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GETTING STARTED

What You Need to Know about CBU and this Calendar

1.) How to use this calendar

Read carefully! You are responsible for your own academic progress. That includes compliance with all academic, programs,

HEALTH PLAN – DOMESTIC STUDENTS

All full-time students (except international students) are automatically enrolled in the Student Health Plan. If proof of alternative coverage is presented to the Cape Breton University Students' Union (CBUSU) [illegible]

MESSAGES

President & Vice- Chancellor’s Message

H. JOHN HARKER, LLD

ABOUT CAPE BRETON UNIVERSITY

Let's begin with the end goal of all new students - graduation. At Cape Breton University, graduates have consistently ranked their overall educational, teaching and instruction experience as outstanding. Cape Breton University promises and delivers an exceptional educational experience for students. Our faculty, students and graduates are recognized nationally and internationally for innovative accomplishments from academic excellence to athletic prowess. These successes contribute to Cape Breton University's growing reputation for excellence both in and out of the classroom.

Located on Canada's stunning East Coast, CBU makes its home in the Cape Breton Regional Municipality, the largest urban centre on Cape Breton Island. With a population of 110,000 residents, the municipality boasts the amenities of a larger centre, with the welcoming, supportive atmosphere of a small town.

The Cape Breton University campus is home to a student population that hails from local, regional and international locations. CBU offers a comfortable and secure environment within a small campus community, which allows for a smooth transition to university life.

There is a long list of good reasons for choosing to study at CBU:

- A commitment to providing relevant, meaningful and accessible programs
- Solid study options in liberal arts, business, science and technology as well as education, health and wellness
- Low student/teacher ratios allowing for excellent classroom interaction
- Small class sizes that are the envy of other institutions
- Work/study co-op programs in many disciplines
- Excellent support services for students with special requirements
- International student services
- More than 70 student societies
- Outstanding undergraduate research opportunities
- Established scientific and research institutes
- Strong international partnerships
- A focus on innovative technology
- Student exchange opportunities
- A Mi'kmaq Resource Centre
- Four university residences
- An ever-expanding scholarship program
- An opportunity to cheer on the CAPERS – winners and contenders for numerous championships!

MISSION

To provide leadership and employ partnerships that litgralaen (ec)-8(o)-12oo2DC /(i)3(c)-8(needa)-12(s)-8.

CALENDAR OF EVENTS

JANUARY 2012

(The Calculus Readiness test for students registering in a calculus course will be held in January. Please check with the Mathematics Department for further details.)

3	CBU re-opens.
3	Registration for winter term.
4	Classes begin - winter term.
13	Payment deadline for winter term fees.
17	FINAL DATE TO REGISTER FOR OR ADD A COURSE FOR WINTER TERM.
20-30	Season of Plays – (tentative dates - contact Boardmore Playhouse).
31	FINAL DATE TO WITHDRAW FROM A FULL-YEAR (6 CREDIT) COURSE WITHOUT ACADEMIC PENALTY. FINANCIAL PENALTY WILL APPLY.

FEBRUARY 2012

20-24	Reading week (no classes).
20-28	Season of Plays – (tentative dates - contact Boardmore Playhouse).

MARCH 2012

1	Deadline for the receipt of applications for admission to be considered for entrance scholarship.
2	FINAL DATE TO WITHDRAW FROM A WINTER TERM (3 CREDIT) COURSE WITHOUT ACADEMIC PENALTY. FINANCIAL PENALTY WILL APPLY.
13-26	One Act Play Festival (tentative dates - contact Boardmore Playhouse).

APRIL 2012

(For information on Registration 2012, go to C -

CALENDAR OF EVENTS

ADMISSION REQUIREMENTS

Applicants whose first language is not English must provide documentation to show that CBU's English language proficiency requirements have been met. Proof of proficiency may be provided by one of the following:

Previous Education in English:

- Successful completion of at least two years of academic instruction at a secondary institution, as recognized by Cape Breton University, where English is the primary language of instruction, or
- Successful completion of at least 30 credit hours (or equivalent) at a post-secondary institution, as recognized by Cape Breton University, where English is the primary language of instruction.

Official Testing Scores: (Please arrange to have test results sent to Cape Breton University from one of the following agencies.)

- TOEFL score of 550 (paper test), 213 (computer test), or 80 (internet test). See www.ets.org, or
- IELTS score of 6.5 with no band below 6.0. See www.ielts.org, or
- CAEL score of 60, www.cael.ca, or
- MELAB score of 85, www.melab.ca, or
- CanTEST score of 4.5 (reading & listening), 4.0 (writing) see www.olbi.uottawa.ca/en/cantest.php.

English Language Training

IB Program in Math

Students who complete an IB course in mathematics with a minimum score of 5 shall be exempt from the Calculus Readiness test.

OR

Completion of a Grade 12 honours course with a mark of 85% or higher and successful completion of an Outstanding Entry Student Examination. This examination is prepared and graded by an instructor in the discipline. Success in the examination means that the department and the dean are confident that the student's knowledge is equivalent to that of a student who has successfully completed the introductory level of that course at CBU.

FROM OTHER THAN HIGH SCHOOL

CBU recognizes extra-institutional learning and may grant credit for learning experiences acquired outside an educational institution. Students may obtain credit for such prior learning in either of two ways:

1. By presenting evidence demonstrating that the student has mastered the material covered in the course in question. The Dean of the ap

ADMISSION REQUIREMENTS

INTERNAL TRANSFERS

INTERNAL TRANSFER CREDIT FOR SCHOOL OF ARTS AND SS

SUPPLEMENTARY EXAMINATIONS

CBU, through the Student Service Centre, no longer schedules formal supplementary exams. Individual faculty and/or departments will determine if a supplementary exam is allowed in a course. If allowed, the policies and procedures with respect to the writing of supplementary exams will be determined by individual faculty and/or departments. For specific information on supplementary examinations, please refer to your course outline or the department chair.

REPEATING A COURSE

If a student repeats a course, the highest mark in the course will be used in the calculation of the final average as well as in the calculation of the average for all program requirements, prerequisites and for all other internal purposes where an average is calculated. The marks for previous attempts of the course will remain on the student's permanent record. The number of times a student may take a course is limited to three.

REASSESSMENT OF FINAL GRADES

Application for reassessment of a final grade should be made to the department chair in which the course was offered. The student must provide a letter to the chair stating specifically which assignments are being requested to be reassessed and the specifics of why the student believes the original grade was unfair; if the assignments have been returned to the student they must be included with the application for reassessment. The only grounds for application for reassessment are that the student believes that the grading criteria were inconsistently applied to that individual student, whether through error, carelessness or discrimination.

Applications for reassessment must be received within one month of the end of the term in which the disputed mark was assigned. Grades may be raised or lowered through the reassessment.

The department chair will first request the instructor who issued the mark to review the materials submitted along with the final examination. If the result of this preliminary review does not change the final grade, the student may request a formal reassessment. This request must be accompanied by a payment of $25, which will be refunded if the grade is raised.

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APPEALS OF ACADEMIC DECISIONS

Students who have grounds for believing themselves were unjustly treated within CBU are encouraged to seek all appropriate avenues, to redress or appeal, open to them. Cape Breton University's Appeals Committee, which is made up of one student, two faculty members, and one school dean is a final recourse for students who feel so aggrieved. Any student who has exhausted all other avenues as outlined in this document and who still feels that she/he has grounds for a reversal of a decision, may serve notice of appeal to this committee.

The Appeals Committee does not replace other adjudicative processes. Once all avenues have been fully explored, the following process will ensue:

Once all avenues have been fully explored:

1. A student submits a letter to the chair of the CBU Appeals Committee explaining in detail the nature of the appeal, providing all appropriate documentation and indicating clear(i)3(ng)-12()-12(a1212(al30 Tw 3.8ody <</MCeof)-13(s)-8(ung)

Students with academic warning standing will receive a letter advising them of this status and of the requirement to meet with the relevant Performance Review Committee.

ACADEMIC DISCONTINUANCE

At the end of April, students previously on academic warning will be placed on academic discontinuance for 12 months beginning May 1, if they have an average less than 50% in the period under review. They may register for only one 6-credit course at CB64 Tm12(e e)-(g t)-1(h),-1(h)-12(em)-2ahe reod 12(w)9(od.(h)-1224(y)16(m)-6(egi)3)-12(0)v(at)-1(e e)-12(nd o)-

ETHICAL BEHAVIOUR IN ACADEMIC MATTERS

All members of the CBU community are called upon to demonstrate a respect for academic honesty. To this end, a number of processes and procedures are in place to govern the ethical behaviour of all members of CBU. For example, faculty, staff and administrators are governed by collective agreements and the appropriate collegial bodies. Since these academic regulations are primarily geared to guide students through their university career, the focus of this section is on academic dishonesty as it applies to the student body. However, this does not imply that students are less honest than other members of the CBU community. It simply acknowledges that whereas the rules and regulations governing the ethical behaviour among the non-student population are contained in other documents, it is necessary here to delineate the guidelines pertaining to student behaviour in academic matters.

Forms of Academic Dishonesty

PLAGIARISM

Plagiarism is the act of representing the intellectual work of others as one's own. Such misrepresentation is treated as a serious violation of academic standards and principles. When a student submits work for a course, it is assumed that the work is original,

Third offence: The relevant dean will inform the program dean, who will officially inform the student in writing, that he/she will be discontinued as of the end of the current semester of registration. The course in which the plagiarism occurred will be assigned a mark of 0. The student will not be permitted to register in any CBU courses, for credit, for 12 months as of the date of discontinuance, nor will CBU accept transfer credits from other institutions if they have been earned during that period. The notation for the discontinuation will appear on the transcript for the duration of the discontinuation. The notation will remain on the student's internal academic file.

DISCONTINUATION PROVISION

If discontinuation occurs in the fall term, the student will be required to withdraw from any 6 credit courses he/she is enrolled in. He/she may be eligible for a refund for these courses, depending on the date of the reported infraction.

NOTE: In all cases, the dean must also inform the student(s) involved of their rights to appeal to the CBU Appeals Committee.

ELECTRONIC DEVICE POLICY

The usage of electronic devices in class, laboratory, clinical area and seminar settings can lead to distractions of the instructors and students and is not allowed in the academic class, laboratory, clinical area and seminar environment, unless specified by the instructor. Electronic devices include, but are not limited to, cell phones, portable radio and music devices, electronic translators and laptop computers. Students using electronic devices in contradiction to the wishes of the instructor may be asked to turn off and/or to remove the device or may be asked to leave the class, laboratory, clinical area or seminar.

CLASS ATTENDANCE

As part of the CBU community, students play a key role within the institution. CBU 7 TD [(aev)-udce an

a) The regulations of the second credential program must be satisfied.
b) A candidate for a second credential must complete a minimum of 30 credits over and above the credits required for the first credential. More than 30 credits may be required to satisfy requirements of the second credential.
c) Normally, candidates for a second credential may not choose the same discipline as in the first undergraduate credential. However, candidates whose first credential was a three-year degree may complete a different four-year degree in the same discipline as the first credential. For example, students who graduate with a three- year BA in Psychology may go on to complete a four-year BSc in Psychology. In this case the new four-year degree will replace the three-year degree previously awarded. A notation will appear on the transcript indicating that the new degree replaces the one previously awarded.

2. Second Degree within the Same Credential:
a) Candidates who hold a three-year degree may upgrade to a four-year degree within the same credential and in the same discipline. In this case the new four-year degree will replace the three-year degree previously awarded. A notation will appear on the transcript indicating that the new degree replaces the one previously awarded.
b) Candidates who hold a four-year degree in a single discipline will be allowed to upgrade to a four-year double major degree with the following conditions:

i) They must satisfy all departmental regulations with respect to the second major.
ii) A notation will be added to the transcript indicating "Double major in _____ and _____ replaces previously awarded degree".

c) Candidates will be allowed to add a new discipline to a previously awarded four-year degree with the following conditions:

i) They must satisfy all departmental regulations for the single major or concentration in the discipline.
ii) A notation will be added to the transcript signifying "Major (Concentration) in _____".

Note: For the purposes of clarification, the distinction between items b) and c) above is as follows. Item b) refers to the case in which a student has a single discipline four-year major and has subsequently satisfied the requirements for a second major within a double major degree. Item c), on the other hand, refers to the case in which a student has a single or double discipline four-year degree and subsequently satisfies all of the requirements for a new single major four-year degree. It should be noted that the requirements for a second major within a double major degree are generally far less stringent than the requirements for the major within a single discipline four-year degree.
d) Candidates will be permitted to upgrade from a major to honours as long as departmental regulations are satisfied. The notation "Certificate of Honours Standing in _____" will be added to the transcript.

Conversion of a CBU Diploma to an Undergraduate degree in the Same Discipline:
1. Candidates who have been awarded a CBU Diploma may complete an undergraduate degree in the same discipline. They must complete a minimum of 30 credits over and above the credits required for the diploma. The awarding of the undergraduate degree will be noted on the transcript with a notation indicating it replaces the previously awarded diploma.
2. Candidates who simultaneously complete both the requirements for a diploma and those for a degree in the same discipline may only graduate with the degree. Application to graduate with the diploma will not be accepted.

COURSE SELECTION

Programs consist of combinations of courses. For example, in order to complete the requirements for a BBA degree, the student needs to pass 20 courses (120 credits). Most courses are offered between September and April. However, courses in Co-op Technology programs span eight, 4-month terms with three terms devoted to work placements. Courses in the degree programs are also offered during May to June (spring session) and July to August (summer session).

A course taught for three hours a week during the September - April period has a value of six credits and is called a full course. A course taught for three hours a week for one term (from September to December or January to April) has the value of three credits and is called a half course. Half and full courses are also offered in spring and summer.

TAKING COURSES AT OTHER INSTITUTIONS

Students formally registered at CBU may take courses from another institution and have them transferred, with the prior permission of their school dean, into their CBU program. Normally, the total number of courses accepted shall not exceed 50% of the total number of courses required to complete the program. CBU has special agreements with some institutions which may allow students to utilize more courses than normal. Students should consult with their school dean for further information.

CORRESPONDENCE COURSES FROM OTHER INSTITUTIONS

Students formally registered at CBU may wish to take advantage of those courses offered through correspondence from other recognized institutions. The conditions for correspondence courses are the same as those listed above for taking courses at other institutions. CBU cannot give credit for a correspondence course if that same course is offered at CBU during the period the student wishes to enroll. However, a student may take a correspondence course if the same course at CBU is filled.

CBU DISTANCE EDUCATION COURSES

Courses offered by CBU in any format and at any site are considered to be regular university courses. This includes distance courses.

CBU COURSES TAKEN DURING SPRING/SUMMER SESSION

CBU courses taken during spring/summer session are considered to be regular university courses and no limitations or restrictions are placed on such courses, with one exception: because of the condensed format of the spring and summer sessions and, except where their program requires otherwise, students normally take only two courses concurrently. Those wishing to take more than two courses concurrently must have the permission of the dean.

CBU TUTORIAL COURSES

Tutorial courses are those courses listed in the CBU calendar which are noth cCB ot reguw 12.9612(ndar)-6f8(es)-8h0 Tw (s12(d i)

Work term evaluation consists of two components:

1. Performance as evaluated by the employer and by the appropriate advisor in the Student Service Centre. The evaluation is recorded on the student's transcript as either successful or unsuccessful.
2. A work report validated by the student's employer and graded by an appropriate member of the CBU faculty. A letter grade is recorded and indicates relative merit as follows:

A	-	85 - 100%	Excellent
B	-	70 - 84%	Very Good
C			

CAPE BRETON UNIVERSITY
STUDENT FEES AND FINANCIAL INFORMATION

At the time of this calendar's publication, fees for future years had not yet been determined. Fees are subject to change without notice. Readers are encouraged to refer to www.cbu.ca and click on Future Students or Current Students and then choose Tuition and Fees for the most up-to-date fee structure and policies.

RESPONSIBILITY

It is the responsibility of each student to be familiar with CBU's regulations pertaining to financial matters. CBU does not accept responsibility for any loss, damage, or interruption of classes, accommodation, or meals suffered by any student as a result of circumstances beyond the reasonable control of the University. These circumstances include the suspension or termination of services by any group of university employees.

COMPLETED REGISTRATION

Registration is not completed until fees are paid or until arrangements are made for the payment of fees in accordance with CBU policy. Acceptable arrangements include the assignment of required amounts from a student loan.

ACADEMIC FEES

Academic fees include tuiti-12012 Td.001 T/A .3(c)-8(f1(he)-12([(R)-ON.59 -(i)-C -0.nTt)-1(-6(eN-609d(eal)3(s)-8(c13(r)-6(oi)3(s)

FINANCIAL INFORMATION

PAYMENT POLICIES – TUITION AND OTHER ACADEMIC FEES The following regulations apply to the payment of tuition fees for domestic and international students:

Domestic Students: First term marks will only be issued to students who have paid all first term tuition and fees (including outstanding Library fines) in full.

Interest will be calculated on outstanding balances at a rate of 1% the first day of each month. Students registering for only one 3-credit course will be required to pay all tuition and applicable fees at the time of registration.

Students registering for multiple courses for the first academic term (September to December) or both academic terms (September to April) will be required to pay an initial deposit at the time of registration. For students registering in the first term only, the remaining balance of all fees is to be paid no later than September 30.

For students registering for both academic terms (September to April), a total of 60% of the remaining balance of all fees must be paid no later than September 30. (The remaining 40% is to be paid no later than January 15).

Students with approved student loans will be required to pay all the tuition and fees due by September 30 (as stated

4-Year Degrees:

Major Program – Major/Minor 4-Year Degree
Major in Anthropology, Anthropology – Sociology (jointly), Business, Communication, English, Folklore, History, Mi'kmaq Studies, Philosophy, Political Science, Psychology, and Sociology.

Major Program – Double Major/Area Major 4-Year Degree
Students considering these options should consult the Community Studies Department Chair or the school Dean.

Sports Management Option –Area Major 4-Year Degree
The core Community Studies courses, an area major in Sports and Human Kinetics, plus two additional area majors and electives comprise this 4-year degree program.

Honours Program
Honours programs are offered in the following areas: Anthropology, Communication, English, History, Political Science, Psychology, and Sociology.

Bachelor of Arts Community Studies/Bachelor of Business Administration – 4-year degree
With the Shannon School of Business, the School of Arts and Social Sciences offers a joint Bachelor of Arts Community Studies/Bachelor of Business Administration (BACS/BBA) degree program.

Diploma and Certificate Programs
The school offers a Diploma in Public Administration and Management, and Certificates in Theatre Arts, Ethnomusicology, Heritage Studies, Public Administration, and Social Research.

DEPARTMENTS

Anthropology and Sociology

Chair, Janice Drodge

The Department of Anthropology and Sociology provides a full range of courses in Cultural Anthropology and Sociology. It offers three-year specializations and four-year majors in Anthropology, Sociology or the joint Anthropology/Sociology option, as well as an Honours degree in Anthropology or Sociology. The Department also offers a Certificate in Social Research.

Communication

Chair, Dawn White

The Department of Communication offers courses in communication theory and practice, rhetoric, and media studies. Its emphasis on interpersonal and oral communication is rare in Canadian universities. Students may complete a specialization, a major, a double major, an area major or an honours program in Communication.

Community Studies

Chair, Jane Connell

The Department of Community Studies provides the core Community Studies (COMS) courses and Sports and Human Kinetics courses for the Bachelor of Arts Community Studies (BACS) degree. The COMS courses are process-education courses delivered in a small group format and emphasize problem-solving skills, critical analysis and community-based research and intervention.

Heritage and Culture

Chair, Heather Sparling

The Department of Heritage and Culture is dedicated to the study of regional heritages. It encompasses, Celtic Culture, Ethnomusicology, Folklore and Heritage Studies.

History and Fine Arts

Chair, Graham Reynolds

The Department of History and Fine Arts offers a three-year specialization, four-year majors and an honours degree in History as well as elective courses in drawing, painting, history of art, history of music and cinema. The History program provides options in both European and North American history. A special resource for the study of Atlantic and Cape Breton history is the world-class collection of documents available on the CBU campus in the Beaton Institute.

Languages and Letters

Chair, Mary Keating

The Department of Languages and Letters offers a three-year specialization, four-year major and an honours degree in English; it offers an area major and minor in French. English, French and Spanish courses can also be used as electives (please see Celtic Studies for courses Gaelic and Mi'kmaq Studies for courses in Mi'kmaq). The English program provides a full selection of options in British, Canadian, American, and world literature as well as courses in writing. The Department also provides courses for the Drama minor and the undergraduate Certificate in Theatre Arts.

