 2273, 4213, 4223 (3h)
9. Eight consecutive music ensemble courses (8h) in addition to the normal 120h credits

Bachelor of Science in Mathematics and Statistics with Applied Science

1. Mathematics and Statistics as first major: Math 1013, 1023, 1313, ,1333 2013, 2023, 2213, 2223, 2313; and 15h additional at 3000/4000 level (42h)
2. 33h of applied science to be chosen at the direction of the School of Engineering (33h)
3. Phys 1013, Chem 1013 (6h)

Students wishing to complete the Certificate of Applied Science should consult with the School of Engineering concerning their selection of additional courses.

Bachelor of Science with Double Major:

1. Mathematics and Statistics as first major: Math 1013, 1023, 1313, 1333 2013, 2023, 2213, 2223, 2313; 15h additional at the 3000/4000 level (42h); one of Comp 1113 or Apsc 1413 (3h)
2. Mathematics and Statistics as second major: Math 1013, 1023, 1323 or 1333, 2013/2023 or 2723/2753, 2213, 2223, 2313; 12h additional at 3000 level or above (36h). The choice of 2013/2023 or 2723/2753 and the choices of 3000/4000 level courses must be approved by both departments.

FROM PAGE 132:

- Credit can be obtained for only one of Math 1313, 1413 and 1503; or Math 1323 and 1333; or Math 2013 and 2753; or Math 2023 and 2723, or Math 2213 and 2253.
- Credit can be obtained for only one of Math 1013 and 1613; however students who have taken Math 1613 and are subsequently transferring to a Math/Stats major, may use this course as a science elective.
- Credit can be obtained for only one of Math 1213/1223, Math 2213/2223, Math 2233/2243, and Econ 2613/2623; however students who have taken Math 1213/1223 or 2233/2243 and are subsequently transferring to the Math/ Stats major, may use these courses as science electives.

Department of Physics (045-17-CRE)

Program modification

Replace Chemistry requirement with one of Chemistry or Applied Science

(pg. 49 – Physics core) Phys 1013 or 1053/1063, 1023, 2113, 2203, 2213, 2413, 2523, 3253, and 3613. Phys 1053/1063, 1513/1523, 1543 and 1553 may not be offered to fulfil major requirements. Students must offer a minimum of Math 1013, 1023, 2723, 2753, and Chem 1013/1023 or Chem 1113/1123 or Apsc 1413/2613 (6h).

(Pg 50 – Bachelor of Science with Double Major)

1. “Physics as first major: Phys 1013 or 1053/1063, 1023, 2113, 2203, 2213, 2413, 2523, 3253, 3613, 9h additional physics; math 1013/1023, 2723/2753 or 2013/2023 (12h); Chem 1013/1023 or Chem 1113/1123 or Apsc 1413/2613 (6h)”

Nutrition and Dietetics

Program modification

Bachelor of Science in Nutrition (kinesiology option)

1. The nutrition core (60h)
2. Kine 2033, 2493, 3013, 3343, and 12h Kine electives (other than Kine 2413, 2423) (24h)
3. Biol 2813, 2823 OR Kine 2413, 2423; Chem 3723; Math 2233, 2243; Nutr 3513, 4523, 4533, 6h Nutr electives (30h)
4. 6h university elective

FACULTY OF PROFESSIONAL STUDIES

School of Business Administration (045-18-CRE)

Course modification

BUSI 1703 INTRODUCTION TO BUSINESS (calendar description)

Introduces students to the various structures of business, industry, and organizations, the influence of external factors on organizations, the interrelationship with society, the functional areas of business, and the role of managers. This is done from an historical perspective, understanding how business and our market system have developed over time, and how philosophies and ideologies have influenced businesses development.

BUSI 4953 BUSINESS AND CORPORATE STRATEGY (calendar description, add lab)

This course establishes a foundation in the area of strategy formulation, implementation and analysis. Students learn from visiting business executives, undertake industry analyses, construct industry value chains, examine mergers and acquisitions, conduct SWOT and scenario analyses, search out new disruptive technologies and use other analytical approaches while profiling the formal strategies of major public companies. (2h Studio)

BUSI 1013 FINANCIAL ACCOUNTING 1 (prerequisite)

Introduction to financial statements from the user's perspective. Students learn how to read and analyze the income statement, balance sheet and cash flow statement.