Mathematics

Chair, Edmund Rudiak

Mathematics falls within the Department of Mathematics, Physics and Geology in the School of Science and Technology. However, a concentration in Mathematics is available in the three-year Bachelor of Arts. Majors in Mathematics are available to students in the four-year Bachelor of Arts and Bachelor of Arts Community Studies degrees. Students should consult the Dean of Science or the chair for more information.

Indigenous Studies

Chair, Rod Beresford

The Department of Indigenous Studies of Unama'ki College brings together full and part-time faculty members involved in the teaching and development of university courses within the disciplines of Mi'kmaq Studies and MSɬ

Philosophy and Religious Studies

Chair, Scott Stewart

The Department of Philosophy and Religious Studies provides a three-year specialization and four-year majors in Philosophy as well as a three-year specialization and a minor in Religious Studies.

A revision of the department’s offerings allows students to choose a three-year specialization and electives selected from a new set of courses focusing on the examination of values - religious, scientific, social, political, moral and aesthetic. A traditional, historically-based four-year major in Philosophy is also available.

Political Science

Chair, Terry Gibbs

The Department of Political Science offers a variety of courses in the fields of Canadian Politics and Government, Law and Justice Policy, Public Administration and Public Policy, Local and Regional Politics, Government-Business Rel S T57cl -15(egı

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ACADEMIC PROGRAM REGULATIONS

Bachelor of Arts

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English, with an overall average of at least 60%.

Students may substitute one Grade 12 open course for one advanced or academic course, except where a particular course is specified.

Program Options

Students entering the BA program may enter the three-year option or one of the four--

There are three options in the major program:

1. Major/Minor - the core (30 credits), 7 courses (42 credits) in the Major discipline, 3 courses (18 credits) in the minor discipline, and 5 electives (30 credits). Subjects available for the major in the major/minor program are: Anthropology, joint Anthropology/Sociology, Communication, English, Folklore, History, Mi'kmaq Studies, Philosophy, Political Science, Psychology, Sociology.
2. Double Major - the core (30 credits), 6 courses (36 credits) in the first major, 4 courses (24 credits) in the second Major, and 4 electives (30 credits). Normally the second major is related to the first.
3. Area Major - the core (30 credits), 4 courses (24 credits) in the first major, 4 courses (24 credits) in the second major, 3 courses (18 credits) in the third major, and 4 electives (24 credits). The majors are generally chosen from three closely related disciplines. Subjects not available for the major in the major/minor program (for example, French, Ethnomusicology or Religious Studies), may be used in the Area major.

Students considering the double major or area major options should consult a Department Chair about subjects and courses.

Honours Program

Honours are offered in Anthropology, Communication, English, History, Political Science, Psychology and Sociology. Students normally apply for admission to the program after successfully completing the first two years of study. In order to be accepted students must:

- Have achieved an average of at least 65% in each of the first two years and
- Have achieved a grade of at least 70% in each course in the major subject.

Further regulations are given in the departmental regulations sections below.

Program worksheets for the BA options are available from the secretaries to the academic schools, who are located in B-212.

Students transferring into the BA from another CBU program or from another post-secondary institution should consult the dean(s) to determine credit equivalencies.

Bachelor of Arts Community Studies

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English, with an overall average of at least 60%.

Students may substitute one Grade 12 open course for one advanced or academic course except where a particular course is specified.

Students in the BACS program may take either a three-year or a four-year program. In the three-year program students may complete the general BACS degree (15 courses, 90 credits) or one of the Spor**s** fet 212. edits) or on(n t)-Tehe

Three-Year General Program

The three-year BACS requires completion of 15 courses (90 credits). Three 6-credit and two, 3-credit Community Studies courses (24 credits) comprise the core curriculum, four courses (24 credits) are taken in the academic field, four courses (24 credits) are taken in career related field, and three courses (18 credits) of electives complete the program.

THE CORE COURSES

All BACS students are required to complete the Community Studies (COMS) core courses. COMS courses are interdisciplinary seminars in the retrieval, analysis and application of information. In the first year, the emphasis is on finding existing sources of information and using such information to produce analyses and make decisions. In the second year, the focus shifts to primary research. Students identify a specific community problem, examine and interpret existing information on the chosen topic and then carry out primary research. In the third year, the emphasis is placed on community intervention. Once an issue has been identified and examined, students seek to intervene, in some practical and positive way, in the life of the community. Throughout the sequence of COMS courses five themes are stressed: self-directed learning, reflective learning, problem solving, critical thinking and group dynamics.

COMMUNITY STUDIES COURSES (24 CREDITS)

- COMS1100

ACADEMIC FIELD (24 credits)
(see Three-Year General Program)

CAREER RELATED COURSES (24 credits)
Sports and Human Kinetics (SPHK) courses

ELECTIVES (18 credits)
(see Three-year General Program)

Four-Year Major Program

The four year major program in the Bachelor of Arts Community Studies expands the options for those students who plan to continue their studies at graduate or professional schools or who wish to achieve a depth of study in one or more disciplines not provided for in the structure of the three-year general program.

All options in the major program require completion of the core Community Studies courses (30 credits). COMS1100, COMS2100, COMS2101, COMS3100, COMS3101, COMS4100.

- A student in good academic standing who has achieved an average of at least 60% is eligible for admission to the major program. Students who opt for the four-year degree from the beginning of their program must attain a 60% average to remain in the program.
- An average of 65% in years three and four will be required to earn the major degree.
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Bachelor of Arts Community Studies/Bachelor of Business Administration

CBU offers students an opportunity to obtain both their BACS and BBA degrees in four years. At the end of three successful years, students will receive a Bachelor of Arts Community Studies degree with a career concentration in Business. After the fourth successful year, the student will receive the Bachelor of Business Administration degree.

Special Transfer and Entry Opportunities

The School of Arts and Social Sciences currently offers special opportunities for students who wish to enter the Bachelor of Arts Community Studies program after successfully completing the following programs:

COLLEGE OF THE NORTH ATLANTIC (CONA)

Students who have graduated from CONA, Newfoundland and have met the entrance requirements of CBU, will receive credit for eight full courses (48 credits) toward the BACS degree. These credits will include six credits for COMS1100 and three credits each for COMS2101 and COMS3101. A total of seven full courses must be completed in accordance with the structural requirements of the degree program.

TECHNOLOGY-BACS TRANSFER

The aim of this arrangement is to allow diploma students to take advantage of the unique nature of CBU, in order that they may complete the requirements for a Bachelor of Arts Community Studies degree after they have graduated from a tefa1m2.024 0 A0.001 Tw 9.96 0 0 9.96 36 511. 36 511. (t)-1()-1(i)-9(n or)-18(d4)-13(t)713(r)24(0.001 Tw 0.277 0 Td [(f)-13(u(d4)-

DEPARTMENTAL REGULATIONS

Anthropology and Sociology

Students interested in concentrating in Anthropology and/or Sociology can find out more about the program requirements by consulting the department chair or the relevant section of the University's web site. Students majoring in A56 695-6(i)3(n.9e 4.80

Acceptance into h onours, halfway through the degree : To switch into the honours program, students need: (a) a 65% average in each of your first two years (across all courses in all subjects, totalling 60 credits); and (b) for Honours Anthropology, 70 in each ANTH and AN/S c

2. 1st Major: Communication (24 credits. Note: At least 3 credits at the 4000-level [Communication 4101, 4103, 4104 or 4105] required. No more than 9 credits at the 1000-level permitted.)
3. 2nd Major (24 credits)
4. 3rd Major (18 credits)
5. Electives (18 credits)

(III) 4-YEAR HONOURS DEGREE (120 credits)
The BA Honours Communication is a())-3(s)-2c 0 Tw 7un: 0.8 0.83112(S)5((ur))-3(s)-j -0.002 8-6( )]TJ 0 10oniatatuni o m.108 0 T

SCHOOL OF ARTS AND SOCIAL SCIENCES

FOUR-YEAR MAJOR DEGREE (BA and BACS)

Major with Minor : Seven English courses

Admission : Students may apply for admission to the program after successfully completing two full years of study (60 credits). In order to be accepted they must: have achieved at least 75% in each of the first two years of study, and have achieved a grade of at least 75% in each course in the major subject.

Completion of the Degree : In each of the third and fourth years students must maintain an overall average of 75% and a grade of at least 75% in each History course.

First Class Honours : First class honours will be granted to those students who achieve an average of 80% or higher in History courses completed during the final two years of the BA program and who have satisfied all other degree and program requirements.

PROGRAM STRUCTURE

- BA core program (six full courses), including HIST4900, thesis option.
- At least ten full courses in History (including HIST1100 or the Humanities core).
- At least one course in a language other than English at the 2000-level or higher; obviously students lacking adequate preparation will need to begin with a 1000-level course in the chosen language. Students may fulfil this requirement by taking ENGL4140, Introduction to Old English.
- Two to four free electives (depending upon item 3, above), which may be additional courses in History (not subject to the 75% requirement, above).
- Distribution of History courses must include the criteria under (1) for four-year majors (provision for courses from both North American and European/British areas); also students must take HIST3100, Historiography.
- Students must take at least three History courses at the 4000 level (including HIST4900, undergraduate thesis).
- HIST4900: A student must submit her/his thesis proposal to the department chair in early September of the academic year in which the student intends to graduate. The chair, in consultation with the department, will assign a supervisor to the student upon approval of the proposal. The preparation of theses will be subject to departmental regulations and procedures and will include seminars with student peers and a public defence.

Mathematics

THREE-YEAR GENERAL DEGREE

Students in the three-year BA can specialize by acquiring 30 credits in Mathematics. Students must take MATH1105, 1206, 1204, twelve credits in Mathematics at the 3000 level or above and nine additional credits in Mathematics.

FOUR-YEAR MAJOR DEGREE

Students majoring in Mathematics (42 credits) shall take MATH1105, 1206, 1204, 2109, 2101, at least 3 credits in Math statistics, at least 12 credits at the 3000 level or above and 12 additional credits in Mathematics, also 6 additional credits at the 4000 level in Core (Group 6).

Students minoring in Mathematics (18 credits) shall include at least MATH1101 or 1105, and 1204 among the courses offered.

FOUR-YEAR DOUBLE MAJOR

Students using Mathematics as their first area of major (36 credits) shall take MATH1105, 1206, 1204, 2109, 2101, 3 credits in Math statistics, at least 12 credits at the 3000 level or above and 6 additional credits in Mathematics, also 6 -

SCHOOL OF ARTS AND S

MIKM4140*	(6 credits)	Compulsory
MIKM4100*	(6 credits)	Compulsory
BACS		
MIKM	(6 credits)	Choice any 2000/3000*/4000* level course

For the area major (three subjects) only four courses in any discipline are required. For Political Science these shall include a 1000 level introductory course, at least two courses at the 2000 or 3000 level and six credits at the 40004000

Major with Minor : PSYC1100, PSYC2101, PSYC2111 PSYC3203, PSYC3211 and PSYC4101. Plus 21 additional credits (including at least 6 credits at the 4000 level in addition to 4101). In the event that students do not have the directed study course, any 6 credits at the 4000 level are acceptable.

Double Major (Psychology as the first Major): PSYC1100, PSYC2101, PSYC2111, PSYC3203, PSYC3211 and PSYC4101. Plus 15 additional credits in Psychology (including at least 6 credits at the 4000 level in addition to 4101). In the event that students do not have the directed study course, any 6 credits at the 4000 level are acceptable.

Area Major : PSYC1100, plus 18 to 24 credits in Psychology.

Honours Degree : PSYC1100, PSYC2101, PSYC2111, PSYC3101, PSYC3203, PSYC3211 and PSYC4101, plus PSYC4900 and enough other courses to earn 60 total credits in Psychology, with at least 12 credits in total at the 4000 level. An average of 75% is required in courses in the Psychology major in last three years of the program

Diploma in Public Administration and Management

The Diploma in Public Administration and Management has been designed to meet the changing needs of the public sector by providing students as well as managerial practitioners with the skills required for the new public administration. The program is composed of 42 credits, of which 24 are deemed compulsory. These courses, derived from the fields of Political Science and Business Administration, provide students with knowledge in public sector management from both areas of study. Students may choose electives from a range of Political Science, Business Administration and Economics courses, with a requirement that a significant portion of their electives be chosen from the latter two disciplines. This ensures that students graduating with the diploma have a solid foundation, not only in the Political Science perspectives with regard to public sector management, but also those understandings deriving from Business Administration and Economics.

The diploma program includes a work-study internship option, POLS3801, whereby internships are provided to diploma students through our internship co-ordinator. This approach will allow diploma students to work in the public or para-public sector and to receive academic credit for their work.

Course topics include, an introduction to Canadian public administration, an introduction to Canadian business and management, Canadian government and administrative law, micro and macro economics, public sector financial and personnel management, restructuring in the public sector, introduction to marketing and marketing for non-profit organizations, issues in Canadian public administration, research methods, money and banking policy, leaders and leadership, Canadian provincial government, policy studies and an internship option.

Students can apply for credit or advanced standing based on past educational and career accomplishments. They may also substitute up to six credits from relevant courses in other disciplines.

PROGRAM REQUIREMENTS

The diploma requires 42 credits, five additional 3 credit courses over and above the Certificate in Public Administration.

COMPULSORY COURSES (Total 18 Credits)
POLS2110 Introduction to Canadian Public Administration (6 credits)
MGMT1601 Introduction to Canadian Business (3 credits)
POLS2161 Research Methods (3 credits)
ECON1103 Principles of Macroeconomics (3 credits)
POLS3111 Canadian Public Administration: Financial Management, Personnel Administration (3 credits)

OR

ECON4101 Public Finance (3 credits)
POLS3143 Canadian Government and Administrative Law (3 credits)
POLS3801 Directed Independent Study, Junior Level (3 credits)

OR

MGMT3701 Special Topics (3 credits)

ELECTIVE COURSES (Total 18 Credits)
Elective courses are derived from CBU's offerings in the disciplines of Political Science, Business Administration and Economics. Eighteen elective credits are required, of which six credits must come from a combination of Business Administration or Economics courses. The remaining 12 credits are to be derived from Political Science courses.

Political Science Electives
POLS3103 Local Government in Canada (3 credits)
POLS3104 Issues in Canadian Local Government (3 credits)
POLS3121 Leaders and Leadership (3 credits)
POLS3114 Issues in Public Administration)
POLS3104

Complete 12 Credits

- ENGL1600 Introduction to Literature (6 credits)
- DRAM1101 Introduction to Play Production OR
- FINA103 Philosophy of Art (3 credits)
- DRAM3901 Directed Study chosen in consultation with department chair (3 credits)

Complete 6 Credits (Choose one, all courses 6 credits)

- ENGL3122 Medieval Drama
- ENGL3241/3243 Renaissance Drama I & II
- ENGL2240 Shakespeare
- ENGL3320 Restoration and Eighteenth Century Drama
- ENGL2642 A Survey of the Drama
- ENGL3321 Nineteenth Century Drama
- ENGL3441 Modern American Drama
- ENGL4620 Modern Drama
- ENGL4622 Contemporary Drama
- ENGL4240 Studies in Shakespeare

English 385 can be used to satisfy 3 credits when the spe 6ID 60 >>B 60ra6( )TjD 45 >>BDC -30.44B2eagN6(D-5(e 12(4(am)5(e

Certificate in Public Administration

This program is designed for people who are interested in working for the public and para-public sectors, community organizations, social agencies, and advocacy groups. It may also be of interest to private-sector employees who are in contact with government, and those interested in gaining knowledge about public administration and public policy. We are currently living through the greatest period of change in the history of Canada. As our legal, political, and economic

SHANNON SCHOOL OF BUSINESS

JOHN MACKINNON, MBA, CA - DEAN

Cape Breton University's Shannon School of Business offers flexible, innovative, business programming. The programs offered through the Shannon School of Business are:

- Master of Business Administration in Community Economic Development
- Bachelor of Business Administration
- Bachelor of Business Administration, Major in Accounting
- Bachelor of Hospitality and Tourism Management, Three year Internship
- Bachelor of Technology Information (Through partnership with CIC)
- Certificate in Management
- Certificate in Professional Development

In addition to degree programs, the Shannon School of Business offers courses which are recognized by a wide variety of professional societies and institutes.

The Shannon School of Business consists of two departments:

FINANCIAL AND INFORMATION MANAGEMENT
Martin Moy, Chair (Finance, Accounting, Information Technology, Management Science, Economics)

ORGANIZATIONAL MANAGEMENT
Wendy Wadden, Chair (Marketing, Management, Human Resources, Legal Studies, Hospitality and Tourism Management)

Master of Business Administration in Community Economic Development

Cape Breton University's Master of Business Administration (MBA) in Community Economic Development (CED) is an advanced program with community at its core; it resonates with people who wish to make a difference in their organizations and their communities. The MBA in CED curriculum, in addition to business subjects found in traditional MBA programs, focuses on economic development, leadership, strategy, governance, managing change and international management.

This program is designed for learners112(ader)-6(s.001 Tw -)-9(t)-1(al)-952(n)-12((.)-1(us)-8i)3(n)-1nvy.337 Td [(T)323 0 Td-12(nge

- three references, preferably including one professional and one academic reference, each accompanied by a completed referee form
- satisfactory scores on the GMAT
- satisfactory scores on the TOEFL/IELTS (for students whose native language is not English)
- satisfactory performance in an interview

Candidates who do not have an undergraduate degree, and show potential for success in graduate level study, may be admitted to the MBA in CED as non-traditional students. Outstanding career and/or volunteer experience are expected. The candidates will be assessed individually in such areas as experience and performance in a number of education/training courses. Applicants must provide:

- a completed application form, with the non-refundable application fee
- proof of extensive experience in managerial/decision-making positions
- official copy of a high school diploma or equivalent academic credential
- official transcripts of completed academic work
- a 4-6 page essay outlining desire to enter the program, community involvement, and what can be offered to other students in the classroom
- a resume detailing employment experience, skills, community involvement, and interests
- three references, preferably including one professional and one academic reference, each accompanied by a completed referee form
- satisfactory scores on the GMAT
- satisfactory scores on the TOEFL/IELTS (for students whose native language is not English)
- satisfactory performance in an interview

Reference letters must be originals, sent directly by the referees. Only official transcripts sent by the Registrar of the issuing institution will be accepted. The Educational Testing Service must forward GMAT and TOEFL/IELTS score reports. Photocopies of any of these documents will not be accepted.

INTERNATIONAL BUSINESS OPTION

MBAC6226 International Finance
MBAC6228 International Marketing

PEACE-BUILDING, RECONSTRUCTION AND GOOD GOVERNANCE OPTION

This option was designed for military personnel and civilians in collaboration with the Canadian Defence Academy, Department of National Defence.

MBAC6215 Emergency Management
MBAC6217 Conflict Resolution and Community Reconstruction

STRATEGIC LEADERSHIP OPTION

Program schedules and tuition fees for the national and international market will differ from the program offered on-site at Cape Breton University. For more information about the Master of Business Administration in Community Economic Development program, please contact the director at mba@cbu.ca , or (902) 563-1467.

Bachelor of Business Administration (BBA)

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English and Mathematics or Pre-calculus Mathematics, with an overall average of at least 60%. Students may substitute one open course for one advanced or academic course, except where a particular course is specified.

The Bachelor of Business Administration degree is a four-year program (when completed on a full-time basis), degud16(s)-8(ubs)-

Electives (27 credits)

See the course description section of this Calendar for more information. A degree worksheet is available from the Dean's office.

Bachelor of Business Administration Major in Accounting

The BBA Major in Accounting program requires the completion of the BBA core curriculum. Students are required to complete ACCT3206 and ACCT3207 plus 18 credits of accounting electives. In addition, at least six credits must be at the 4000 level.

Admission Requirements : Students who have completed year one or year two of the BBA degree program may apply for admission to the BBA Major in Accounting. Students must be in good academic standing with a minimum 60% average.

Program and Course Requirements :

1. ACCT3206 and 3207
2. 18 credits from ACCT2203, LEGL2501, ACCT4201, ACCT4205, ACCT4206, ACCT4207, ACCT4208, ACCT4209.
3. An average of 65% must be maintained in years three ody0T0o3 mnncr3s from

Students may substitute one open course for one advanced or academic course, except where a particular course is specified. The Bachelor of Hospitality and Tourism Management program is a three-year general degree offered through the Shannon School of Business that encompasses courses spread over the Hospitality, Tourism, Business/Management, Humanities, Social Science and English academic disciplines.

The program includes two compulsory, six-month paid industry internships, which occur between May and October in the first and second years of study. Internships must meet suitable industry internship criteria. An internship coordinator (faculty member) will arrange recruitment presentations and provide students with the opportunity to be interviewed on campus by national, provincial and regional establishments for internship placement. Students are also encouraged to seek internship opportunities on their own. All internship placements are subject to approval by the internship coordinator.

BACHELOR OF HOSPITAL ITY AND TOURISM MANA GEMENT (BHTM) – PROGRAM REVISED NOVEMBER 2010

Year One: Fall Term (September - December)

HATM1501	Introduction to Food Theory and Nutrition
HATM1504	Tourism in Canada
ACCT1203	Intro to Accounting I
Non-Discipline Elective	(3 credits)
English	(3 credits)

Winter Term (January- April)

HATM1503	Restaurant Operation and Service
HATM1506	Intro to Tourism Marketing
ACCT1204	Intro to Accounting II
Communication	(3 credits)
Non-Discipline Elective	(3 credits)

Spring/Summer
Hospitality and Tourism Internship I

Year Two: Fall Term (September -December)

HATM3505	Tourism Law
HATM3504	Resort/Facilities Management and Maintenance
MGMT2604	Intro to Organizational Behaviour
MATH1215	Descriptive and Basic Inferential Statistics
Non-Discipline Elective	(3 credits)
HATM2999	Industry Internship I (Completed in spring/summer)

Winter Term (January- April)

HATM3503	Meetings and Convention Management
MGMT2605	Human Resource Management
MGMT3607	International Business
ECON1101	Principles of Microeconomics
Non-Discipline Elective	(3 credits)

Spring/Summer
Hospitality/Tourism Internship II

Year Three: Fall Term (September - December)

HATM3125	Tourism Operations Planning
HATM3509	International Tourism Management
MGMT4606	Tourism Management I
Open Elective	(3 credits)

Non-Discipline Elective	(3 credits)
HATM3999	Advanced Industry Internship II (completed in spring/summer)

Winter Term (January-	April)
MGMT4607	Tourism Strategy
HATM3508	Destination Management and Marketing
Open Elective	(3 credits)
Open Elective	(3 credits)
Non-Discipline Elective	(3credits)

Bachelor of Technology Information

The BTI degree program is now offered only in Egypt through CBU's partnership with Canadian International College (CIC).

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English and Mathematics or Pre-calculus Mathematics, with an overall average of at least 60%.

The Bachelor of Technology Information (BTI) degree is a four-year, co-operative education program consisting of 40 three credit courses (120 credits) and three optional work placements.

The BTI degree equips its graduates with the essential information technology (IT) skills necessary for them to be both

1. Discipline electives are defined as additional non-compulsory ITEC, business foundation (BUSS), business or information technology related, or chair approved courses.
2. BTI students are eligible to complete a maximum of three work placements. Students must pass all required ITEC courses in the academic year preceding their placement and maintain a 70% average to be eligible to apply for work placements. Contact the career advisors for additional details.
3. Students seeking credit from previous post-secondary studies must apply for a Transfer Credit Assessment by submitting a Transfer Credit Assessment application (available at the Student Service Centre or online at www.cbu.ca/applications along with the assessment fee and official transcripts from institutions from which they are seeking transfer credit. Refer to CBU admission procedures for additional details.

Bachelor of Business Administac c

ADDITIONAL FEES

Regular Cape Breton University tuition and fees apply to all courses. A yearly membership fee, in addition to Cape Breton University tuition and fees, is required by the Canadian Institute of Management.

For further information
Contact Wendy Wadden (902) 563-1229 or e-mail: wendy_wadden@cbu.ca

Professional Development Certificate Program

This program is designed to meet the needs of both public and private sector employees and those who want to both develop and enhance work-related skills, as well as to participate in an accredited professional development opportunity. Courses are multi-MG6(70M(l)3(o2604-1(o)2(g)7(r)-1(TJ 0 5.578)1( )]TJ 0 Tc 0 Cw 11.217 025re f* EM</MCID 6 >>BDC 0 Td-23.1

Integration Course	N/A

Note: The Integration course must be taken last. Completion of Module I leads to the Letter of Accomplishment and completion of Module I and Module II leads to the Associate of the Institute of Canadian Bankers (AICB).

The Credit Union Institute of Canada

In affiliation with Cape Breton University, the Credit Union Institute of Canada currently offers two programs of study, each leading to a professional designation.

Certified General Accountants Association (CGA)

The Certified Accountants Association of Canada, Atlantic Region, is an association of professional accountants. All members have met the Association's requirements of professional competency, are bound to a uniform standard of conduct and are entitled to the designation, CGA. In co-operation with Cape Breton University, there are exemptions leading to the CGA designation.

Atlantic School of Chartered Accountancy (ASCA)

The Institutes of Chartered Accountants of New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland are participants of the Atlantic School of Chartered Accountancy (ASCA). The primary objective is to provide a prequalification study program for students wishing to enter the profession.

Prospective CAs must first obtain an undergraduate degree and employment with a CA firm, to be admitted as students in the ASCA program. Students will then undertake a number of prescribed modules of study and must pass evaluations in each course. After completion of these module courses they are then required to sit the uniform evaluations (UFE) in order to receive the designation of CA.

The Insurance Institute of Canada (FIIC)

The Insurance Institute of Canada Fellowship Program is designed for candidates who have already completed their Association (AIIC), although concurrent enrolment is permissible in some circumstances.

Specific details on these programs are astTf.6 eva-13(hen r6(c)-8(um)-12(s)- e t)-13(heof)-e(t)-1(T9 0 Td 0-1(he)-12(A)2(t)-1(l)( )])-

SCHOOL OF PROFESSIONAL STUDIES

ROBERT BAILEY, PHD DEAN

Established to provide institutional and community leadership in education and research relevant to the disciplines delineated by its name, the School of Professional Studies offers a variety of degree, diploma and certificate programs.

Degree, Diploma and Certificate Programs

GRADUATE DEGREE
Master of Education (Information Technology) conferred by Memorial University of Newfoundland

PROFESSIONAL DEGREE
Bachelor of Education

UNDERGRADUATE DEGREE
Bachelor of Science Nursing
Bachelor of Health Sciences (Public Health)
Bachelor of Science in Human Nutrition (Transfer)

GRADUATE DIPLOMAS
Diploma in Education (Counseling)
Diploma in Education (Curriculum)
Diploma in Educational Technology

GRADUATE CERTIFICATES
Certificate in Educational Studies (Arts Education)
Certificate in Educational Studies (Sabbatical Offering)

SCHOOL OF PROFESSION

- 6 credits in Developmental Psychology

All students are required to have an undergraduate degree from a recognized university, with a minimum of 90 credit hours completed.

Students in good academic standing, who have achieved an average of at least 65% throughout their undergraduate degree and an average of at least 70% in the last 60 credits attempted, are eligible for admission to the program.

Program Requirements

B.ED CORE COURSES (REQUIRED FOR BOTH ELEMENTARY AND INTERMEDIATE/SECONDARY)

EDUC4101	Sociology of Education (3 credits)
EDUC4103	Inclusive Education (3 credits)
EDUC4106	Philosophy and History of Education (3 credits)
EDUC4107	Assessment Of and For Learning (3 credits)

B.ED – ELEMENTARY ADDITIONAL CORE

EDUC4111	Facilitating a Comprehensive Literacy Program at the Elementary Level (3 credits)
EDUC4113	Teaching an Integrated Science Curriculum (3 credits)
EDUC4115	Teaching an Integrated Social Studies Curriculum (3 credits)
EDUC4116	Mathematics at the Elementary Level (3 credits)
EDUC4117	Assessment and Curriculum Instruction in Elementary Education (3 credits)
EDUC4118	Principles and Practice of Elementary Education (3 credits)
EDUC4989	Internship in the Elementary School (15 credits)

Required: Five Grade 12 advanced or academic (university preparatory) courses including English; Mathematics; and two sciences (Chemistry and Biology recommended), with an overall average of at least 65% in both Grades 11 and 12.

Early fall admission from Grade 12 with an average of 80% from five Grade 11 advanced or academic (university preparatory) courses including English; Mathematics; and two sciences (Chemistry and Biology recommended), with a minimum grade of 80% in math and sciences. Applicant must also be registered in required grade 12 courses as listed above.

Admission from University

Applicants attending or having attended a University must meet the same requirements as listed above but can also complete the course requirements by taking degree level courses. A minimum mark of 60% is required in degree level courses.

BACHELOR OF SCIENCE NURSING PROGRAM REQUIREMENTS			
YEAR ONE (33 credits)	YEAR TWO (39 credits)	YEAR THREE (30 credits)	YEAR FOUR (30 credits)
NURS1101	NURS2101	NURS3101	NURS4101
NURS1103	NURS2103	NURS3102	NURS4103
NURS1104	NURS2104	NURS3103	NURS4104
BIOL1101	NURS2990 (Spring)	NURS3100	NURS4990
MICR2101	NURS2105	NURS3104	NURS4105
CHEM1101	NURS2106	NURS3105	NURS4106
CHEM1103	BIOL3200	6 credits arts/science electives	NURS4801 - Advanced major only
PHIL 2129	NUTR2104		

The normal admission requirements are:

- An average of at least 60% in each of the first and second years;
- Grades of at least 65% in each NURS course;
- No nursing practice improvement in the first and second years.

Exceptions to these requirements require the approval of the Dean.

COURSE PATTERN

The course pattern is the same as for the general BScN, except that the three credits earned for NURS 499 will replace three of the required nine open electivoi(ent)-1(s).3(e)]TJ 0 Tc 0 9.44.566 0 Td ( )Tj EMC ET /P <</MCI7 15 >>BDC BT /TT0 1 -Tc

Term Eight (Winter)
ENVI2161 Air Pollution
PUBH4101 Health Risk Assessment
PUBH4106 Public Health Education
PUBH4111 Integrated Pest Management
Free Elective

The four-year program is available to secondary school graduates and is composed of 40 term courses. Upon completion of this program, students are academically eligible to apply to take the national certification examinations leading to the credential Certified Public Health Inspector (Canada) CPHI(C). An appropriate 12-week practicum is also a requirement for certification. Compliance with CIPHI practicum criteria and other certification requirements is a student responsibility, and does not lie with CBU.

TWO-YEAR ACCELERATED POST DIPLOMA/DEGREE FOR MAT

Term One (Fall)
PUBH1103 Issues in PH
PUBH2103 Public Health Law
PUBH2105 Public Health Inspection
PUBH2107 Emergency Preparedness
PUBH3105 Public Health Ethics
PUBH4105 Occupational Health and Safety Legislation

Term Two (Winter)
NUTR1101 Community Nutrition
ENVI2163 Occupational Hygiene
PUBH3101 Food Hygiene
PUBH3103 Public Health Administration
PUBH3106 Epidemiology
PUBH4104 Food Borne Disease

Term Three (Fall)
PUBH2108 Engineering Issues in PH
PUBH2106 Food Quality
PUBH3104 Toxicology
PUBH4108 Biocontaminants in Indoor Environments
PUBH4109 Waste Management
PUBH4107 Quality & Environmental Project Management

Term Four (Winter)
PUBH2101 Municipal Services
PUBH4103 Communicable Disease Control
ENVI2161 Air Pollution
PUBH4101 Health Risk Assessment
PUBH4106 Public Health Education
PUBH4111 Integrated Pest Management

An average of 60% must be achieved in the 24 courses listed in the two year option. Graduates are eligible to receive a Bachelor of Health Sciences (Public Health) degree.

Upon completion of this program, students are academically eligible to apply to take national certification examinations leading to the credential Certified Public Health Inspector (Canada) - CPHI(C). An appropriate 12 week practicum is also a

requirement for certification. Compliance with CIPHI practicum criteria and other certification requirements is a student responsibility and does not lie with CBU.

ONE-YEAR PROFESSIONAL DEGREE COMPLETION FORM AT

Students who already hold the CPHI(C) credential are eligible to receive the Bachelor of Health Sciences (Public Health) degree upon completion of the 12 term courses below, offered via distance education (online). Two of these courses are offered in each term by rotation, requiring a minimum of six terms (24 months) to complete the program.

PUBH2107 Emergency Preparedness
PUBH3103 Public Health Administration
PUBH3104 Toxicology
PUBH3106 Epidemiology
PUBH4101 Health Risk Assessment
PUBH4103 Communicable Disease Control
PUBH4105 Occupational Health and Safety Legislation
PUBH4106 Public Health Education
PUBH4107 Quality and Environmental Project Mgt
PUBH4108 Biocontaminants in Indoor Environments
PUBH4109 Waste Management
PUBH4111 Integrated Pest Management

Bachelor of Science in Human Nutrition (Transfer)

A degree in Human Nutrition provides valuable information on eating well and opens exciting career opportunities (e.g. dietician or researcher). CBU offers courses in Nutrition, Chemistry, Biology, Mathematics, Business, and electives that will allow students to complete the first two years of an honours degree in Human Nutrition. A further two years of study at St. Francis Xavier University will complete the degree. Students who complete the required pattern of courses with an overall average in second year of a minimum of 55 % and a minimum average of 60 % in their Nutrition courses, will have the opportunity to enter the third year of the program at St. Francis Xavier University.

Admission Requirements

Five grade 12 academic or advanced courses including English; Math; two of Biology, Chemistry, Geology, or Physics; one other academic or advanced course with an average of at least 60%. Pre-calculus Mathematics, Chemistry and Biology are recommended.

REQUIRED COURSES

Year One
BIOL1101 Cell and Molecular Biology I (3 credits)
MICR2101 Introductory Microbiology (3 credits)
MATH1109 Introductory Statistics I (3 credits)
CHEM1104 General Chemistry I (3 credits)
CHEM1105 General Chemistry II (3 credits)
One of:
ACCT1203 Introductory Financial Accounting I (3 credits)
or
MRKT1301 Introduction to Marketing (3 credits)
or
MGMT3605 Human Resource Management (3 credits)

Plus:
MGMT2604 Organizational Behaviour I (3 credits)
Humanities or Social Sciences (6 credits)

counseling, testing and a supervised practicum, the diploma has proven beneficial to K-12 teachers in a variety of teaching and resource positions. Formal admission into the program is required. Courses are offered on a part-time basis allowing for the program to be completed in three years. Individual courses may be taken with the permission of the Dean.

REQUIRED COURSES

EDUC5109 An Introduction to Theories and Issues in Counseling (3 credits)
EDUC5111 Cultural Issues in an Educational Setting (3 credits)
EDUC5113 Human Relations Development (3 credits)
EDUC5114 Career Counseling (3 credits)
EDUC5142 Individual Testing (6 credits)
EDUC5150 Identification and Remediation of Learning Difficulties (6 credits)
EDUC5991 Counseling Practicum I (3 credits)
EDUC5993 Counseling Practicum II (3 credits)

Diploma in Educational Technology

This program is designed to improve the technological skills of classroom teachers and to provide an in-depth exploration of the integration of technology across the curriculum. It is appropriate for teachers of all subject areas. Computer access is required as the program is delivered entirely over the World Wide Web. This program may lead to further education throughisein.506 g8 0 Td (hof)-13-j4e D4C2eI hofe f mat(al)3(T)-13(ec)-8(hno)-12logss progra-46(eb)

SCHOOL OF SCIENCE AND TECHNOLOGY

DAVID MCCORQUODALE, PHD - DEAN

The School of Science and Technology is the home of a wide variety of courses and programming in science, engineering and technology. The offerings include:

Bachelor of Science Degree - Four Year Honours, Four Year Major, Four Year Double Major and Three Year General:
Biology
Chemistry
Mathematics
Psychology

Bachelor of Science Community Studies Degree - Psy

Departments

Biology

Chair, Sean Modesto, PhD

The Department of Biology delivers courses in Biology and MSIT for all degree programs. It includes Biology and Integrative Science faculty with primary responsibility for the BSc in Biology, the BScCS in Biodiversity and the BScCS in Integrative Science. The Department of Biology shares responsibility for the BScCS in Psychology, Health and Environment with the Department of Psychology.

Chemistry

Chair, Adango Miadonye, PhD

The department offers CSC accredited four-year BSc Honours and BSc major programs in Chemistry. Three-year general BSc and BA degrees with a concentration in Chemistry are also available. Chemistry can be used as the first or second major in the BSc double major or BSc double major with honours degree programs.

Engineering

Chair, Bill Bailey, MSc, PEng

CBU houses the newest Engineering Department in the province and is second in size only to that at Dalhousie University. The department is responsible for the Engineering Transfer Diploma, Engineering Technology Diploma, Bachelor of Technology Degree and the Bachelor of Engineering Technology Degree programs.

Mathematics, Physics and Geology

Chair, Edmund Rudiuk, PhD

The Department of Mathematics, Physics and Geology includes faculty in Mathematics, Physics and Geology with primary responsibility for the BSc in Mathematics and the Computer Science Transfer program.

Psychology

Chair, Katherine Covell, PhD

The Department of Psychology focuses on the scientific study of mental processes and delivers a full range of courses for Psychology majors in the three- and four-year BA, BSc and BACS programs.

Bachelor of Science

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English; two Sciences (one of which must be Biology, Chemistry, or Physics); and Mathematics or Pre-Calculus Mathematics with an overall average of at least 60%. Recommended: Pre-Calculus Mathematics.

Students may substitute one Grade 12 open course for one advanced or academic course, except where a particular course is specified. Environmental Science 12 may be used as the second science with Biology, Chemistry or Physics. These regulations were accurate at the time of printing. Some changes are anticipated. Please check with the Dean’s office for current regulations.

Three- and four-

8. 3 credits of Organic Chemistry must be included in one of the following categories: area of minor, science electives, or free electives.
9. 3 credits of Statistics (one of MATH1109, MATH2106, or PSYC2101) are required.

A four -year degree with a Biology m ajor with h onours requires:

1. Core Courses - 18 credits
   - 6 credits English at 1000 and/or 2000 level
   - 6 credits PHIL 2222, or 3 credits HUMA/Social Science and 3 credits of a 2000-level PHIL. A social science is ANTH, AN/S, ECON, POLS, SOCO, or PSYC.
   - 6 credits MATH: To fulfil the mathematics requirement students must include 3 credits from MATH1101, MATH1105, or MATH1109 PLUS 3 additional credits from any MATH course other than MATH1107, MATH1208, , MATH1114, MATH1215 and MATH1216.
2. Biology Major - 54 credits
   - 18 credits BIOL: BIOL1101, BIOL1601, BIOL2101, BIOL2501, BIOL4900.
   - 36 credits additional BIOL courses of which 18 credits must be beyond the 2000 level including at least 6 credits at the 4000 level.
3. Area of Minor - 12 credits
   - From a second discipline of science: CHEM, GEOL, MATH, MSIT, NUTR, PHYS, or PSYC.
4. Science Electives - 12 credits
   - Generally courses from BIOL, CHEM, GEOL, MATH, MSIT, NUTR, PHYS, and PSYC are acceptable - some exceptions exist.
5. Free Electives - 24 credits
6. An average of 75% in courses in Biology major in last three years of program.
7. An average of 70% over the entire 120-credit program.
8. 3 credits of Organic Chemistry must be included in one of the following categories: area of minor, science electives, or free electives.
9. 3 credits of Statistics (one of MATH1109, 2106, or PSYC2101) are required.

A four -year double major degree with Biology as the f irst major requires:

1. Core Courses - 18 credits
   - 6 credits English at 1000 and/or 2000 level
   - 6 credits PHIL 2222, or 3 credits HUMA/Social Science and 3 credits of a 2000-level PHIL. A social science is ANTH, AN/S, ECON, POLS, SOCO, or PSYC.
   - 6 credits MATH: To fulfil the mathematics requirement students must include 3 credits from MATH1101, MATH1105, or MATH1109 plus three additional credits from any MATH course other than MATH1107, MATH1208, MATH1114, MATH1215 and MATH1216.
2. Biology Major - 54 credits
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SCHOOL OF SCIENCE AND TECHNOLOGY

A degree with h onours in the a rea of the f irst major and major in the a rea of the s econd major may be awarded where the additional requirements for the 4 -year BSc degree with h onours have been met.

CHEMISTRY

A three -year degree requires:

1. Core Courses - 18 credits
   - 6 credits English at 1000 and/or 2000 level
   - 6 credits PHIL or HUMA/PHIL: 2222, or 3 credits HUMA/Social Science and 3 credits of a 2000-level PHIL. PHIL2222 is highly recommended. A social science is ANTH, AN/S, ECON, POLS, SOCO, or PSYC. PSYC cannot be used in the core for Psychology Degree programs.
   - 6 credits MATH1105 (or 1206)
2. Chemistry Specialization - 36 credits
   - 24 credits CHEM: CHEM1104, CHEM1105, CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2501, CHEM2403
   - 12 credits additional CHEM with at least 6 credits beyond the 2000 level.
3. Other Science - 12 credits
   - From a second discipline of science: BIOL, ENGI, GEOL, MATH, NUTR, PHYS, or PSYC.
4. Free Electives - 24 credits.
5. An average of 60% in courses in Chemistry specialization in last two years of program.
6. An average of 55% over the entire 90-credit program.