BUSI 2733 ORGANIZATIONAL BEHAVIOUR 1 (prerequisite)

The behaviour of individuals and groups in organizational settings. The effects of personality, perception, learning and motivation on individual performance. The interaction between individual determinants of behaviour and group dynamics.

Prereq: Busi 1703 and Comm 1213 with C- or better or equivalent

BUSI 3013 MANAGERIAL FINANCE 1 (prerequisite)

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 each with C- or better and Busi 2013 as a corequisite.

BUSI 3033 MARKETING PRINCIPLES (prerequisite)

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 3053 OPERATIONS MANAGEMENT (prerequisite)

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:Busi 3063 with C- or better

BUSI 3063 MANAGEMENT SCIENCE 1 (prerequisite)

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:Econ 1013, 1023 and 2613 each with C- or better, and Busi 2013 as a corequisite

BUSI 3293 MANAGING E-BUSINESS (prerequisite)

This course will focus on the underpinnings and developments of e-business, business-to-consumer and business-to-business strategies. Topics will include buying and selling on the world wide web, back-office integration, impact of business-to-consumer e-business on logistics and supply chain management, hardware and software of the internet, intranets and extranets, technological innovations and their impact and competitive dynamics of firms operating in internet enabled operating environments.

Prereq: Busi 3013, 3033 and 3053 each with C- or better

BUSI 3323 MANAGING EQUITY LEGISLATION (prerequisite)

Equity legislation and its impact on today's manager/entrepreneur. Areas covered are employment and pay equity, human rights and occupational health and safety. The course is heavily case-oriented and will enable the student to examine compliance strategies.

Prereq: Busi 2013, 2743, Comm 1213, Econ 1013 and 1023 each with C- or better

BUSI 4313 LABOUR RELATIONS (prerequisite)

The structure, functions, attitudes, and philosophy of labour organizations in collective bargaining; consideration of the behaviour of the actors in the labour relations scene; and consideration of the basic stages of the labour relations process (organization, certification, negotiation, grievance, arbitration) from the viewpoint of labour, management, and the law.

Prereq: Open to senior students or Busi 2013, 2743, Comm 1213, Econ 1013 and 1023 each with C- or better

BUSI 4953 BUSINESS AND CORPORATE STRATEGY (prerequisite)

This course establishes a foundation in the area of strategy formulation, implementation and analysis. Students undertake industry analyses, construct industry value chains, examine mergers and acquisitions, conduct SWOT and scenario analyses, search out new disruptive technologies and use other analytical approaches while profiling the formal strategies of major public companies. This course must be taken on this campus with exceptions permitted in only the most extraordinary circumstances.

Prereq: Busi 2743, 3023, 3043, and 3053 each with C- or better

BUSI 4963 STRATEGIC ISSUES IN BUSINESS (prerequisite)

Increasingly, business managers must address concerns of constituents beyond traditional business borders. Through the examination of some of the most important and complex issues facing today's management, students will gain an understanding of strategic fit between business strategies and the external environment. This course must be taken on this campus with exceptions permitted in only the most extraordinary of circumstances.

Prereq: Busi 2743, 3023, 3043, and 3053 each with C- or better and Busi 4953 as either a prerequisite or corequisite.

Program modification

Bachelor of Business Administration

1. Required Business courses (45h): 1013, 1703, 2803, 2013, 2613, 2733, 2743, 3013, 3023, 3033, 3043, 3053, 3063, 4953, 4963, each completed with C- grade or better
2. Required non-business courses (15h): Econ 1013, 1023, Math 1613 or Math 1013, Comm 1213, Econ 2613, each completed with a C- grade or better.
3. 15h business electives. The only business elective permitted in year 1 is Busi 2033.
4. 30h non-business electives
5. 15h university electives
6. A minimum program GPA of 2.00 is required to be eligible to graduate

A typical four year program consists of:

Year 1: Busi 1013, 1703, Comm 1213, , Math 1613 or Math 1013, Econ 1013, 1023, 2613, 9h electives

Year 2 Busi 2013, 2613, 2733, 2743, 2803, 15h electives

Year 3: The Business Core (Busi 3013, 3023, 3033, 3043, 3053, 3063), 12h electives

Year 4: Busi 4953, 4963, 24h electives

Note: Beginning in the 2006/2007 academic year, changes are contemplated for the second year program. Courses currently number 2013, 2733, 3013, 3023, 3033, 3043, 3053, and 3063, a lab, and 6h of electives will be required after the completion of year one courses.