A four -year degree with a Chemistry m ajor requires:

1. Core courses (18 credits)
   - 6 credits English at 1000 and/or 2000 level
   - 6 credits PHIL or HUMA/PHIL: 2222, or 3 credits HUMA/Social Science and 3 credits of a 2000-level PHIL. PHIL2222 is highly recommended. A social science is ANTH, AN/S, ECON, POLS, SOCO, or PSYC. PSYC cannot be used in the core for Psychology Degree programs.
   - 6 credits MATH1105 (1206)
2. Chemistry Major - 54 credits
   - 27 credits CHEM: CHEM1104, CHEM1105, CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2501, CHEM2601, CHEM2403
   - 27 credits additional CHEM to include 24 credits above the 2000 level of which at least 9 credits are at the 4000 level. Courses to include at least 3 of the 5 sub-disciplines for Chemistry (organic, inorganic, analytical, physical, biochemistry).
3. Area of minor - 12 credits
   - From a second discipline of science: BIOL, ENGI, GEOL, MATH, NUTR, PHYS, or PSYC.
4. Science electives - 12 credits
   - Generally courses from BIOL, CHEM, GEOL, MATH, NUTR, PHYS, and PSYC are acceptable.
5. Free e ro 6Tj EMC /LBody <</MCID 99 >>BDC -0.002 Tc 0.01.434 0 Td [(di)3(s)-87 Td (s-13(oS o)o4 Td (3age(s)-8(

- 6 credits MATH1105

- 27 credits CHEM: CHEM~~1106~~1104, CHEM~~1107~~ 1105CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2501, CHEM2601, CHEM2403,
- 24 credits additional CHEM to include 21 credits above the 2000 level of which at least 9 credits are at the 4000 level. Courses to include at least 3 of the 5 sub-disciplines of Chemistry (organic, inorganic, analytical, physical, biochemistry).
- 6 credits thesis (CHEM4900)

3. Area of Second Major – 36 credits
   - All from one science other than Chemistry (BIOL, GEOL, MATH, NUTR, PHYS, or PSYC. If MATH, then 6 credits of mathematics in the core will be replaced by 6 credits of Social Science Electives.
   - Must include at least 9 credits above the 2000 level, with at least 3 of these at the 4000 level.
4. Free electives – 9 credits
5. An average of 65% in courses in Chemistry major in last three years of program.
6. An average of 60 % in courses in area of second major in last three years of program.
7. An average of 60% over the entire 120 credit program.
8. MATH1116, MATH2113 (CHEM3201), MATH2214 (CHEM3203), PHYS1104 and PHYS1204 MUST be included in 2, 3 or 4 above.

A degree with h onours in the area of the f irst major and major in the area of the s econd major may be awarded where the additional requirements for the 4 -year BSc degree with h onours have been met.

MATHEMATICS

Bachelor of Science – Three year

1. Core Courses - (non-math) (12 credits)
   - 6 credits English at 1000 and/or 2000 level
   - 6 credits PHIL 2222, or 3 credits HUMA/Social Science and 3 credits of a 2000-level PHIL. A social science is ANTH, AN/S, ECON, POLS, SOCO, or PSYC.
2. Mathematics - 36 credits
   - 21 creditsts

- 30 additional MATH credits of which at least 24 credits must be at 3000 level or above with at least 9 credits at the 4000 level (cannot use MATH1101, 1114, 1216 or 1215).

3. Area of Minor - 18 credits
   - All from one science other than Mathematics (BIOL, CHEM, ENGI, GEOL, NUTR, PHYS, or PSYC)

   OR
   - 12 credits in one science other than Mathematics (BIOL, CHEM, ENGI, GEOL, NUTR, PHYS, or PSYC) and 6 credits in another science (other than Mathematics). May be Economics or Business.

   Economics and/or Business will be considered science for this section.
4. Science Electives - 12 credits
5. Free Electives - 24 credits
6. An average of 65% in courses in Math major in last three years of program.
7. An average of 60% over the entire 120-credit program.
8. Computer proficiency must be shown using MATH1116.

Bachelor of Science – Four year Major with Honours

1. Core Courses - 12 credits
   - 6 credits English at 1000 and/or 2000 level
   - 6 credits PHIL 2222, or 3 credits HUMA/Social Science and 3 credits of a 2000-level PHIL. A social science is ANTH, AN/S, ECON, POLS, SOCO, or PSYC.
2. Mathematics Major - 54 credits
   - 6 credits - MATH4900
   - 24 credits - MATH1204, MATH1105 (or MATH1203), MATH1206, MATH2101, MATH2103, MATH2106, MATH2208, and MATH2109.
   - 24 additiona

4. Science Electives - 6 credits
5. Free Electives - 12 credits
6. An average of 65% in courses in area of first major in last three years of program.
7. An average of 60% in courses in area of second major in last three years of program
8. An average of 60% over the entire 120 credit program.
9. Computer proficiency must be shown using MATH1116.

A degree with h onours in the area of the f irst major and major in the area of the s econd major may be awarded where the additional requirements for the 4 -year BSc degree with h onours have been met.

PSYCHOLOGY

A three -year degree requires:

1. Core Courses - 18 credits
   - 6 credits English at 1000 and/or 2000 level
   - 6 credits: PHIL 2222, OR any (3-credit 2000-level Philosophy AND 3-credits of {Humanities OR a Social Science [other than Psychology]}).
   - 6 credits MATH except MATH1107, MATH1208, , MATH1114, MATH1215 and MATH1216.
2. Psychology Specialization (36 credits)
   - 18 credits required Psychology courses: PSYC1100, PSYC2101, PSYC2111, PSYC3101, and PSYC3213.
   - 18 credits of other Psychology courses.
3. Other Science - 12 credits
   - All from one science other than Psychology (BIOL, CHEM, GEOL, MATH, MSIT, NUTR, or PHYS).
4. Free Electives - 24 credits
5. An average of 60% in courses in Psychology Specialization in last two years of program.
6. An average of 55% over the entire 90-credit program.
7. Computer proficiency met with PSYC3101.

A four -year degree with a Psychology m ajor requires:

1. Core Courses - 18 credits
   - 6 credits English at 1000 and/or 2000 level
   - 6 credits: PHIL 222, OR any (3-credit 200-• 6 credits EnA00vT( )]T0.002 ex(E)2 ( )TjpJ 0.002 Tw 8.759 0 T03(D3(T( )]T0

- 6 credits: PHIL 222, OR any (3-credit 200-level Philosophy AND 3-credits of {Humanities OR a Social Science [other than Psychology]}).
- 6 credits MATH except MATH1107, MATH1208, , MATH1114, MATH1215 and MATH1216.

2. Psy(M)- cr ,. . MAT,02 Tc 0.002 Tw 0.566A•

Note: Option 2 is not available to students whose subject of concentration is Mathematics. Students who have significant computing experience from other programs, work experience, private study or other non-traditional sources, will receive appropriate consideration and will not be unreasonably required to take further courses in this area. The Department of Mathematics, Physics and Geology will have a special responsibility for establishing and maintaining access to an assessment procedure for students claiming credit for such computing experience.

Bachelor of Science Community Studies

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English; two Sciences (one of which must be Biology, Chemistry, or Physics); and Mathematics or pre-calculus Mathematics with an overall average of at least 60%. Recommended: Pre -calculus Mathematics.

Students may substitute one open course for one advanced or academic course except where a particular course is specified. Environmental Science 12 may be used as the second science with B iology, Chemistry or P hysics.

The four-year Bachelor of Science Community Studies program requires the successful completion of 20 courses (120 credits) including eight core curriculum courses (48 credits), seven area of concentration courses (42 credits), and five elective courses (30 credits). Students must also complete two work placements (voluntary or paid and each at least 120 hours); these do not count as credit courses in the BScCS.

It is strongly recommended that students contact CBU's Student Advisors to discuss their two wor k placements within the first year of their program.

CORE

Courses in the core must include the following Community Studies (COMS) courses:
COMS1100 Analysis and Decision Making (6 credits)
COMS2100 Applied Research (6 credits)
COMS3100 Community Intervention (6 credits)

Other courses in the core must satisfy the following topic and credit requirements:

1. Science and technology perspectives (6 credits)
   Recommended: PHIL2222 or equivalent
2. World views and values (3 credits)
   Recommended: PHIL1127 or equivalent
3. Aboriginal perspectives (3 credits)
   Recommended MIKM at 1000 or 2000 level or equivalent
4. Business perspectives (3 credits)
   Recommended: MGMT1601, MRKT1301 or equivalent
5. Public communication (3 credits)
   Recommended: COMM1103 or COMM1105
6. Effective writing (6 credits)
   Recommended: two of ENGL1101, 1103, 1105 or, ENGL1111 and 1113 or equivalent
7. Computer literacy (3 credits)
   Recommended: PHIL1103, COMP1163, MGSC2101 or equivalent
8. Statistics (3 credits)
   Recommended: MATH1109, MGSC1108, PSYC2101 or equivalent

Please contact either the Dean of Science and Technology or the Dean of Arts and Social Sciences for information on topic equivalents.

AREA OF CONCENTRATIO N

Courses in the area of concentration must include 18-24 credits from those deemed to be university sciences and six to eight term courses from those deemed to be technology. Overall, at least 15 credits must be at or beyond the 3000 level, including at least six at the 4000 level. The particular courses that make up an area of concentration are determined by the

Bachelor of Technology (Emergency Management)

Admission Requirements

This post-graduate program is open to students who have completed a diploma or degree in Environmental Technology or a diploma or degree in Public Health. Students who have completed another diploma or degree will be considered on an individual basis.

The BTech (Emergency Management) degree is designed to teach the student scientific methods to be applied to the problems of forecasting and dealing with natural and man-made emergencies. Students will develop critical thought through discussion and a discursive system of presentation. The human element is stressed, as well as the physical and management services. There is emphasis on the understanding of emergency preparedness as a form of environmental protection and control.

Students completing the program will be equipped to perform the duties of an Emergency Manager/Disaster Planner in a number of contexts. They will qualify for national designation, which is awarded by the International Association of Emergency Managers and the Disaster Recovery Institute.

The degree consists of seven, six credit courses (42 credits). These courses will be delivered via distance education, with workshops and laboratories being held at various locations as needed. Courses cover material considered essential to the understanding of disaster management and risk assessment and provide academic recognition for emergency managers and related professionals.

REQUIRED COURSES
EMGN4100

THREE -YEAR FORMAT

Term One (Fall)
MATH1107 Math I
PHYS1101 Elements of Physics I
ENGI1161 Industrial Safety and Applied Shop Practices
ENGI1165 Engineering Graphics
ELEC1161 Fundamentals of Electricity I
COMP1163 Computer Applications

Term Two (Winter)
MATH1208 Math II
PHYS1201 Elements of Physics II
DRAF1163 Industrial Applications of Drafting
COMM Elective
ELEC1164 Fundamentals of Electricity II
ELEC1165 Analog Electronics

Term Three

BET Degree program Prospective students are encouraged to contact their college for information on the agreement with CBU, or contact CBU directly. Where no agreement exists, individual consideration will be given to possible transfer credits. In any case, however, residency requirements must still be met.

CBU has an agreement with the NSCC that allows entry into year two of the Electrical Technology Diploma Program for graduates of related Technician programs. Prospective students are encouraged to contact their college for information on the agreement with CBU or to contact CBU directly

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Electives.

Graduation requirement: For this three year program, a minimum of all courses in the program (or approved equivalent) must be completed to be eligible for graduation.

Note: Sequencing of some courses may be different from the formats shown above.

Bachelor of Engineering Technology (Manufacturing)

This degree program combines theoretical principles with the hands-on experience and technical courses related to the manufacturing industry. Aspects unique to mechanical engineering, design, materials properties, machines/robotics, along with quality, cost and human factors in manufacturing operations are emphasized. The program is available in a three year format.

The extraordinary quality of this program was nationally recognized for innovation by the 2003 Yves Landry Award, as Canada's Top Manufacturing Program.

Admission Requirements

Currently, applications will be accepted into the Manufacturing stage only, with the successful completion of an acceptable Technology diploma.

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Bachelor of Engineering Technology (Petroleum)

This degree program combines theoretical principles with the hands-on experience and technical courses related to the offshore petroleum industry. Aspects unique to exploration, drilling, and production operations in the marine environment are emphasized. The program is available in a three year format.

Admission Requirements

High School Graduates : Five Grade 12 advanced or academic courses including English, Mathematics and two other sciences; (Physics and Chemistry recommended) with an overall average of at least 60%.

Diploma/Degree Graduates : Appropriately accredited community college diploma at the technologist level, or university science degree, where the programs are a reasonable match. CBU has agreements with many colleges which specifies the matching programs and, in some cases, matching courses that allow transfer credits.

Partially completed diploma/degree : Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering Department

THREE-YEAR FORMAT

Term One (Fall)

MATH1107	Math 1
PHYS1101	Elements of Physics I
ENGI1161	Industrial Safety and Applied Shop Practices
ENGI1165	Engineering Graphics
GEOL2101	Engineering Geology
COMP1163	Computer Applications

Term Two (Winter)

MATH1208	Math II
PHYS1201	Elements of Physics II
ENGI1168	Fluid Mechanics
PETR1161	Drilling Engineering
PETR1131	Petroleum Product and Processing
DRAF1163	Industrial Applications of Drafting

Term Three (Fall)

MATH2104	Math III
COMM	Elective
ENGI1163	Statics
PETR2161	Reservoir Engineering I
PETR2131	Marine Environment Protection, Safety and Loss Control
PETR2163	Petroleum Process Simulation
PETR2135	Production Engineering

Term Four (Winter)

MANF3131	Total Quality Management
PETR2731	Selected Topics
PETR2164	Advanced Process Simulation
PETR2134	Materials and Equipment Design
PETR2165	Senior Petroleum Project
ELEC2168	Programmable Logic Controllers

Students wishing to start their careers early may choose to graduate with the Petroleum Engineering Technology Diploma after successfully compl

Term Five (Fall)

ENGI2101	Engineering Economics
PETR3131	Management of Technological Innovation I
PETR3163	Process Control and Optimization Systems
PETR3133	Project Design and Evaluation Techniques
PETR3134	Codes and Specifications in the Petroleum Industry

Term Six (Winter)

PETR3164	Distributed Control Systems and PLC
PETR3161	Management of Technological Innovation II
MECH2166	Fluid Power
XXX	Ethics Elective
XXX	Chemistry Elective

Substitution: Note that ELEC2160 may be selected in place of both PETR3163 and one elective.

Transfer Credit: CBU has an agreement with many colleges which results in transfer credit being given to specified Engineering Technology Diploma graduates, such that as few as 36 credits from CBU would be required to complete the BET Degree program Prospective students are encouraged to contact their college for information on the agreement with CBU or contact CBU directly. Where no agreement exists, individual consideration will be given to possible transfer credits. In any case, however, residency requirements must still be met.

Electives : Selection of all electives must be done through prior consultation with a faculty advisor from the program.

Residence requirements : Graduation with the degree (or diploma) normally requires that the student take a minimum of 50% of the program's required courses from CBU. CBU distance courses can be included to meet the residency requirements. Some joint programs, such as the articulation agreements previously noted in the Transfer Credit section may allow special circumstances which differ from this minimum.

Graduation requirement : In the three year program, a minimum of all courses in the program (or approved equivalent) must be completed to be eligible for graduation. Graduation with a co-op designation requires successful completion of a minimuonn

ENGI2133 Environmental Engineering

CIVIL ENGINEERING
ENGI2163 Dynamics
ENGIXXX Thermo-Fluid Engineering II
GEOL2101 Engineering Geology

ELECTRICAL ENGINEERING
ENGI2101 Engineering Economics
ENGI2167 Engineering Digital Logic
ENGI2168 Circuit Analysis

INDUSTRIAL ENGINEERING
ENGI2101 Engineering Economics
ENGI2163 Dynamics
ENGI2133 Environmental Engineering

MECHANICAL ENGINEERING
ENGI2101 Engineering Economics
ENGI2163 Dynamics
ENGIXXX Thermo-Fluid Engineering II

MINERAL RESOURCES ENGINEERING
ENGI2101 Engineering Economics
ENGI2133 Environmental Engineering
GEOL2101 Engineering Geology

An average of 60% with no mark below 60% in courses to be transferred into the program is required for admission to second year in Computer Science.

For details of the Chemical Processes and Electronics options at Dalhousie, students should consult the calendar of that university.

Other Science Programs

A student is able to complete one or two years of a BSc program at CBU in Geology and Physics and a combined BSc in a science and Business.

Most universities require an initial degree (not necessarily in science) for entry into medicine or architecture. The courses required for admission to pharmacy, veterinary science, dentistry and physiotherapy may be available at CBU. Students should consult the appropriate university for exact requirements.

MATH2106/1204
CHEM1104, CHEM1105
ENGI2167
ENGI2166/2168
3 credit free elective

YEAR THREE (combined with Engineering Diploma, Electrical)
6 credits Mathematics at 3000 level or above
MATH1217
MATH2103/2211
PHIL2222
ENGI2164/2135
6 credit Social Science core requirement

YEAR TWO (combined with Engineering Diploma, Mechanical or Mining)
MATH2101
MATH2109/2208
MATH2106/1204
CHEM1104, CHEM1105
ENGI2101/2169
ENGI2163
3 credit free elective

YEAR THREE (combined with Engineering Diploma, Mechanical or Mining)
6 credits Mathematics at 3000 level or above
MATH2103
PHIL2222
ENGI2164/2131
ENGI2166/2135
6 credits Social Science core requirement

YEAR TWO (combined with Engineering Diploma, Metallurgical)
MATH2101
MATH2109/2208
MATH2106/1204
CHEM1104, CHEM1105
ENGI2101/2169
ENGI2135
3 credit free elective

YEAR THREE (co mbined with Engineering Diploma, Metallurgical)
6 credits Mathematics at 3000 level or above
MATH2103
PHIL2222
ENGI2164/2131
ENGI2166/2133
6 credits Social Science core requirement

Caution: Because of prerequisite arrangements in Mathematics, MATH1204 must be taken no later than the fourth semester. It is therefore NOT generally possible to complete the standard Engineering diploma, then spend an additional year to earn a BSc, in areas that require MATH1204.

Diploma Programs

Some of the Bachelor of Engineering Technology Programs in the School of Science and Technology allow a diploma exit point for students who wish to enter the workforce prior to completing their degree. Diplomas are offered in Electrical Technology (Electronics and Controls), Mechanical Engineering Technology and Petroleum Engineering Technology.

MI'KMAQ STUDIES COURSES ASTEACHABLES FOR THE BEd

MI'KMAQ STUDIES courses are recognized as a teachable for application to Nova Scotia BEd Programs.

NOTE:

For purposes other than the BScCS Toqwa'tu'kl Kjijitaqnn, MSIT1101, MSIT1103, MSIT2101, MSIT2103, MSIT3101, MSIT3103, MSIT4101 and MSIT4103 have been designated as science;

THREE YEAR BA/BACS, CONCENTRATION in MI'KMAQ STUDIES

The three-year BA/BACS, concentration in Mi'kmaq Studies, requires completion of 15 courses (90 credits).

BA

5 core courses (30 credits)
5 electives (30 credits) any discipline
5 courses (30 credits) in MI'KMAQ STUDIES

(See following departmental requirements.)

BACS

4 core courses (24 credits)
3 electives (18 credits) any discipline
4 courses (24 credits) Career
4 courses (24 credits) in MI'KMAQ STUDIES
(See following departmental requirements.)

CONCENTRATION IN MI'KMAQ STUDIES

MIKM11000 (6 credits) Compulsory
MIKM1102 (6 credits) Compulsory BA, Optional BACS
(6 credits) of MI'kmaq Studies at the 2000/3000 level* Choice from language/culture
(6 credits) of Mi'kmaq Studies at the 3000/4000 level*

MIKM1102	(6 credits)	Compulsory
MIKM3000*	(6 credits)	Choice (3630* + 3 credits) is recommended
MIKM3140*	(6 credits)	Compulsory
MIKM4140*	(6 credits)	Compulsory
MIKM4100*	(6 credits)	Compulsory
BACS		
MIKM	(6 credits)	Choice any 2000/3000*/4000* level course

*Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

ELECTIVES in MI'KMAQ STUDIES

Mi'kmaq Studies courses may be used as electives within the, BA, BACS and BBA and as free electives in the BSc degrees as well as part of the BEng transfer program (writing courses only).

BScCS Concentration in Toqwa'tu'kl Kjijitaqnn/Integrative Science

Students wishing to enroll in this program must consult the Academic Vice Principal of Unama'ki College, the Chair of the Department of Indigenous Studies, the Dean of the School of Science and Technology, the Dean of the School of Arts and Social Sciences, or the Student Service Centre for detailed program information.

PROGRAM DESCRIPTION

Toqwa'tu'kl Kjijitaqnn requires successful completion of 120 credits plus two work placements in a science or science-related environment. The overall degree structure consists of four parts and each part was designed to provide opportunities to learn science.

Toqwa'tu'kl Kjijitaqnn requires successful completion of the following courses:

UNAMA’KI COLLEGE STUDENT SERVICES

Mi’kmaq Student Services

Patrick Johnson, BA, (902) 563- 1415

COURSE DESCRIPTIONS

This section contains an alphabetical listing of courses offered by Cape Breton University. Comprehensive course descriptions and syllabuses are available from department chairs or individual instructors. All the courses listed will not necessarily be available during a particular academic session. The academic schedule should be consulted to determine the availability of a specific course.

Courses marked

ACCT3207 Intermediate Financial Accounting II

Credits: 3

Price level accounting, current value accounting, partnerships, fiduciary accounting, accounting for business in financial difficulties, non-profit and government accounting.

ACCT4208 Auditing

Credits: 3
Prerequisites: ACCT3207 or permission of the instructor.
Exclusions: Unavailable to students with credit for BUSS427.

What is the function of auditing in our society? Course imparts answers to this question by describing professional standards and ethics, legal liability, planning and conducting audits with an emphasis on the importance of internal control and the meaning behind the auditor's report. Presentations and participation are integral parts of the course.

ACCT4209 Taxation

Credits: 3
Prerequisites: ACCT1204.
Exclusions: Unavailable to students with credit for BUSS451.

Examines the Canadian tax system with emphasis on the determination of personal income tax utilizing computer software tax packages.

ACCT4701 Special Topics in Accounting

Credits: 3
Prerequisites: Academic regulations criteria and permission of the department.

Provides an opportunity to deepen studies in an area of accounting not available within the regular course of4MCID6ndang-20(age

ANTH2109 Culture, Distress and Psychiatric Abnormality

Credits: 3
Prerequisites: 6 credits introductory Anthropology and/or Sociology.
Exclusions: Unavailable to students with credit for ANTH237.

A cross-cultural examination of the interplay of culture, idioms of distress and healing

SOCO3306 Contemporary Issues in Education

Credits: 3
Prerequisites: 6 credits introductory Anthropology and/or Sociology.
Exclusions: Unavailable to students with credit for SOCO287.

A critical exploration of issues of diversity, privilege and marginalization in relation to curriculum and education as social institutions. May include discussions of critical pedagogy, multiculturalism, humane education, Afro-centric and/or Aboriginal-centred curricula.

ANTH3100 Survey of Anthropological Theory

Credits: 6
Prerequisites: 12 credits in Anthropology and/or Sociology.
Exclusions: Unavailable to students with credit for ANTH302 or ANTH232.

A critical review of the roots of current theoretical concepts and issues in sociocultural anthropology.

ANTH3101 People and Power

Credits: 3
Prerequisites: 12 credits in Anthropology and/or Sociology.
Exclusions: Unavailable to students with credit for ANTH331.

A critical overview of theories, themes and debates about power, both cross-culturally and across time, from the perspective of political anthropology.

ANTH3102 Field School in Historical Archaeology Cross-listed with HIST3102

Credits: 6
Prerequisites: 12 credits in Anthropology and/or Sociology. With explicit permission of the Department Chair, a student lacking the prerequisite may be admitted on the basis of relevant practical experience and parallel formal training in other disciplines.
Exclusions: Unavailable to students with credit for ANTH304, HERT340 or HIST340.

This course gives students field instruction in the techniques used in the excavation of an archaeological site. Hands-on instruction in manual excavation methods, mapping, field recording and laboratory analysis will prepare students as qualified archaeological field technicians. First class held on campus; all others at local field site.

ANTH3103 Mi'kmaq Nouns and Verbs Cross-listed with MIKM3313

Credits: 3
Exclusions: Unavailable to students with credit for ANTH361 or MIKM361.

Examines the morphological structure of Mi'kmaq nouns and verbs. The complex internal word grammar of Mi'kmaw is explored to give insight into the semantic categories of this endangered language.

ANTH3110 Applied Anthropology

Credits: 6
Prerequisites: 12 credits in Anthropology and/or Sociology.
Exclusions: Unavailable to students with credit for ANTH3110.

This course demonstrates anthropology's everyday relevance in identifying and addressing human needs in many areas (e.g., community development, education, medical care, social services and the workplace).

ANTH3113 Forensic Anthropology and Human Skeletal Biology

Credits: 3
Prerequisites: 12 credits in Anthropology and/or Anthropology/Sociology or 6 credits Anthropology and

AN/S3204 Culture, Technology and Environment I

AN/S3220 Social and Cultural Construction of Gender

Credits: 6
Prerequisites: 12 credits in Anthropology and/or Sociology.

SOCO3301 Cape Breton Society: Social

AN/S or ANTH or SOCO 3800 Directed Independent Study Topics, Junior Level

Credits: 6
Prerequisites: 12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 3-credit versions, 3801 and 3803; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

AN/S or ANTH or SOCO 3801, 3803 Directed Independent Study Topics, Junior Level

Credits: 3, 3
Prerequisites: 12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 6-credit version, 3800; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology-12(l).72(oc)-8 (l).72(oc)axiul-24(u)12(m)-24(of)-13(18 c)-8(r)-6(edi)3(t)-1(s)-8(

Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years.

AN/S or ANTH or SOCO4900 Senior Thesis in Anthropology and/or Sociology

Credits: 6
Prerequisites: 24 credits with 75% average in Anthropology and/or Sociology, including 6 credits in research methods (AN/S2210 or 2212) and/or in theory (ANTH3100 or SOCO3300); plus a one-page statement of motives and aims in taking the course and/or consultation with the professor before registration. Satisfies Group 6 of the four year major BA core. Required for Honours.

AN/S, ANTH, SOCO4900 is intended for high ability senior students specializing in Anthropology and/or Sociology, especially those who hope to prepare for admission to a Master's program. It is an individualized project, culminating in a formal thesis. In some years the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. Students seeking a similar but somewhat less demanding experience should consider 4811 and 4813.

ART (ARTT)

ARTT1100 Drawing

Credits: 6
Exclusions: Unavailable to students with credit for ARTT100.Satisfies the Group 4, BA core requirement.

An introductory studio course in the skills and techniques of drawing. Students progress from line through tone using a variety of media such as pencil and charcoal.

ARTT1101 Drawing

Credits: 3
Exclusions: Unavailable to students with credit for ARTT105.Can be used for the Group 4, BA core requirement.

Techniques in water-based media such as ink, watercolour and acrylic.

ARTT1102 Painting

Credits: 6
Exclusions: Unavailable to students with credit for ARTT120.
Can be used for the Group 4, BA core requirement.
A studio course in the techniques and methods of painting. Media used include oils, acrylic, watercolour and egg tempura. Covers all aspects of painting, from surface preparation to final presentation.

ARTT2100 General Studio

Credits: 6
Exclusions: Unavailable to students with credit for ARTT210.

An introductory studio course in the basic techniques and principles behind the visual arts. Media which may be explored include drawing, painting, sculpture, pottery and print making.

ARTT2102 General Studio II

Credits: 6

Exclusions: Unavailable to students with credit for BIOL389.

When and how to use quantitative methods in biological research. Students will learn how to design an observational or experimental study, as well as graphically summarize, analyse and interpret analyses of univariate and multivariate data from a biological research study. They will also learn about alternatives to the hypothesis testing paradigm for analyzing quantitative data.

BIOL3111 Molecular Regulation in Biological Systems

COURSE DESCRIPTIONS

Exclusions: Unavailable to students with credit for BIOL417.

A continuation of the study of molecular biology initiated in BIOL3121. Topics include a description of specialized vectors and advanced procedures and of their use in modern agriculture, industry and medicine. Course includes lab component. Normally offered every other year.

BIOL4201 Neurobiology Cross-listed with PSYC4231

Credits: 3
Prerequisites: BIOL3200 or PSYC3213.
Exclusions: Unavailable to students with credit for BIOL423 or PSYC423.

This course introduces basic anatomical and physiological principles of neuroscience extending from the basic biophysical properties of neurons and glia, to the physiological basis of sensory processing, motor behaviour and learning memory. Differs from PSYC321 in that basic physiology is studied in greater depth and there is no attempt at a general survey of behaviour.

BIOL4241 General Parasitology

Credits: 3
Prerequisites: BIOL2411 and at least 12 credits in Biology.
Exclusions: Unavailable to students with credit for BIOL405.

A comprehensive look at the evolution and phylogenetic relationships of fishes. Students survey their morphological, physiological, behavioural and ecological adaptations to their aquatic environments. Conservation management of fish habitats will be discussed. The laboratory will include studies of structural diversity, anatomy and osteology, morphometrics, age and growth and other selected topics. Course includes lab component. Normally offered every other year.

BIOL4501 Theoretical Ecology

Credits: 3
Prerequisites: BIOL2501.
Exclusions: Unavailable to students with credit for BIOL475.

Examines a broad spectrum of ecological theories, from optimal individual strategies to population interactions, theories of community, ecosystems and global stability within an evolutionary framework.

BIOL4503 Behavioural Ecology

Exclusions: Unavailable to students with credit for BIOL469.

An introduction to the theory and practice of phylogenetic systematics, the predominant methodology for evaluating the interrelationships of organisms. Students will learn the basic techniques of character analysis, tree building and evaluation of phylogenetic hypotheses. Application of methodology to classification, co-evolutionary studies, biogeography and extinction studies. Course includes lab component.

BIOL4801, 4803 Directed Study in Biology

Credits: 3
Prerequisites: 60 credits with an average of 70% in Biology courses completed.

An in-depth literature study in an area not covered by other Biology courses. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce an outline of the proposed study. Consult the Department Chair for details.

BIOL4804, 4805 Independent Project in Biology

Credits: 3
Prerequisites: 60 credits with an average of 70% in Biology courses completed.

A research project in an area of interest. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce a research proposal for the project. Consult the Department Chair for details.

BIOL4900 Honours Thesis in Biology

Credits: 6
Prerequisite: Admission and fourth-year standing in the BSc with Honours Biology program.

Includes the preparation of an original research proposal, completion of the proposed research project, analysis of data, preparation of a written thesis and oral defence of this thesis. Students planning to register in this course must consult the Department Chair in the term preceding the expected start date of the project.

BUSINESS ADMINISTRATION

The Business Administration program offers a solid foundation for careers in numerous fields such as private and public enterprise, cooperatives, and government service. It will also prepare the student for self-employment or for graduate study at the master’s or doctoral level in a wide variety of disciplines.

One of the primary objectives of the program is to develop women and men with a sound foundation in business fundamentals together with knowledge of traditional arts and science disciplines. In addition, the structure of the program enables students to concentrate in one of several different areas and to pursue an internship program which combines work terms with study terms.

CHEM1101 General Chemistry for Nursing and Allied Health Sciences

The theoretical basis of the fundamental principles of chemistry will be discussed. The emphasis is on derivations and the physical meaning of these. Topics include thermodynamics, solutions and phase equilibria. Students will be introduced to data handling by computer. Course includes lab component.

CHEM2203 Chemical Kinetics and Equilibrium

Credits: 3
Prerequisites: CHEM1105 and MATH1206.
Recommended: CHEM2201.

An intensive study of chemical equilibria including acid/base, precipitation, complex and electrochemical as well as statistical methods for analyzing data and some instrumental methods of analysis. Laboratories involve the quantitative analysis of unknowns. Course includes lab component.

CHEM2501 Introductory Inorganic Chemistry

Credits: 3
Prerequisite: CHEM1105.
Exclusions: Unavailable to students with credit for CHEM255.

The fundamentals of Inorganic Chemistry involving a study of the electronic structure, properties, reactivity and bonding characteristics of the main group elements. Laboratory experiments involve qualitative analysis of these elements and their compounds. Course includes lab component.

CHEM2601 Introductory Biochemistry

Credits: 3
Prerequisites: CHEM2301
Exclusions: Unavailable to students with credit for CHEM261.

A study of the unifying concepts of biochemistry, the structure of proteins, enzymes, nucleic acids, carbohydrates, lipids and a brief introduction to their metabolism. Course includes lab component.

CHEM3201 Mathematics for Chemistry I Cross-listed with 2113

Credits: 3
Prerequisites: MATH1105 or equivalent and 9 credits in Chemistry.
Exclusions: Unavailable to students with credit for CHEM301 or MATH251.

Topics covered will include the application of ordinary differential equations, vector algebra, matrices, determinants and operators to such areas of chemistry as point group theory, modern molecular orbital theory, factor analysis and eigenvalue problems. Course includes lab component. Normally offered every other year.

CHEM3203 Mathematics for Chemistry II Cross-listed with MATH2214

Credits: 3
Prerequisites: MATH1105 or equivalent, 9 credits in Chemistry and an introductory course in computing applications.
Exclusions: Unavailable to students with credit for CHEM302 or MATH252.

An overview of modern computer applications in chemistry. Topics will include use of software packages for molecular modeling, solution of simultaneous linear equations, linear and nonlinear least squares, regression on systems with two and three parameters and interpolation of experimental data. Course includes lab component. Normally offered every other year.

CHEM3204 Symmetry and Molecular Spectroscopy

Credits: 3
Prerequisites: CHEM1105, MATH1206, PHYS1204 and at least third year academic standing or permission of the instructor.
Exclusions: Unavailable to students with credit for CHEM305.

This course will introduce students to group theory and its application in molecular spectroscopy. The molecular basis of electronic, rotational and rotational-vibrational spectroscopies will be studied. Course includes lab component. Normally offered every other year.

homogeneous catalysis, high vs. low density polyethylene, transition metal catalyzed polymerizations, asymmetric catalysis and Pd catalyzed organic transformations. Normally offered every other year.

CHEM4403

COURSE DESCRIPTIONS

COMM2103 Nonverbal Communication

COMM3112 Public History and Museology — Cross-listed with HIST3112

Credits: 6
Prerequisite: Any 6 credits from Group 2 or by permission from the instructor.
Exclusions: Unavailable to students with credit for COMM380, HIST380, or HERT350.

COMM3138 Women and Communication

Credits: 3

COMM3701, 3703 Selected Topics in Communication

Credits: 3, 3
Prerequisite: 6 credits in Communication.
Exclusions: COMM351

Designed for upper-level students who are interested in a listed course that is not being offered during the current academic year. Students should consult the Department Chair for details and permission.

COMM3931 Facilitation Practicum

Credits: 3
Prerequisites: COMM3131 and permission of the instructor and Lab Coordinator.
Exclusions: Unavailable to students with credit for COMM323.

A 160-hour practicum that provides students with an opportunity to develop and strengthen their applied communication facilitation skills in an educational context while gaining first-hand experience in the design and delivery of communication training programs.

COMM4101 Rhetorical Theory

Credits: 3
Prerequisite: 6 credits in Communication.
Exclusions: Unavailable to students with credit for COMM401.

Examination of the nature of rhetoric through reading and discussing critical and theoretical works from classical to contemporary rhetoricians.

COMM4103 Communication Criticism

Credits: 3
Prerequisite: 6 credits in Communication.
Exclusions: Unavailable to students with credit for COMM403.

Critical evaluation of messages in a wide variety of communicative genres.

COMM4104 Sustainable Happiness Cross-listed with EDU(ab)-12(l)3(nd3(3)21(1(3(nd3c 0 Tw 27.7
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COMM4700 Special Topics in Communication

Credits: 6

Designed for upper-level students who are interested in a listed course that is not being offered during the current academic year. Students should consult the Department Chair for details and permission.

COMM4701/4703 Special Topics in Communication

Credits: 3, 3

Designed for upper-level students who are interested in a listed course that is not being offered during the current academic year. Students should consult the Department Chair for details and permission.

COMM4800 Directed Study

Credits: 6
Prerequisites: At least 30 credits in Communication and an overall average of 70% in Communication.

This course offers an advanced student of exceptional ability the opportunity to pursue individualized study in an area not otherwise offered in the course listings. Students should consult the Department Chair for details and permission.

COMM4900 Senior Thesis

Credits: 6
Prerequisites: At least 30 credits in Communication and an overall average of 70%.

An original research paper in which the student performs an in-depth study of an area of communication. The thesis must be a work of exceptional scholarship and is designed to prepare students for graduate programs or related further study. Students should consult the Department Chair for details and permission.

COMM4910 Honoursncri tH24P Tdp P T>BDC (e) 325 T:(s)-069>BDC (e) 34.56 464.76 542.88 0.48 re f* EMC BT 9P <</MC
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COMMUNITY STUDIES (COMS)

These courses are the core requirements of the Bachelor of Arts Community Studies degree program.

Courses marked

A course in which the student undertakes a research project in an area of interest to future education or career plans.

COMS0100 Police Preparatory Course

Credits: 0
Exclusions: Unavailable to students with credit for NOCR900.

This is a non-credit course that assists students in preparation for a career as a police officer. The course includes: policing career options, identification and forensics, police ethics, human rights, test anxiety counseling, crime prevention through social development, community policing, résumé development, physical fitness (PARE) preparation, range, drill and seminars with the Cape Breton Regional Police Service, RCMP and CBU faculty and staff. Past students have successfully completed police training programs at the Atlantic Police Academy in Prince Edward Island and RCMP training in Regina, Saskatchewan.

DRAFTING – ENGINEERING TECHNOLOGY (DRAF)

DRAF1163 Industrial Applications of Drafting

Credits: 3
Prerequisites: ENGI1165.
Exclusions: Unavailable to students with credit for DRAF126.

This is an advanced course in drafting. The focus of this course is on the industrial applications of drafting. Students will learn the details of multi-disciplined drawings for electrical, petroleum, environmental and manufacturing engineering technology. Topics include schematics, print circuit boards, gears and cams. Detailed and industrial applications of technical drawings using advanced AutoCAD applications are employed. This is a required course for all disciplines of technology.

DRAMA (DRAM)

All courses in this section can be used towards a Theatre Arts Certificate (please see Theatre Arts Certificate program requirements for further information) and to satisfy the Group 4 BA core requirement.

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DRAM3104 Stagecraft

Credits: 3
Prerequisites: DRAM1101 or permission of the instructor.
Exclusions: Not available to students with credit for DRAM311

This course covers all that the aspiring stage worker needs to know about properties, scenery, painting, sets, lighting and /P <<2 T

Prerequisites: ECON1101 and ECON1103.
Exclusions: Unavailable to students with credit for ECON302.

ECON3701, 3703 Special Topics in Economics

Credits: 3, 3

This course serves to expand on selected areas of economics studied by the student to fulfil the requirements of a major research paper. The topics selected will be mutually acceptable to students and professors.

ECON4101 Public Finance

Credits: 3
Exclusions: Unavailable to students with credit for ECON411.

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The theory and application of microeconomics and macroeconomics applied to the study of public goods and resource allocation with institutional intervention in market economics. Topics include social cost-benefit analysis, taxation and fispr i inc.ef iaors.(-)Tj -0.00.1t -

EDUC4107 Assessment of and for Learning

Credits: 3
Registration for this course is limited to Bachelor of Education students only .

This course is an introduction to the theory and practice of student evaluation or assessment. The course is designed to provide students with an understanding of the major underlying issues and measurement problems surrounding assessment and will facilitate the student's shift in role from the one being assessed to that of an assessor. Students will examine the process of formulating educational objectives, validity and reliability in student assessment, preparing assessment instruments, scoring, reporti

knowing and learning mathematics. Pre-service teachers will explore the use of math manipulatives and technology as teaching/learning tools, collaborative student work and mathematical literacy.

EDUC4117 Assessment and Curriculum Instruction in Elementary Education

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Credits: 3
Exclusions: Unavailable to students with credit for EDUC4017.
Registration for this course is limite d to Bachelor of Education students only .

The focus of this course is on an interdisciplinary-integrated approach to curriculum delivery in the elementary classroom. Students will design and implement an integrated curriculum as part of course requirements.

EDUC4118 Principles and Practices of Elementary Education

Credits: 3
Exclusions: Unavailable to students with credit for EDUC4018.
Registration for this course is limited to Bachelor of Education students only .

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This course provides effective teaching strategies for the teaching and learning of Aboriginal languages and cultures, with emphasis on Mi'kmaq language and culture. Topics include promoting oral traditions, language and culture. (Students completing the Elementary Aboriginal Education option require this course).