Normally, all courses included under requirement #1 may be repeated only once. Appeals based on academic or compassionate grounds may be made to the director. The school does not accept Comp 1813 or 1823 or Comm 1223 as non-business electives. The school reserves the right to cancel any course with less than ten students enrolled. Course outlines for credit transfer will not be assessed after August 15. All prerequisites listed are cumulative.

Selection of areas of concentration: For their business electives, students may choose an area of specialization from one of the following: accounting, finance, marketing, information systems, or human resources. Students should discuss this with their advisor.

Bachelor of Business Administration with Major

The school has agreements with other units of the university to permit a BBA with major in Computer Science, English, French, German or Spanish. These are the only recognized majors that can be done in conjunction with the BBA. Students interested in taking one of these majors should so indicate at the time of application to Acadia, or should contact the school. Each major requires a specified 6h to be taken in the first year. Admission to a major is normally done at the end of the first year. The French, German and Spanish majors include a year overseas and so may take five years to complete. Other majors/options are under discussion; notify the school of your interests.

Bachelor of Business Administration with Computer Science

1. Required Business courses (45h): see #1 of the requirements for Bachelor of Business Administration
2. Required Computer Science courses (30h): Comp 1113, 1123, 2103, 2113, 2513, 2523, 2663, 3513, 3613, 3753, completed with a C- or better.
3. Required non-business courses (24h): Econ 1013, 1023, Comm 1213 (all with a C- grade or better), and Math 1213, 1223, 1413, 1423, 2433
4. 15h business or computer science electives
5. 6h university electives (business or non-business)
6. A minimum program GPA of 2.67 at the end of each academic year is required to remain in the BBA (Computer Science) program

Bachelor of Business Administration with English

See the School of Business and the Department of English for program details.

Bachelor of Business Administration with French, German or Spanish

1. Required business courses (45h): see #1 of the requirements for Bachelor of Business Administration.
2. Required language courses: selected in consultation with the language department (refer to the Calendar section under the appropriate language department). French (45h), German (42h), Spanish (42h)
3. Required non-business courses (12h): Econ 1013, 1023, Math 1613 or Math 1013, Econ 2613, each completed with a C- grade or better
4. For BBA French, 15h business electives, 3h university electives
5. For BBA German, 15h business electives, 6h university electives
6. For BBA Spanish 15h business electives, 6h university electives
7. A minimum program GPA of 3.0 at the end of each academic year is normally required to remain in a BBA (Language) program

Bachelor of Business Administration with Honours

1. Required business courses (45h): see #1 of the requirements for Bachelor of Business Administration
2. Further required business courses (12h): 3483, 3993, 4996
3. 3h of business electives
4. Required non-business courses (15h): see #2 of the requirements for Bachelor of Business Administration
5. 30h non-business electives

6. 15h university electives (business or non-business)
7. Students must achieve a B- or better in 57h of requirements 1 and 2, and a C or better in all requirements other than #4. Note that these grade requirements exceed the BBA requirements.
8. A minimum of 120h must be completed with a program GPA of 3.0 or better

School of Recreation Management and Kinesiology (045-19-CRE)

New Courses

RECR 1263 Foundations of Leadership Theory and Practice

A theoretical and experiential investigation of leadership and group dynamics for professional and voluntary settings. Emphasis is given to the application of theory for effective leadership of groups and organizations.

RECR 3163 Leisure Education Principles and Processes

This course will focus on understanding the sources of leisure education in society today, principles that underlie leisure education, and approaches used to educate various segments of the population about leisure. Various models, assessment tools, and intervention strategies of leisure education are introduced and discussed. Content will include the design, delivery, and evaluation of various types of leisure education initiatives.