EDUC4133 Teaching English as a Second Language in an Additive Bilingual Model

Credits: 3
Exclusions: Unavailable to students with credit for EDUC4033.

planning, unit planning and assessment. Emphasis will be placed on the effective use of technology as a teaching and learning tool within the field of technology education and across the curriculum.

EDUC4139 Technology Education II

Credits: 3
Exclusions: Unavailable to students with credit for EDUC4039.
Registration for this course is limited to Bachelor of Education students only .

This course will examine technology education as a field of study, investigating the context within those technologies taught in the Nova Scotia public school program. The course focuses on developing technology supportive learning environments. Students will model social constructivist learning strategies as well as problem-based learning throughout the course. p0.002 l l8(u)bas Ñ=$Ò ’Q!uct0/H3 <2 l3( )-(s)-812/Tw 6(at)-.00(v) - ourruo1 >>BDCd g-97 3c(hr)2 nn sT2 1Twg1thr (

This course focuses on the teaching of social studies at the middle and secondary levels. In this course students will focus on effective teaching strategies, lesson planning, use of learning resources for social studies, unit planning development, assessment and evaluation.

EDUC4145 Social Studies at the Secondary Level II

Credits: 3
Exclusions: Unavailable to students with credit for EDUC4045.
Registration for this course is limited to Bachelor of Education students only .

This course focuses on the teaching of social studies at the middle and secondary levels. In this course students will focus on effective teaching strategies, lesson planning, use of learning resources for social studies, unit planning development, assessment and evaluation.

EDUC4146 French Second Language at the Secondary Level I

Credits: 3
Exclusions: Unavailable to students with credit for EDUC4046.
Registration for this course is limited to Bachelor of Education students only .

This course provides an introduction to Core French and French Immersion programs at the middle and secondary school levels. In this course students will focus on effective second language teaching strategies, lesson planning, use of learning resources, unit planning development, assessment and evaluation.

EDUC4147 French Second Language at the Secondary Level II

Credits: 3
Exclusions: Unavailable to students with credit for EDUC4047.
Registration for this course is limited to Bachelor of Education students only .

This course provides an introduction to Core French and French Immersion programs at the middle and secondary school levels. In this course students will focus on effective second language teaching strategies, lesson planning, use of learning resources, unit planning development, assessment and evaluation.

EDUC4148 Fine Arts at the Secondary Level I

Credits: 3
Exclusions: Unavailable to students with credit for EDUC4048.
Registration for this course is limited to Bachelor of Education students only .

This course will examine the theories and practices of teaching fine arts within a secondary school context. Students will engage in the examination and development of teaching strategies, lesson planning, use of learning resources, unit planning development and assessment and evaluation for the effective delivery of the fine arts curriculum.

EDUC4149 Fine Arts at the Secondary Level II

Credits: 3
Exclusions: Unavailable to students with credit for EDUC4049.
Registration for this course is limited to Bachelo r of Education students only .

This course will examine the theories and practices of teaching fine arts within a secondary school context. Students will engage in the examination and development of teaching strategies, lesson planning, use of learning resources, unit planning development and assessment and evaluation for the effective delivery of the fine arts curriculum.

Registration for this course is limited to Bachelor of Education students only .

create and test ideas, to develop individual skills and theories and to gain competencies in various communication settings related to educational settings.

EDUC4223 General Methods

Credits: 3

This course will examine recent research related to teaching subject specific content. Students will be required to complete an applied research project that includes the study of advanced teaching methodology in their major concentration. Topics include alternative approaches to the teaching of the particular discipline, an exploration of current issues and the demonstration of the new methodologies.

EDUC4225 Discipline Specific Methods

Credits: 3

This course will allow students to examine the curriculum that corresponds to their individual background within the teachable subjects identified by the Nova Scotia Department of Education. Participants will develop learning activities that will allow their students to meet the general and specific curriculum outcomes as outlined in the APEF curriculum documents. Through collaboration with students specializing within the various teachable subject areas, pre-service teachers will explore strategies for developing interdisciplinary integrated learning activities in order to provide their students with a holistic educational experience. Participants will develop unit plans that reflect a synthesis of the disciplinary-specific pedagogical approaches, integrated curriculum strategies and relevant literature on pedagogy and learning theory.

EDUC4989 Internship in the Elementary School

Credits: 15
Registration for this course is limited to Bachelor of Education students only .

The Internship is an extended school based practicum in which interns apply theories and knowledge of teaching and learning in an elementary classroom setting. Interns develop and apply effective teaching practices to become reflective practitioners. Facilitation of the intern's professional development and the evaluation of the Intern's progress is conducted by the classroom teacher and a university supervisor. The full practicum will be comprised of the following essential components:

- Three day (May, first term) introduction to the practical aspects of teaching and school operations
- Three day (September, second term) in-class experience in specific elementary/secondary streams (concurrent with methods course)
- 15 week in-school supervised practicum (Winter, third term)
- Completion of mentored online reflective journal for core courses
- Curriculum portfolio development component linking methodology courses to practical teaching (concurrent with methods course).

EDUC4999 Internship in the Secondary School

Credits: 15
Registration for this course is limited to Bachelor of Education students only .

The Internship is an extended school based practicum in which Interns develop and apply effective teaching practices to become reflective practitioners in a secondary classroom setting. Facilitation of the Intern's professional development and the evaluation of the Intern's progress is conducted by the classroom teacher and a University Supervisor. The full practicum will be comprised of the following essential components:

COURSE DESCRIPTIONS

Explores two aspects of culture and curriculum: a) art, music, drama and literature in a Canadian and regional context; and b) multi-cultural, ethnic and race issues in Canada.

EDUC5111 Cultural Issues in An Educational Setting

Credits: 3
Exclusions: Unavailable to students with credit for EDUC554.

Designed to provide those in counseling roles with an understanding of the cultural forces which shape the lives of individuals and groups. Drawing on the work of sociologists, psychologists, anthropologists and educationalists, the course highlights gender issues, race and ethnic relations, class differences and issues and school and youth culture.

EDUC5112 Learning Resources

Credits: 6
Exclusions: Unavailable to students with credit for EDUC512.

Focuses on the human and material resources used in teaching and the relationship between those resources and the classroom experience of the child. In addition to identifying and evaluating curriculum materials, the course looks at adapting the learning situation to the needs of the child. Special emphasis is put on developing an effective classroom, especially for at risk students.

EDUC5113 Human Relations Development

Credits: 3
Exclusions: Unavailable to students with credit for EDUC556.

The purpose of this course is to enhance the human relations skills of the student. Topics will include interviewing skills, group dynamics and conflict resolution.

EDUC5114 Career Counseling

Credits: 3
Exclusions: Unavailable to students with credit for EDUC560.

Examines the theory and practice of career development and career counseling as a basis for introducing the student to the skills of adolescent career counseling. Special attention is given to assessing client needs: sex, race and class issues in career counseling for gifted children; promoting child self-understanding; career information services; interest and aptitude tests and utilizing community resources.

EDUC5120 Issues in Planning, Designing and Developing Curriculum

Credits: 6
Exclusions: Unavailable to students with credit for EDUC513.

An advanced-level seminar course that is intended to develop educational leaders with a strong curriculum background. This seminar explores a number of influences academic, political and popular on curriculum and encourages self-reliant leadership in dealing with those influences.

EDUC5122 Research/Curriculum Development

Credits: 6
Exclusions: Unavailable to students with credit for EDUC514.

Introduces the students to the major issues and methods in

COURSE DESCRIPTIONS

ELEC3163 Digital Signal Processing

Credits: 3
Prerequisites: MATH1206 or MATH2005.
Exclusions: Unavailable to students with credit for ELEC412.

The student will develop a basic understanding of immensely powerful digital signal processing techniques, a skill needed by scientists as well as engineers, through demonstrations and the application of basic techniques. Complex number systems are treated as an advanced topic that underpins and extends the power of digital signal processing.

ELEC3164 Microelectronics Design Tools

Credits: 3
Exclusions: Unavailable to students with credit for ELEC421.

The student will be able to apply techniques in a wide variety

EMGN4100 Introduction to Disaster Management

Credits: 6
Exclusions: Unavailable to students with credit for EMGN401.

The first part of this course is designed to define the scope and objective of the disaster management field. Concepts and terms, differentiating between natural disaster assistance and refugee operations are considered. The second part of the course provides an overview of management from a disaster and emergency standpoint, looking at issues such as program planning, decision making, information management, program supervision, monitoring and control personnel and leadership.

EMGN4102 Disaster Preparedness and Response

Credits: 6
Exclusions: Unavailable to students with credit for EMGN402.

An examination of the principles and structures that may be applied in effective emergency and disaster mitigation and preparedness activities. The units consists of nine modules: Introduction to Mitigation & Preparedness, Command & Control Systems, Municipal Emergency Planning, Resource Inventory, Communications, Infrastructure Security, Ethics & Research, Bioterrorism Preparedness, and Business Continuity.

EMGN4110 Business and Industry Crisis Management

Credits: 6
Exclusions: Unavailable to students with credit for EMGN403.

The first part of this course introduces the student to the need for business and industry emergency planning and the myths and rationalizations that hinder preparedness in this area. Distinction from government as well as similarities with government emergency management will be studied in depth. The second part concentrates on the use of technology to manage an emergency. The student will study ALOHA & SOLOHA, hazard analysis and modeling programs as well applinesy-24(y)16(t)-1(o)9i-3(i)3 p(l)3(i)9(p)-12(l)3(B1(y)2n -12(l)o(t)-1(u(l)o3 p(l)3n(l)o3 p(l)3n(l)o3 p(l)3n(l)o3 p(l)3n(l)o3 p(l)3n(l)o3

ENGI1167 Engi

COURSE DESCRIPTIONS

ENGI1168 Fluid Mechanics

Credits: 3
Exclusions: Unavailable to students with credit for ENGI253.

This course concentrates on the theory and problem solving regarding fluid properties, hydrostatic pressure, buoyancy,

This course is designed for students who wish to improve their writing skills at a level more advanced than ENGL1101/1103.

ENGL1113 Technical and Science Writing Cross -listed with ITEC4501.

Credits: 3
Exclusions: Unavailable to students with credit for ENGL207, BUSS265, ITEC 337, ITEC411.
Cannot be counted in English major

This course focuses on intermediate technical writing skills (reports, proposals and instructions).

ENGL1600 Introduction to Literature

Credits: 6
Exclusions: Unavailable to students with credit for ENGL200.
Can be counted in the English major.

An introduction to the major literary forms in English - poetry, prose, and drama and to critical reading, analysis and writing. Literature from a variety of historical periods and/or national contexts will be considered. Satisfies BA and BSc core and 3 credits of BBA core.

ENGL1601 Cinema

Credits: 3
Exclusions: Unavailable to students with credit for FINA101.

The film is an artefact that can be experienced form a variety of perspectives – cultural, ideological, and aesthetic. A variety of films will be shown and studied throughout the term.

ENGL2100 History of the English Language

Credits: 6
Prerequisites: ENGL1600.
Exclusions: Unavailable to students with credit for ENGL330 or HERT330.

The development of the English language, beginning with its origins and considering changes in phonology, morphology, syntax, vocabulary and orthography.

ENGL2200 Non-Dramatic Literature of the Sixteenth Century

Credits: 6
Prerequisites: ENGL1600.
Exclusions: Unavailable to students with credit for ENGL305.

A study of the non-dramatic literature of the sixteenth century, emphasizing the work of Edmund Spenser.

ENGL2240 Shakespeare

ENGL2300 Eighteenth Century English Literature

Credits: 6
Prerequisites: ENGL1600.

A survey of the earliest literature for children, including folk and fairy tales, nursery rhymes, moral and educational material, and the literary tale.

ENGL2685 Children’s Literature in English: 1860 -1920

Credits: 3
Prerequisites: ENGL1600.
Exclusions: Unavailable to students with credit for ENGL383.

Children’s literature 1860-1920, with emphasis on the children’s novels of the period.

ENGL3120

ENGL3420 Modern Canadian Novel

ENGL3442 Modern American Fiction

Exclusions: Unavailable to students with credit for ENGL359.

This course surveys the origins and development of detective fiction, from its beginnings in the nineteenth century, through its rapid rise in popularity in the early twentieth century, to its status today as one of the most popular modes of fiction.

ENGL3700 Special Topics

Credits: 6
Prerequisites: ENGL1600.

Special topics may vary from year to year. Consult with the Department Chair for further information

ENGL3701, 3703 Special Topics

Credits: 3, 3
Prerequisites: ENGL1600.

Special topics may vary from year to year. Consult with the Department Chair for further information.

ENGL3801, 3803 Directed Study

Credits: 3, 3
Prerequisite: ENGL1600.
Does not meet the BA core requirement for the English major.

The student undertakes, on a tutorial basis, an individualized program of studies. Students should consult with the Department Chair for available instructors.

ENGL4140 Introduction to Old English

Credits: 6
Prerequisites: ENGL1600, at least one 2000 or 3000-level English course
Exclusions: Unavailable to students with credit for ENGL400.

A comprehensive study of the language and literature of the Old English period. The literature is read in Old English.

ENGL4200 Milton

Credits: 6
Prerequisites: ENGL1600, at least one 2000 or 3000-level English course.
Exclusions: Unavailable to students with credit for ENGL418.

A comprehensive study of Milton’s major writing.

ENGL4240 Studies in Shakespeare

Credits: 6
Prerequisites: An earlier course in Shakespeare (or permission of the instructor), ENGL1600 and at least one 2000 or 3000-level English course.
Exclusions: Unavailable to students with credit for ENGL490.

A detailed study of selected plays.

ENGL4360 Nineteenth-Century Prose

Credits: 6

Prerequisites: ENGL1600, at least one 2000 or 3000-

ENGL4900 Honours Thesis

Credits: 6
Prerequisites: At least 24 credits in English with an overall average of 70%.

An extended research paper designed for students planning to enter graduate school. Students should consult the Department Chair for available instructors.

ENVIRONMENTAL ENGINEERING TECHNOLOGY (ENVI)

Courses marked are also offered by distance.

ENVI2134 Solid Waste Management

Credits: 3
Exclusions: Unavailable to students with credit for ENVI335.

The sources, characterization, handling, treatment and disposal alternatives for solid waste. Looks at local, national and international approaches to waste management

ENVI2161 Air Pollution

Credits: 3
Exclusions: Unavailable to students with credit for ENVI315.

A study of the sources, characteristics, environmental effects and regulatory aspects of various air pollutants. Biological, chemical and engineering concerns are stressed. Laboratory exercises complement lecture principles.

ENVI2163 Occupational Hygiene

Credits: 3
Prerequisites: CHEM2401.
Exclusions: Unavailable to students with credit for ENVI325.

This course concentrates on the recognition, evaluation and control of potential health and safety hazards in the workplace. As well, relevant legislation and regulations are reviewed. The laboratory activities involve specific hazard assessments using appropriate methodologies and equipment.

ENVI3131 Environmental Impact Assessment I

Credits: 3
Exclusions: Unavailable to students with credit for ENVI416.

Theory and practice of environmental impact assessment, with attention to the delivery of contents and skills in a socio-political and regulatory climate.

ENVI3133 Environmental Impact Assessment II

Credits: 3
Exclusions: Unavailable to students with credit for ENVI417.

Theory and practice of environmental impact assessment, with attention to the delivery of contents and skills in a socio-political and regulatory climate.

FOLKLORE (FOLK)

Folklore is the study of informal culture as both content and a process. Folklorists are interested in how beliefs, narratives, music, skills, crafts, rituals, customs and ideologies are transmitted not through structured institutions but through intimate, direct and interpersonal communication. Informal culture circumscribes traditions from those of significant time-depth with definable characteristics – ethnicity, region, occupation – to friendship and associative groups connected through media.

Folklore courses are open not only to students who wish to concentrate on Folklore as a major but to all who have an interest in culture. Courses can also form part of the Heritage Studies Certificate program within the School of Arts and Social Sciences. Students learn practical interviewing and fieldwork techniques, which are fundamental research skills in this field. The courses lead students to a better understanding of the various forms of human expressive culture and the role tradition plays in our lives and communities.

Students majoring in Folklore must consult annually with an advisor before choosing their courses for the coming year. Nine (9) credits of Folklore, includingFOLK1101, FOLK1103 and three (3) more credits at the 2000 level are prerequisites for all courses in the 3000 and 4000 levels, unless otherwise indicated.

Courses marked are also offered by distance.

FOLK1101 Introduction to Folklore I: Concepts and Fieldwork

Credits: 3
Exclusions: Unavailable to students with credit for FOLK101.

An introduction to fundamental concepts and fieldwork in Folklore study. Cape Breton oral and material traditions are emphasized.

FOLK1103 Introduction to Folklore II: Folklore Genres and Analysis

Credits: 3
Exclusions: Unavailable to students with credit for FOLK113 or FINA113.

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FOLK2104 Atlantic Canadian Folklore

Credits: 3
Exclusions: Unavailable to students with credit for FOLK211.

This course examines the society and culture of Atlantic Canada as a means to explore the historical context and mode
manifestations of folklore and its study in this region

FOLK2105 Social History of Celtic Music and Dance Cross-listed with MUSI2253

Credits: 3
Exclusions: Unavailable to students with credit for FOLK231, CELT231, ETHM231, FINA 231 or HERT231.

This course looks at the history and social context of Celtic music and dance. Themes include the influence of politics,

An examination of the role food plays in traditional and contemporary culture. Topics include food as material culture, food and economy, food and the environment, food and drink in ritual and custom, food and dietary taboo, culinary tourism and traditional foodways in contemporary culture. Fieldwork and/or archival work required.

FOLK2408 Folklife Studies: Regional Ethnology

Credits: 3
Exclusions: Unavailable to students with credit for FOLK251.

This course examines distinctive cultural regions throughout North America and the lifeways of the people living there. Students will conduct fieldwork.

FOLK2501 Popular Music and Culture 1890 to 1950 Cross-listed with MUSI2501

Credits: 3
Exclusions: Unavailable to students with credit for FOLK2405, FOLK227, FOLK121, ETHM2401, ETHM227, ETHM121, FINA227, FINA121, MUSI2405, MUSI227 or MUSI121.

This course traces the development of popular song in North America from its earliest forms up to the development of rock and roll in the 1950's. Through topics such as parlour song, minstrelsy, jazz, country, swing and blues, the social, economic and technological forces that shaped popular song are explored in depth. The interrelationship between North American popular music and the diverse immigrant communities that helped create it is analyzed.

FOLK2503 Popular Music and Culture, 1950 - Present Cross-listed with MUSI2403

Credits: 3
Prerequisites: ETHM1101 or MUSI1114.

Keywords are critical within folklore studies: terms such as `tradition,' `culture,' `heritage, ''community,' `performance,' and `art.' Appeals to each tend to suggest an ontological, quantifiable and verifiable thing, something that exists outside of our

FOLK3601 Cultural Tourism: Music, Heritage & The Exotic Cross-listed with MUSI3601

Credits: 3
Prerequisites: Any 6 credits ETHM/MUSI/FOLK except performance courses.

COURSE DESCRIPTIONS

The study of French grammar and the connection between language and communication.

FRNC3110 Le Théâtre d'Expression Française au Canada

Credits: 6
Exclusions: Unavailable to students with credit for FRNC350.

French Canadian theatre with emphasis on contemporary, popular plays and playwrights.

FRNC3103 Stylistique Comparée du Français et d 'Anglais

Credits: 3
Exclusions: Unavailable to students with credit for FRNC312.
Human Language Acquisition Course

A selective study of different linguistic forms, variants and vocabulary peculiar to different users, situations or literary types.

FRNC3105 Contes et Légendes du Canada Français

Credits: 3
Prerequisite: FRNC2401.
Exclusions: Unavailable to students with credit for FRNC335.

The oral traditions of French Canada with emphasis on the narratives of Québec, Ontario and Acadie.

FRNC3401 Voltaire

Credits: 3
Exclusions: Unavailable to students with credit for FRNC341.

A study of Voltaire, one of the most influential writers of the eighteenth century and his works.
Exclusions: Unavailable
FRNC3403

GAELIC

Courses marked are also offered by distance.

GAEL1101 Gaelic Language I

Credits: 3
Exclusions: Unavailable to students having credit for GAEL101, CELT101 or CELT100.

HIST1100 Ascent of Humankind

Credits: 6
Exclusions: Unavailable to students with credit for HIST100.
Students may not take both HIST1100 and Humanities 1101/1106 for credit.

An historical/thematic study of civilization and culture in the Western world from ancient times to the present.

HIST1115 Introduction to World Religions: Eastern Traditions
Cross-

HIST2103 Canada 1867 to the Present

Credits: 3
Prerequisites: HIST1100 or 6 credits Humanities.
Exclusions: Unavailable to students with credit for HIST205.

Beginning with Confederation, an examination of the major themes in the evolution of Canada to the present.

HIST2104 Atlantic Canada before Confederation

Credits: 3
Prerequisites: HIST1100 or 6 credits Humanities.
Exclusions: Unavailable to students with credit for HIST207.

Examines settlement and political, economic, social and cultural change in the region from pre-contact Mi'kmaq society to 1867.

HIST2105 Atlantic Canada 1867-1990

Credits: 3
Prerequisites: HIST1100 or 6 credit Humanities.
Exclusions: Unavailable to students with credit for HIST209.

The history of economic, political and social change in the region after Confederation.

HIST2106 The Reformations

Credits: 3
Prerequisites: HIST1100 or 6 credits Humanities.
Exclusions: Unavailable to students with credit for HIST251.

A study of religious reform movements in the sixteenth century, beginning with Christian Humanism, then to Martin Luther, John Calvin, the Anabaptists and other Protestant groups, and concluding with a consideration of Catholic Reform, expressed through Loyola and the Council of Trent.

HIST2107 Europe in the Seventeenth Century

Credits: 3
Prerequisites: HIST1100 or 6 credits Humanities.
Exclusions: Unavailable to students with credit for HIST253.

The struggle for European hegemony, revolutions, overseas empires, rise of modern science and changes in European thought, religion and society.

HIST2108 History of Christianity I: The Christianization of Western Europe
Cross-listed with RELS2161

Credits: 3
Prerequisites: HIST1100 or 6 credits Humanities.
Exclusions: Unavailable to students with credit for HIST261 or RELS261.

The rise of Christianity from its origins as a sect within Judaism to its domination of life in medieval Europe.

HIST3101 Modern Ireland, 1603 -1848

Credits: 3
Prerequisites: HIST1100 or 6 credits Humanities.
Exclusions: Unavailable to students with credit for HIST331 or CELT331.

Ireland from the Plantations to the Famine, including such themes as the Penal Laws, secret societies, rebellion and political movements.

HIST3102 Field School in Historical Archaeology Cross-listed with ANTH3102

Credits: 6
Prerequisites: 12 credits in Anthropology and/or Sociology. With explicit permission of the Department Chair, a student lacking the prerequisite may be admitted on the basis of relevant practical experience and parallel formal training in other disciplines.
Exclusions: Unavailable to students with credit for ANTH304, HERT340, or HIST340.

This course gives students field instruction in the techniques used in the excavation of an archaeological site. Hands-on instruction in manual excavation methods, mapping, field recording, and laboratory analysis will prepare students as qualified archaeological field technicians. First class held on campus; all others at local field site

HIST3103 Modern Ireland, 1848 -2000

Credits: 3
Prerequisites: HIST1100 or 6 credits Humanities.
Exclusions: Unavailable to students with credit for HIST333 or CELT333.

Themes include the rise Td ( )Tj Eh82(r)-6(.r)-8(B)2(g,)-1(a)-in t3(E)2rof rrogrgivee Td 8(s)-8(t)3(e)ogeceni(c)-8(av)ntsto ( )Tj Ehh

and development of the Atlantic world during the age of sail (roughly the late seventeenth to the early nineteenth century) from the bottom up. Particular emphasis will be placed on the Anglo-American and Caribbean contexts.

HIST3140 The Peopling of Canada and North America

Credits: 6
Prerequisites: HIST1100 or 6 credits Humanities.
Exclusions: Unavailable to students with credit for HIST322.

This course presents an expanded vision of the history of Canada and North America. It traces the adaptations and interactions of cultures from the arrival of First Peoples over 12,000 years ago through the period of large-scale immigration during the modern industrial age.

HIST3142 Modern Britain

Credits: 6
Prerequisites: HIST1100 or 6 credits Humanities.
Exclusions: Unavailable to students with credit for HIST330.

The history of Great Britain since the late eighteenth century, from leading industrial power to subsequent decline as a world power in this century.

HIST3150 Social History of Louisbourg

Credits: 6
Prerequisites: HIST1100 or 6 credits Humanities.
Exclusions: Unavailable to students with credit for HIST310.

The social and cultural history of Cape Breton during the French regime. Seminar, includes a number of field trips.

HIST3201 Religious Persecution to Religious Liberty I (to 1600)
Cross-listed with PHIL3201 and RELS3153

Credits: 3
Prerequisites: HIST1100 or 6 credist Humanities.
Exclusion: Unavailable to students with credit for HIST353, PHIL353, or RELS353.

This course examines ideas about religious intolerance, toleration and liberty from antiquity to the sixteenth century.
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HOSPITALITY AND TOURISM MANAGEMENT (HATM)

The Bachelor of Hospitality and Tourism Management program is a three-year general degree offered through the Shannon School of Business that encompasses courses spread over the Hospitality, Tourism, Business/Management, Humanities, Social Science, and English academic disciplines.

Courses marked are also offered by distance.

HATM1501 Introduction to Food Theory and Nutrition

Credits: 3
Exclusions: Unavailable to students with credit for HATM161.

Students will learn the fundamentals of nutrition, food preparation, proper food handling, and workplace safety with reference to current lifestyle and food industry standards.

HATM1503 Restaurant Operation and Service

Credits: 3
Prerequisites: HATM1501.
Exclusions: Unavailable to students with credit for HATM162.

Students will acquire a comprehensive overview of the various techniques associated with dining room service.

HATM1504 Tourism in Canada

Credits: 3
Exclusions: Unavailable to students with credit for HATM165.

Students are instructed in the fundamental components of the hospitality and tourism industry in Canada.

HATM1505 Guest Service Computer Applications

Credits: 3
Exclusions: Unavailable to students with credit for HATM169.

Students are instructed in the techniques required for operation of the guest services component of a hotel complex. A lab component familiarizes students with property management system software.

HATM1506 Tourism Marketing

Credits: 3
Exclusions: Unavailable to students with credit for HATM163.

This cour <</MCIt 0(l)3(i)3(arn8(t)-1(12(gues)</MCI)n(c)-8p(of)-13(a hot)-13(ponent)-1((e)6t)-1-8(e)-12(w)-3,of)-13onent(e)6

Prerequisites: HATM1501 and HATM1503.
Exclusions: Unavailable to students with credit for HATM268.

This course focuses on the preventive measures that promote food safety. Causative agents and control mechanisms are thoroughly addressed through the use of appropriate production processes, legislation, inspection and food safety systems such as HAACP. This course includes segments on menu development, costing, mixology, and wines.

HATM2999 Partnership with Industry - Industry Internship I

Credits: 0
Exclusions: Unavailable to students with credit for HATM269.

Following the successful completion of year one, the student is required to work in the industry. This component requires project completion and 540 employment hours.

HATM3125 Tourism Operation Planning

Credits: 3
Prerequisites: ACCT1204, HATM1503, HATM1506 and HATM3504.
Exclusions: Unavailable to students with credit for HATM363.

The course emphasizes the use of knowledge and skills acquired in accounting, marketing, facilities management, human resources and restaurant operations in the tourism manager’s decision making. The emphasis is on the interrelationship of the core business areas required to plan, develop and sustain demand for the organization in the tourism industry.

HATM3503 Meetings and Convention Management

Credits: 3
Prerequisites: HATM1501 and HATM1503 or permission of the instructor.
Exclusions: Unavailable to students with credit for HATM365.

This course provides a comprehensive overview of the Meetings, Expositions, Events and Conference industry (MEEC). Attention will be placed on the importance of corporate and association-based clients, marketing, and management approaches.

HATM3T / / /(t)-s, Events and Conference industry (MEEC).
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This course provides a comprehensive ov25view of the Meetings, Expositions, Etc%Úa*Èè 1mã/™ãÖ á!° sarts4(ar)(t)8<(por)- -

Prerequistes: HATM1501 a159.8415(A)2(T)-17(M150)-12(3 or)-6(p)-12(ert)-1(i)-9(on)-4

This course provides a comprehensive overview of the Meetings, Expositions, Events and Conference industry (MEEC). Attention will be placed on the importance of corporate and association-based clients, marketing, and management approaches. -8(tt-1(m))-1()-

COURSE DESCRIPTIONS

HUMANITIES (HUMA)

The following courses are available for credit within the core curriculum of the Bachelor of Arts and Bachelor of Science programs. Please refer to program core requirements for details. Not all courses are offered each year. Please consult the current timetable for availability.

Students may not take both HIST 1100

Learners will investigate project management and its significance in the success of information technology projects. Topics covered include project selection methods, work breakdown structures, network diagrams, critical path analysis, cost estimates, earned value analysis, motivation theory, team building, and CASE tools. Project management tools will be used to plan and manage an information systems project in a team setting.

ITEC3507 Object Oriented Programming

Credits: 3
Exclusions: Unavailable to students with credit for ITEC322 or ITEC421.

Introduces the JAVA programming language. Topics include GUI interface development, object oriented programming concepts, database access, platform independence, web integration, and stand alone applications.

ITEC3508 Windows Server Technologies

Credits: 3
PrerequisitesITEC1503 and ITEC114, or approval of the Department Chair.

Exclusions: Unavailable to students with credit for ITEC324.

This course provides a comprehensive investigation of the Windows network operating system (currently Windows 2000). Topics covered include installation, configuration, managing accounts, client connectivity, managing groups, managing printers, remote access, virtual private networks, optimization, and troubleshooting.

ITEC3509 Technical Writing

Credits: 3
Exclusions: Unavailable to students with credit for ITEC326.

This course deals with technical documentation concepts specific to the information technology sector. Topics covered include systems and end user documentation, help and readme files, writing for the Web, screen design considerations, indexing, and markup language concepts. Students will critique government and industry documentation standards, investigate the use of current multimedia technologies for IT documentation purposes and develop a career portfolio.

ITEC3511 Business Strategies in IT

Credits: 3
Prerequisites: ITEC1504 or approval of the Department Chair.
Exclusions: Unavailable to students with credit for ITEC328.

This course addresses the use of information technology (IT) to improve business strategies and performance, including IT as an enabler of organizational change, the management of business knowledge, applications systems architecture, and business processes. Case studies and projects reinforce this desired business-technology alignment theme.

ITEC4501 Intermediate Technical Writing Cross-listed with ENGL1113

Credits: 3
Exclusions: Unavailable to students with credit for ITEC 337, ITEC411, BUSS262 or ENGL207.

This course focuses on intermediate technical writing skills (reports, proposals, instructions).

ITEC4503 Internet Administration

Credits: 3
PrerequisitesIETC1505, ITEC1507 and ITEC2504 or approval of the Department Chair.

Exclusions: Unavailable to students with credit for ITEC412.

This course surveys the key technologies that make the Internet work. Topics covered include programming on the Internet, databases and web hosting, Internet security, FTP server, Internet clients, HTML, and authoring tools. This course prepares students to take the Computer Technology and Industry Association's (CompTIA) vendor-neutral i-Net+ certification.

ITEC4504 Advanced TCP/IP

Credits: 3
Prerequisites: ITEC1507, ITEC2504, and ITEC3508 or approval of the Department Chair.
Exclusions: Unavailable to students with credit for ITEC414.

This course provides a comprehensive look at TCP/IP as used on the current Windows NOS platform. Topics covered include IP addressing, data link and network layer protocols, ICMP, DNS, DHCP, IPv6, securing TCP/IP and SMTP.

ITEC4505 E-Commerce Technologies

Credits: 3
Prerequisites: ITEC2503 and ITEC3503 or approval of the instructor.
Exclusions: Unavailable to students with credit for ITEC416 or ITEC444.

This course provides the learner with an overview of the state of e-commerce today. It defines electronic commerce and discusses electronic commerce elements. Also addressed are issues and technologies available for companies wishing to engage in e-commerce. Student will be required to build a basic e-commerce system.

ITEC4506 Data Warehousing

Credits: 3
Exclusions: Unavailable to students with credit for ITEC418 or ITEC442.

Course focuses on the design and development of data warehouses and on-line transaction processing (OLTP, EIS, DSS) using a combination of relational and object oriented databases.

ITEC4507 Software Engineering Tools

Credits: 3
Prerequisites: ITEC2503 and ITEC2501 or approval of Department Chair.
Exclusions: Unavailable to students with credit for ITEC422.

This course will deal with various systematic approaches to the development and support of software. Topics covered include cleanroom software engineering, component-based software engineering, client-server, Web-engineering, CASE and object-oriented software engineering.

ITEC4508 WAN Technologies (Internetworking)

Credits: 3
Exclusions: Unavailable to students with credit for ITEC424 or ITEC396.

This course deals with the interconnectivity and data sharing issues associated with a heterogeneous (multi-platform, multi-vendor) network environment.

ITEC4509 Current Issues in IT - Case Analysis

Credits: 3

Business Law I introduces the student to the justice system, tort law and contract law. The course content includes an introductory study of specific areas of contract law including agency, property, employment, marketing, business organizations and financing.

LEGL2503 Business Law II

Credits: 3
Exclusions: Unavailable to students with credit for BUSS252.

Business Law II involves a more extensive study of specific legal issues relating to patents, copyrights, trademarks, industrial designs, confidential information, computer security, privacy, access to information, PIPEDA requirements, competition and lobbying.

LEGL3501 Legal Research

Credits: 3
Exclusions: Unavailable to students with credit for LEGL351.

This course will develop the skills required for performing legal research. The course includes instruction in finding appropriate legislation, determining its effect on a given situation in light of the Constitution Act and the Charter of Rights and Freedoms. The course builds an understanding of the court hierarchy and the theory of precedent by application of the relevant court decisions on factual situations. Evaluation includes examination and exercises that increase in difficulty requiring the student to develop researching skills. The course requires students to become familiar with computer-assisted research.

LEGL3503 Administrative Law

Credits: 3
Prerequisites: LEGL3501 and LEGL2501, or permission of instructor.
Exclusions: Unavailable to students with credit for LEGL353.

To acquaint the student with the administrative tribunal process involved in approval/licensing/arbitration issues involved in business operations. Evaluation may consist of examinations, report papers, and mock hearings.

LEGL 3504 Employment/Labour Law

Credits: 3
Exclusions: Unavailable to students with credit for LEGL397.

The course acquaints the student with the law that affects the relationship between employees and employers in unionized and non-unionized workplaces. The course content includes a review of the legal issues associated with the hiring process, issues during the course of employment and issues at the termination of the employment relationship.

LEGL3505 Criminal Law

Credits: 3
Exclusions: Unavailable to students with credit for LEGL352.

To acquaint the student with the criminal law and quasi-criminal law system in Canada, with a special emphasis on crime and business. The course content will include areas such as money laundering, insider trading, criminal negligence, and managers' and directors' liabilities. Evaluation is by examination and report papers.

LEGL4501 Health Law

Credits: 3
Exclusions: Unavailable to students with credit for LEGL471.

MGMT2604 Organizational Behaviour I

Credits: 3
Exclusions: Unavailable to students with credit for BUSS261 or BUSS260.

An introduction to organizational behaviour that will present the multi-faceted, multi-discipline foundations of the subject. Students will explore the major concepts including individual values, personality, perception, learning, workplace emotions and attitudes, motivation, as well as team dynamics, communicating in organizations, conflict and negotiation and leadership, organizational structure and design, organizational culture, and organizational change.

MGMT3605 Organizational Behaviour II

Credits: 3
Prerequisites: MGMT2604.
Exclusions: Unavailable to students with credit for BUSS262 or BUSS260.

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Exclusions: Unavailable to students with credit for BUSS363.

Deals with the traditional human resource (HR) functions: recruitment and selection, training and development, career management, compensation and performance management. Current HR issues such as innovative workplace practices, occupational health and safety, workplace education and changing HR functions will also be considered.

MGMT3606 Leadership in Organizations

Credits: 3
Prerequisites: MGMT2604.
Exclusions: Unavailable to students with credit for BUSS364.

Introduces leadership from the social sciences perspective. With an emphasis on interpersonal skills, the study of this course focuses on leadership theory, research and applications in modern organizations.

MGMT3607 Introduction to International Busines s Management

Through case study and seminar, this course examines the approaches used worldwide in the management of the tourism product. National, regional and local situations will be assessed.

MGMT4607 Tourism Strategy

Credits: 3
Prerequisites: ACCT1203, MGMT4606, HATM3124, HATM3505 or permission of instructor.
Exclusions: Unavailable to students with credit for BUSS495.

This is the capstone course for the Bachelor of Hospitality and Tourism Management Degree. A critical study into the development of strategic hospitality and tourism plans, providing the foundation upon which hospitality and tourism planning and implementation is based.

MGMT4701 Special Topics in Management

Credits: 3
Prerequisites: Academic regulations criteria and permission of the department.

Provides an opportunity to deepen studies in an area of management not available within the regular course offerings. See Dean or Department Chair for details.

MANAGEMENT SCIENCE (MGSC)

Courses marked are also offered by distance.

MGSC1101 Mathematics for Business

Credits: 3
Exclusions: Unavailable to students with credit for BUSS101.

Focuses on weaknesses in quantitative skills needed to solve and interpret business-oriented word problems. Designed with an emphasis on algebra to help prepare students for business calculus.

MGSC1108 Introduction to Statistics

Credits: 3
Exclusions: Unavailable to students with credit for BUSS182. Credit for MGSC1108 or BUSS182 rules out credit for MATH1109.
A BBA core requirement.

A course in statistics which introduces the student to basic probability concepts; descriptive measures; probability distributions, including the binomial and normal distributions and their properties; estimation; hypothesis testing; Chi Square analysis; and linear regression and correlation. Computer applications will also be illustrated using a statistical package. A BBA core requirement.

MGSC1109 Calculus for Business

Credits: 3
Exclusions: Unavailable to students with credit for BUSS281.
A BBA core requirement.

This course provides a mathematical foundation for business students, showing how mathematical concepts can be applied to describe business and economic phenomena. Topics covered include rational and polynomial functions, the mathematics of finance, limits and continuity, derivatives with applications including maxima and minima and integral calculus.

MGSC2101 Computers in Business

Credits: 3
Prerequisites: MGSC1109 or permission of the department.
Exclusions: Unavailable to students with credit for BUSS181.
A BBA core requirement.

Introduces students to the use of the computer in the solution of business problems. Includes computer literacy and use of MS Office microcomputer software (Excel spreadsheet and Access database management). Hands-on lab sessions are an integral part of the course.

MGSC2103 Quantitative Methods

Credits: 3
Prerequisites: MGSC1108.
Exclusions: Unavailable to students with credit for BUSS282.
A BBA core requirement.

Introduces students to quantitative tools available for business decision making, focusing on problem solving through model building. Topics include: decision theory including decision trees, inventory models, linear programming and

Exclusions: Unavailable to students with credit for BUSS393 or HATM361.

Geography as seen through the eyes of a travel professional. Emphasis is placed on the world's more popular destinations. A major project selected by students will form a large part of this course. An excellent opportunity to study about a place one would like to visit.

MRKT3301 Marketing Management

Credits: 3
Prerequisites: MGSC2101 and MRKT1301.
Exclusions: Unavailable to students with credit for BUSS331.
A BBA core requirement.

A study of the major decision areas of marketing from the viewpoint of the marketing manager. Utilizes text, labs, case materials and a computer simulation.

MRKT3303 Industrial Marketing

Credits: 3
Prerequisites: MRKT1301.
Exclusions: Unavailable to students with credit for BUSS332.

Deals specifically with business-to-business marketing from opportunity identification through the development of an appropriate marketing mix to the preparation of a strategic marketing plan. Course includes customer and product audits.

MRKT3304 Marketing Channels

Credits: 3
Prerequisites: MRKT1301.
Exclusions: Unavailable to students with credit for BUSS334.

The course focus is channel management: changes in purchasing behaviour warrant changes in the methods used to make goods/services available to the customer.

MRKT3306 Promotion Strategy & Management

Credits: 3
Prerequisites: MRKT1301.
Exclusions: Unavailable to students with credit for BUSS337.

The generic components required to move from a marketing plan to a promotional plan. This is accomplished through the development of promotional strategies.

MRKT3307 Public Relations Management

Credits: 3
Prerequisites: MRKT1301.
Exclusions: Unavailable to students with credit for BUSS339.

An introduction to public relations management which examines and provides an appreciation of the use of publicity as a management tool to accomplish corporate objectives and an understanding of public relations as a major component of corporate communications.

MRKT3309 Tourism Marketing II

Credits: 3

MRKT4309 Social Media Marketing

Credits: 3
Prerequisites: MRKT1301 or permission of instructor.
Exclusions: Unavailable to students with credit for BUSS447.