This course will focus on understanding the sources of leisure education in society today, the principles that underlie leisure education, and approaches used to educate various segments of the population about leisure. The course covers concepts, theories, and practices of leisure education. Various models, assessment tools, and intervention strategies of leisure education are introduced and discussed. Content will include the design, delivery, and evaluation of various types of leisure education initiatives. Students will be expected to design and implement a leisure education initiative with a community group.

Prereq:third year BRM standing or permission of the School

SRMK 2413 Outdoor Pursuits Education

Framed within the context of leadership, risk management and environmental ethics of wilderness travel, students will be exposed to outdoor recreation activities such as sea-kayaking, mountain-biking, hiking, and canoeing with the purpose of developing introductory level skills in these areas.

Prereq:second year standing in SRMK or permission of the school. Preference given to students in the ORST concentration.

SRMK 2423 Outdoor Leadership and Expedition Management 1

Will focus on outdoor leadership development and safety, the study of expedition management including human, environment and equipment issues as well as risk management in the outdoors.

Prereq:SRMK 2413; second year standing and permission of the instructor

SRMK 2433 Outdoor Leadership and Expedition Management 2

There will be an extensive field trip during this course.

Prereq:SRMK 2413; SRMK 2423; second year standing and permission of the instructor

Course Modifications

KINE 2253 Sociological Aspects of Physical Activity and Sport (prereq)

This course is designed to provide a sound introduction to the sociology of sport and physical activity. Students are encouraged to question and think critically about sport and physical activity as part of society from both individual and group perspectives.

Prereq:BKIN students only, second year standing

KINE 3343 Fitness Programming (prereq, addition lab time)

The nature, value and assessment of human fitness, the fitness levels and related behaviours of Canadians, and current trends and practice in fitness programming in communities, schools, and the workplace. Basic fitness assessment and programming techniques for a healthy population will be addressed with modifications for a variety of populations. Upon completion, students attain certification as a fitness consultant (CFC). (2h lab)
Prereq:Kine 2423 or permission of the School

KINE 4010 Conference (course description)

Students are required to attend and participate in the equivalent of 12 hours or a 2 day conference prior to graduation. Information about conferences and criteria for expectations will be provided according to the Kinesiology handbook. Your advisor's approval of the conference must be obtained prior to attendance and a post conference evaluation must be submitted.

KINE 4783 Contemporary Socials Issues in Sport and Physical Activity (title and prereq)

This advanced course takes an in-depth look at social theories and issues relevant to understanding how sport, physical activity and other social institutions come together and impact our social worlds in Canada and elsewhere.
Prereq:Kine 2253 or Recr 1243 and at least third year standing in BKIN/BRM or permission of the School

KINE 3133 Leadership and Team Building (course description, prereq, discipline)

This course examines both micro and macro level leadership theories and hence examines both leadership provided by individuals to groups of followers and by organizations to society. Readings, discussions and projects are designed to enable students to develop knowledge and personal values relevant to future career settings.
Prereq:BKIN students only or permission of the School. BRM students may not take this course for a credit.

RECR 1223 Outdoor Recreation and Sustainable Tourism (title, course description)

This course examines the foundations of outdoor recreation and sustainable tourism. Emphasis is placed on the role recreation and tourism managers play in natural and heritage resource stewardship and environmental education as well as the provision of high quality programming and risk management.

SRMK 4363 Practicum in Outdoor Recreation (course description, prereq)

Students will apply outdoor leadership and interpretation skills to the planning and facilitation of outdoor experiences and special projects. Seminars will present advanced leadership and interpretation concepts and practices.
Prereq:fourth year standing in SRMK ORST concentration and permission of the instructor

SRMK 4883 Sport, Media and Culture (prereq)

This course examines the causal role that the mass media plays in dichotomizing sport as physical activity and as entertainment. Particular emphasis will be placed on electronic broadcast media (radio, television and Internet). Due to the nature of the sport industry, the course will be set in a North American context.
Prereq:Kine 2253 or Recr 1243

Courses deleted

KINE 186D and KINE 187D Outdoor Leader Safety Skills 1 and 2
RECR 1233 Foundations of Tourism
RECR 3093 The Recreation Professional as Facilitator
RECR 4073 Environmental Ethics & Issues in Outdoor Recreation
RECR 4113 Strategic Planning

New Program

Kinesiology Program:

Bachelor of Kinesiology with Honours with Biology

- Kinesiology core (45h)
- Comm 1213/1223 (6h)
- Biology core: (30h) Biol 1113, 1123, 2013, 2023, 2033, 2043, 2053, 9h biology electives
- Arts/Science core: (15h) Math 1213, Chem 1013, 1023, 6h from the Faculty of Arts
- Kinesiology electives to include Kine 3163 and 4996 (21h)
- University electives (3h)
- Kine 2010, 4010

At least 50% of the KINE electives offered for the degree must be at the 3000 level or higher.

A GPA of 3.0 must be obtained in the kinesiology core and biology core. A minimum program GPA of 3.00 is required to graduate.

Bachelor of Kinesiology with Honours with Nutrition

- Kinesiology core (45h)
- Comm 1213/1223 (6h)
- Nutrition core: Nutr 1503, 2203, 2213, 2503, 2513, 3523, 3533, 3513 or 3543 (24h)
- Arts/Science core: Math 1213, Chem 1013, 1023, Biol 1113, 1123, 6h from the Faculty of Arts (21h)
- Kinesiology electives to include Kine 3163 and 4996 (21h)
- University electives (3h)
- Kine 2010, 4010

At least 50% of the KINE electives offered for the degree must be at the 3000 level or higher.

A GPA of 3.0 must be obtained in the kinesiology core and nutrition core courses. A minimum program GPA of 3.00 is required to graduate.

School of Education (045-20-CRE)

New course

EDUC 41G3 CAREER EDUCATION FOR TEACHERS

This course will examine career education for the contemporary workplace. Topics will include trends in the changing world of work, career choice and decision making, work and identity, change and transition, and work and leisure. Through experiential exercises and career development activities, students create their own career portfolios, which is a major focus of the course. In addition, issues are explored related to providing classroom support to career development.

EDUC 41H3 CREATIVE DRAMA FOR TEACHERS

This course will explore drama as a creative means of knowing and expressing ideas, perceptions and feelings in preparation for teaching in the school system. Students will recognize how drama can be a viable process for learning emotionally, physically, intellectually, imaginatively, aesthetically and socially.

EDUC 41J3 VIDEOGRAPHY IN CLASSROOM AND COMMUNITY

This course offers education students instruction in documentary film-making. The documentary as a genre is a valuable tool for expanding the literacy of students in contemporary schools. The course consists of a series of workshops in technical skills, narrative structure of the documentary genre, analysis of educational documentaries, digital editing, and issues in documentary making.

Course modification

EDUC 4203 CONTENT AREA LITERACY FOR SECONDARY SCHOOLS (calendar description, title)

The purpose of Education 4203 will be to examine theoretical frameworks and applications for practice in the area of literacy in the content areas in the secondary school. There will be specific emphasis upon the various skills required for effective reading in the content areas. Students will be encouraged to develop a critical, reflective approach towards the teaching of reading in the content areas.

EDUC 4553 VISUAL ARTS FOR TEACHERS – SECONDARY (calendar description, title)

This course is an introduction to the methodologies most appropriate for the inclusion of the visual arts within regular classrooms. Emphasis will be placed on the six areas of the visual arts process as it appears in the Nova Scotia Curriculum: collage, painting, drawing, sculpture, textiles, and printmaking.

EDUC 4453 ADVANCED CURRICULUM AND INSTRUCTION IN ELEMENTARY SCIENCE EDUCATION (modification to course weight, course number)

This course will examine strategies for delivering specific units in the elementary science curriculum. An emphasis will be placed on developing units that integrate other subject matter including language arts, social studies, and mathematics.

EDUC 40B3 CURRICULUM ISSUES IN ELEMENTARY MATHEMATICS EDUCATION (course weight)

This course builds on EDUC 4173, focusing especially of contemporary principles and standards for mathematics teaching, textbooks and curricula. Issues such as equity, mathematics anxiety, and the influence of technology will be addressed.

Prereq: Educ 4173 with B- or better, or permission of instructor

EDUC 41A3 ENERGY, POWER AND TRANSPORTATION TECHNOLOGY (Course description)

This course will provide an introduction to the philosophical and practical dimensions involved with teaching energy, power and transportation technology in Atlantic Canada schools. Topics will include learning theories in technology education, creativity and ingenuity in design and problem solving, introductory electronics, and renewable energy technologies. In addition, this course will explore the how advances in energy, power and transportation technologies connect to broader pedagogical dimensions of education for sustainability, community outreach and the development of a critical technological literacy.

EDUC 4573 TEACHING STRATEGIES FOR TECHNOLOGY: ENERGY, POWER AND TRANSPORTATION (calendar description)

This course is a lab-based introduction to a variety of teaching methodologies applicable to the Energy, Power and Transportation strand of technology education in Atlantic Canada schools. Emphasis will be placed upon the development of technological competence, practical dimensions of teaching technological problem solving, the design of appropriate learning activities and the planning and maintenance of a safe and stimulating learning environment for all students.

Courses deleted

EDUC 3193 Individual Counselling
EDUC 3703 Assessment of Interests and Aptitudes
EDUC 3723 Vocational Development
EDUC 3823 Community Relations

Program deletion

Certificate in Counselling

Program modification

**Master of Education (Organized Leadership) becomes
 Master of Education (Leadership)**

Bachelor of Education (Elementary and Secondary)

<u>Elementary Program Changes</u>	<u>Secondary Program Changes</u>
<ul style="list-style-type: none"> ▪ Program becomes 60 credit hours (currently 63h) 	<ul style="list-style-type: none"> ▪ Program becomes 60 credit hours (currently 63h)
<ul style="list-style-type: none"> ▪ EDUC 4213 – Learning Difficulties: Assessment and Instruction becomes an elective 	<ul style="list-style-type: none"> ▪ EDUC 4213 – Learning Difficulties: Assessment and Instruction becomes an elective
<ul style="list-style-type: none"> ▪ EDUC 4433 – Assessment becomes a required course 	<ul style="list-style-type: none"> ▪ EDUC 4383 – Communications and Human Relations becomes an elective
<ul style="list-style-type: none"> ▪ EDUC 444A – Curriculum Issues in Elementary Mathematics Education – moves from .25 to .5 credit and reverts to EDUC 40B3 (same title) 	<ul style="list-style-type: none"> ▪ EDUC 4203 – Reading for Secondary Students with Special Needs – title changes to <i>Content Area Literacy for Secondary Schools</i>; calendar description changes
<ul style="list-style-type: none"> ▪ EDUC 445A – Advanced Curriculum and Instruction in Elementary Science Education moves from .25 to .50 credit and reverts to EDUC 4453 (same title) 	<ul style="list-style-type: none"> ▪ EDUC 4553 – Creative Arts for Secondary --title changes to <i>Visual Arts – Secondary</i>; calendar description changes; this course becomes an option among several courses that may be used to fulfil the .5 credit Arts requirement including: <ul style="list-style-type: none"> ▪ Videography in Classroom/Community (EDUC 41J3) ▪ Creative Drama for Teachers (EDUC 41H3) ▪ Digital Multimedia (EDUC 4513) ▪ Music for Classroom and World (EDUC 4803) or Music for Secondary (EDUC 4663)
<ul style="list-style-type: none"> ▪ EDUC 4683 – Linguistics I becomes a requirement for those who will undertake an international student teaching placement, and those who will take EDUC 4673 – ESL methods ▪ 6h elective removed leaving 3h elective course 	<ul style="list-style-type: none"> ▪ EDUC 4573 – Teaching Strategies for Technology: Energy, Power and Transportation -- description changes ▪ EDUC 41A3 – Energy, Power and Transportation Technology -- description changes
	<ul style="list-style-type: none"> ▪ EDUC 4683 – Linguistics I becomes a requirement for secondary language majors, those who will undertake an international student teaching placement, and those who will take EDUC 4673 – ESL methods
	<ul style="list-style-type: none"> ▪ 3h elective added (unless student pursues a language major and therefore required to take EDUC 4683)