This course will provide students with an introduction to various aspects of social media marketing and online reputation management. Through a mixture o

produce global cities, peripheral regions, and regional economies. Students will employ this background to study the attributes of a depleted community and to assess its potential for economic recovery.

MBAC6101 Business and Community Development II

Credits: 3
Prerequisites: MBAC5101.
Exclusions: Unavailable to students with credit for MBAD600.

This practical course will explore the relationship of business with the community and the challenges and issues surrounding community-based business institutions. This topic will be explored through the assigned readings, case studies and class discussion. The course will seek to draw from theories of CED and the social economy and compare them to examples of how community business and CED gets implemented.

MBAC6103 Fundamentals of Finance with CED Applications

Credits: 3
Prerequisites: MBAC5103.
Exclusions: Unavailable to students with credit for MBAD601.

Provides students with a comprehensive body of knowledge concerning management of the firm's financial affairs. The course covers financial analysis and planning, valuation of assets, long-term capital budgeting and capital structure decisions, short-term investment and financing decisions and tax principles influencing the organization's finance and investment decisions.

MBAC6106 Leadership Training and CED

Credits: 3
Prerequisites: MBAC5105.
Exclusions: Unavailable to students with credit for MBAD605.

The course uses a combination of lectures, discussions, cases and presentations to focus on leadership training techniques. It covers major issues in leadership and presents practical techniques for implementation. Learners will be able to analyze typical leadership problems and develop options for solutions, including means for conflict resolution and mediation. Emphasis is placed on cultural and political differences in the conduct of community organization and leadership training and their effect on outcomes.

MBAC6107 Comparative Development

Credits: 3
Exclusions: Unavailable to students with credit for MBAD608.

This course employs a comparative approach in the assessment of alternative development philosophies in both the North and South, especially those which attempt to define a sustainable community. It examines the influence of natural resources and governance on development, it synthesizes concepts of development and it examines strategies used to formulate action plans to achieve sustainability in communities. Learners will become skilled in thinking globally and acting locally and on using qualitative and quantitative indicators of sustainability.

MBAC6118 Fundamentals of Venture Analysis

Credits: 3
Prerequisites: MBAC5103 and MBAC5104.
Exclusions: Unavailable to students with credit for MBAD618.

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This course focuses on developing effective marketing strategies that can serve as blueprint for marketing programs that build long-term success for the organization. Students learn basic branding principles and examine the branding

This test assesses the background of incoming students in algebra, functions, geometry and trigonometry. Results will be used to guide students into an appropriate calculus course. No student can be registered in MATH1101 or MATH1105 without having written this test and registration in MATH1101 or MATH1105 is limited to those with satisfactory results. Sittings will be held in early September. Go to www.cbu.ca and click on Important Dates for details.

Students who do not intend to register in either MATH1101 or MATH1105 do not have to write this test.

The Calculus Readiness test for students registering in a calculus course will be held in September 2011. This is a one hour test. It will be given online in B 1022, September 7,8, and 9 at 10:00 am and 2:00 pm each day. Also, September 13 and 15 at 4:00 pm. Please login in at www.cbu.ca to register for the Calculus Readiness Test (CRT) MATH9000.

To prepare, please bring a writing implement (preferably two) , CBU ID number. Use of a foreign language dictionary is permitted for students to who English is a second language. The dictionary is subject to inspection by the proctor. **NO CALCULATION DEVICES OF ANY KIND**

Please Note:

The Calculus Readiness Test consists of 31 multiple-choice questions on the subjects of Algebra, Functions, Geometry and Trigonometry. A score of 19 or more qualifies you for MATH1105, between 12 -18 you may register for MATH1101.

One retest is allowed if you narrowly missed a cut-off point in the test:

- If you scored 17 or 18 and can score 19 or more on the retest you will be eligible for MATH1105.
- If you scored 10 or 11 and can score 12 or more on the retest you will be eligible for MATH1101.

Please contact Peggy Wright, (902) 563-1428, if you have questions. Or the School of Science and Technology (902) 563-1110.

MATH1101 Calculus with Elementary Functions and Analytic Geometry I

Credits: 3
Prerequisites: One of: (1) MATH0100 (Bridge Program); (2) MATH0101; (3) MATH1107; (4) Grade 12 Academic Precalculus Mathematics. In the case of (4), the student must also have written the Calculus Readiness Test and achieved a satisfactory standard (currently 12 out of 31).
Exclusions: Unavailable to students with credit for MATH111. Credit cannot be obtained for both MATH1101 and MATH1105; no more than 3 credits from MATH1101, MATH1203, and MATH1105 in a BSc in Mathematics.
NOTE: MATH1101 is allowed credit as a free elective in any discipline where it can be used for credit.

Properties of straight lines and conic sections, polynomial and rational functions, and derivatives of algebraic functions with applications.

MATH1105 Differential and Integral Calculus I

Credits: 3
Prerequisites: One of: (1) MATH0100 (Bridge Program); (2) MATH0101; (3) MATH1107 and MATH1208; (4) MATH1101; (5) Grade 12 Pre-calculus Mathematics. In the case of (5), the student must also have written the Calculus Readiness Test and achieved a satisfactory standard (currently 19 out of 31).
Exclusions: Unavailable to students with credit for MATH121. Credit cannot be obtained for both MATH1203 and MATH1105.

Limits and continuity, differentiation of algebraic, trigonometric, logarithmic and exponential functions, applications, and Fundamental Theorum of Calculus.

MATH1109 Introductory Statistics I

Credits: 3
Exclusions: Unavailable to students with credit for MATH135. Credit for MATH1109 or MATH135 rules out credit for MGSC1108 or BUSS182. Credit cannot be obtained for both MATH1109 or MATH135 and MATH 2106 or MATH243.

Descriptive statistics, elementary probability, binomial and normal distributions, sampling distributions, estimation and hypothesis testing, regression, and correlation.

MATH1114 Experiences in Mathematics II: Mathematics of Personal Finance

Credits: 3
Prerequisites: Grade 11 Academic Mathematics.
Exclusions: Unavailable to students with credit for MATH152. Free elective only in the BSc. Not recommended for students with Grade 12 Pre-calculus or Advanced Mathematics. MATH1114 and MATH1215 are independent and can be taken in either order. Arts students with Grade 12 Pre-calculus or Advanced Mathematics should consult with advisors in Mathematics to select suitable alternatives to MATH1114 and MATH1215.

Topics in simple and compound interest for management of personal and family finances. Lab exercises on spreadsheet software. Course includes lab component.

MATH1116 Introduction to Computing with C++

Credits: 3
Prerequisites: Grade 12 Academic Mathematics.
Exclusions: Unavailable to students with credit for MATH187 or MATH185.

The computer as a problem solving device. The importance of structure in problem solving and programming is emphasized. Students are expected to write and run C++ programs, including branches, loops, arrays, functions, file processing, and basic classes. Course includes lab component.

MATH1203 Calculus with Elementary Functions and Analytic Geometry II

Credits: 3
Prerequisites: MATH1101 or a grade of at least 40 in MATH1105.
Exclusions: Unavailable to students with credit for MATH112. Credit cannot be obtained for both MATH1203 and MATH1105.

Properties of trigonometric functions, exponential and logarithmic functions and their derivatives. Introduction to integration including approximate integration and polar coordinates.

MATH1204 Introduction to Matrix Algebra

Credits: 3
Prerequisites: MATH1203 or MATH1105 at least concurrently or permission of the instructor.
Exclusions: Unavailable to students with credit for MATH115.

The computational aspects of vectors, matrices, and systems of linear equations and linear transformations, as well as some elements of the theory of vector spaces essential for later applications.

MATH1206 Differential and Integral Calculus II

Credits: 3
Prerequisites: MATH1203 or MATH1105.
Exclusions: Unavailable to students with credit for MATH122.

Techniques of integration, application to areas, volumes, work, liquid pressure and arc length, inverse trigonometric, hyperbolic functions, infinite sequences and series, and Taylor's Theorem.

MATH1211 Introductory Statistics II

Credits: 3
Prerequisites: MATH1109.
Exclusions: Unavailable to students with credit for MATH136.

Continues the study of inferential statistics and includes library assignments and a practical project in data gathering.

MATH1215 Experiences in Mathematics I: Descriptive and Basic Inferential Statistics

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Credits: 3
Prerequisites: Grade 11 Academic Mathematics.
Exclusions: Unavailable to students with credit for MATH153. Not a credit course in the BSc. Credit cannot be obtained for both MATH1109 or MATH135 and MATH1215 or MATH153. Credit for MATH1215 12(A)-10(T)-17(9)-1(G)-8(e(du)]TJ [(.-10(T)-

COURSE DESCRIPTIONS

MATH2208 Differential Equations I

MATH3106 Physical Applications of Mathematics

Credits: 3
Prerequisites: MATH2109.
Exclusions: Unavailable to students with credit for MATH321.

Vector algebra and calculus are used to describe, analyze and discuss selected topics in physical science. Offered as required.

MATH3108 Linear Optimization

Credits: 3
Exclusions: Unavailable to students with credit for MATH331.

Optimization is a key factor in the solution of a variety of problems in science, engineering and business. This course will cover theory and applications of linear programming in production and diet problems, explain the computation and geometric theory of the simplex method and present duality theory in simple fashion. Normally offered in alternate years.

MATH3109 Introduction to Complex Analysis

Credits: 3
Prerequisites: MATH2208 and MATH2109.
Exclusions: Unavailable to students with credit for MATH363.

An introduction to complex numbers, definition of the complex exponential function, analyticity and its consequences, representations of complex functions and singularities. Complex integration, residue theorem and principle of the argument will be studied. (Normally offered in alternate years.)

MATH3113 Introduction to Real Analysis

Credits: 3
Prerequisites: MATH2208 and MATH2109 and either MATH2101 or MATH2103.
Exclusions: Unavailable to students with credit for MATH361.

An introduction to the structure of the real number sy odu(s)-20(y)6(o)0(yA)-13ao02 Tc 0.(e s)-8(t)-1iodp5 Tc 0.(e)-20(y)3(ab)-12(o)-

Divisibility properties of integers, prime numbers and congruences. Number theoretic functions, quadratic congruences, continued fractions, arithmetic in other bases, cryptology, error correcting codes will be covered.

MATH3209 Probability and Mathematical Statistics

Credits: 3
Prerequisites: MATH2106 and MATH2207 and/or permission of instructor.
Exclusions: Unavailable to students with credit for MATH343.

Classical models, conditional and marginal probabilities and expectations, functions of random variables, limit theorems, Markov chains and sampling distribution. Offered as required.

MATH3211 Differential Equations II

Credits: 3
Prerequisites: MATH1204, MATH2208, MATH2109 and MATH2103 are recommended.
Exclusions: Unavailable to students with credit for MATH357.

This course is a continuation of MATH2208. Fundamental solutions of linear differential equations. Existence and uniqueness of solutions Abel’s identity, linear independence and Wronskians, special functions defined by linear

Exclusions: Unavailable to students with credit for MATH421.

A study of groups and semi-groups, including permutation groups, Cayley's Theorem, the Isomorphism Theorems and Sylow Theorems. Offered as required.

MATH4105 Introduction to General Topology

Credits: 3
Prerequisites: MATH2101 and MATH3113 or permission of instructor.
Exclusions: Unavailable to students with credit for MATH471.

Metric spaces, topologies and topological spaces, continuity and homeomorphism, separation axioms, compactness and variations thereon, cardinal invariants and applications to geometry and analysis. Offered as required.

MATH4204 Modern Algebra II

Credits: 3
Prerequisites: MATH4103.
Exclusions: Unavailable to students with credit for MATH422.

A study of rings and fields, including topics in module theory, solvability by radicals and the classical problems. Offered as required.

MATH4205 Partial Differential Equations

Credits: 3
Prerequisites: MATH 2103,2109,3211 or special permission by the instructor.
Exclusions: Unavailable to students with credit for MATH457.

This course serves as an introduction to the theory and techniques of partial differential equations that are relevant to mathematicians, scientists and engineers. Topics to be studied include the classical Partial Differential Equations of mathematical physics (Heat-Diffusion equation, Wave equation and Laplace's equation), the method separation of variables, Eigenvalue problems, Fourier series (in multiple dimensions), orthogonal sets of functions, orthogonal series expansions and Sturm-Liouville theory.

MATH4801, 4803 Directed Study in Mathematics

Credits: 3, 3

Directed study in mathematics for fourth-year students. See Department Chair for details.

MATH4900 Honours Thesis in Mathematics

Credits: 6
Prerequisites: Admission and forth-year standing in the BSc (Honours) Mathematics program.

This course includes the preparation of an original research proposal, completion of the proposed research project, analysis of the data, preparation of a written thesis and oral defence of this thesis. Students planning to register in this course must consult the Department Chair in the term preceding the expected start date of the project. Consult the Department Chair for details.

MATHEMATICS ENGINEERING TECHNOLOGY (MATH)

MECH2133

Topics include the morphology and physiology of microorganisms, their role in the disease process and methods of control of microorganisms. Course includes lab component.

MICR3101 Medical Microbiology

Credits: 3
Prerequisites: MICR2101 (formerly MICR223 and BIOL223) and a minimum of 3 credits Anatomy & Physiology.
Exclusions: Unavailable to students with credit for MICR333.

This course represents an examination of the myriad of microorganisms which are capable of causing human disease. Bacteria, fungi, viruses and protozoan, helminthic and arthropod parasites will be discussed in the context of their ability to cause disease. Topics will include transmission routes and vectors, portals of entry, spread and replication and host pathogen interactions. Discussions will be primarily classified according to body system involved at the clinical level or by the epidemiological pattern where more relevant.

MICR3103 Environmental Microbiology

Credits: 3
Prerequisites: MICR2101 (formerly MICR223 and BIOL223).
Exclusions: Unavailable to students with credit for MICR335 or BIOL335.

An examination of the ubiquitous nature of microorganisms. The significance of microorganisms in aquatic, terrestrial, and other ecosystems. Examples and problems associated with microbial contamination of food are studied. Beneficial microbial activities such as waste degradation, fermentation and microbial insecticides will be discussed. Laboratory sessions deal with methods of identification, isolation and enumeration of various microorganisms of environmental significance. Course includes lab component.

Mi'kmaq Studies (MIKM)

Mi'kmaq Studies courses are designed to familiarize native and non-native students with the history, language, culture and socioeconomic development of the Mi'kmaq First Nation.

MIKM1100 Introduction to Mi'kmaq Studies

Credits: 6
Exclusions: Unavailable to students with credit for MIKM100.

An overview of the major issues, actors, and events in the political and cultural development of the Mi'kmaq Nation.

MIKM1102 Mi'kmaq/English: Structural Comparisons

Credits: 6
Exclusions: Unavailable to students with credit for MIKM190.

The course deals with structural differences between English and Mi'kmaq and their implications for syntactic and semantic comprehension.

MIKM1145 Introduction to Linguistics Cross-listed with ANTH1101, COMM1107

Credits: 3
Exclusions: Unavailable to students with credit for MIKM107, ANTH107 or COMM107.

An introduction to the scientific study of language. Topics include phonology, morphology, syntax, semantics and the heritage languages of Cape Breton (Mi'kmaq, French, Gaelic and English).

MIKM1161 Introduction to Indigenous Studies

Credits: 3
Exclusions: Unavailable to students with credit for MIKM101.

A multi-disciplinary course deigned to acquaint students with contemporary North, Central, and South American indigenous peoples and issues. Indigenous film, literature and autobiographies are given special focus.

MIKM1167 Indigenous Art of North America

Credits: 3
Exclusions: Unavailable to students with credit for MIKM151 or FINA151.

Survey of native North American musical, visual and verbal art genres, also the origin of regional styles and the place of the artist in native life.

MIKM2106 Indigenous Musics of North America Cross-listed with ANTH2111, ETHM2311

Credits: 3
Exclusions: Unavailable to students with credit for MIKM255, ANTH255, or ETHM255.

This course will introduce students to a range of musical tradition from North America Indigenous communities, including nation specific (especially Mi'kmaq), inter-tribal and popular musics. The course focuses on the significance of music to various Indigenous peoples, examining its role in, for example, ritual, spiritual expression, healing, relationship, and dance. Students will also explore the relationship between music and identity, examining gender roles and nation-specific musical expressions. Students will learn basic music vocabulary in order to analyze and describe the characteristics of the music encountered.

MIKM2113 Conversational Mi'kmaq for Non-Speakers: Level I

Credits: 3
Exclusions: Unavailable to students with credit for MIKM211.

The goal is to assist students in understanding and speaking basic Mi'kmaq. Pronunciation and conversational skills are emphasized.

MIKM2114 Mi'kmaq for Speakers: Introduction to Literacy I

Credits: 3
Exclusions: Unavailable to students with credit for MIKM231.

This course investigates the linguistic and historical bases of Mi'kmaq literacy. Students will learn to read and write Mi'kmaq in various orthographies (hieroglyphs, Rand, Pacifique, and Smith-Francis).

MIKM2120 Mi'kmaq History Cross-listed with HIST2110

Credits: 6
Prerequisites: HIST1100 or 6 credits in Humanities.
Exclusions: Unavailable to students with credit for MIKM212 10(M212g I)-8( )7(1100)-12(o)-12(r)-6(6 c)-ancis).

developed an understanding of natural forces, a theory of ecological and human dignity, a spiritual solidarity with God, and a social order which respects sharing, hospitality, love of family and the processes of human development.

MIKM3110 Self and Other: Encounters, Traditions and Transformation

Cross-listed with AN/S3210

Credits: 6

MIKM3245 Language Contact, Change, Death and Revitalization Cross-listed with AN/S3214

Credits: 3
Exclusions: Unavailable to students with credit for MIKM363, AN/S363 or HERT363.

This course examines how languages change when in contact as well as the very serious process of language death, which is now happening on a global scale. Discussion also focuses on suggested solutions to the rapid loss of linguistic diversity. Languages such as Mi'kmaq and Cape Breton Gaelic are highlighted for analysis.

MIKM3313 Mi'kmaq Nouns and Verbs Cross-listed with ANTH3103

Credits: 3
Exclusions: Unavailable to students with credit for MIKM361 or ANTH361.

This course examines the morphological structure of Mi'kmaq nouns and verbs. The complex internal word grammar of Mi'kmaw is explored, giving insight into the semantic categories of this endangered language.

MIKM3320 Race Relations in North America Cross-listed with HIST3120

Credits: 6
Prerequisites: HIST1100 or 6 credits Humanities.
Exclusions: Unavailable to students with credit for MIKM375 or HIST324.

A history of the cultural interaction between whites, native Americans and blacks in North America from the period of exploration and first contact to the present. Seminar.

MIKM3700 Special Topics in Mi'kmaq Studies

Credits: 6
Prerequisites: 6 credits intro Mi'kmaq Studies.

Topics will change according to student and faculty interests.

MIKM3701, 3703 Special Topics in Mi'kmaq Studies

Credits: 3,3
Prerequisites: 6 credits intro Mi'kmaq Studies.

Topics will change according to student and faculty interests.

MIKM4100 Contemporary Mi'kmaq Issues

Credits: 6
Prerequisites: MIKM1100 and 6 credits at the 2000 or 3000 level.
Exclusions: Unavailable to students with credit for MIKM450.

Examines selected issues in contemporary Mi'kmaq society. The focus is on a critical analysis of the issues.

MSIT

All courses include three hours of lecture and three hours of laboratories per week. MSIT 101/103, 201/203, 301/303, and 401/403 are compulsory within the Bachelor of Science Community Studies (BScCS) four-year degree concentration in Toqwa'tu'kl Kjijitaqnn / Integrative Science.

MSIT1101/1103 Sense of Place, Emergence, and Participation

Credits: 3,3
Prerequisites: none, but intended to be taken concurrently with MSIT2101/2103.

Exclusions: Unavailable to students with credit for MSIT101/103.

Mi'kmaw world view: This course will provide an opportunity for students to appreciate Creation and attain skills to restore the traditional thought of co-existence, recognizing that balance and harmony are embodied in First Nation's traditions, and that First Nation's perspectives on the environment reflect consciousness and therefore create attitudes. The Mi'kmaq lan(G)ya(e)r Tw(i)ll b(e) (di04)3(s)-0(c)1(u)-1(s)-1(s)-1(e)-1(d,)-1(a)-1(l)-1(o)-1(n)-1(g) w(i)-1(t)-1(h) -1(t)-1(h)-1(e) -1(s)-1(u)-1(b)-1(j)-1(e)-1(c)-1(t) -1(m)-1(a)-1(t)-1(t)-1(e)-1(r) -1(o)-1(f) -1(g)-1(r)-1(a)-1(d)-1(i)-1(n)-1(g) -1(y)-1(o)-1(u)-1(r) -1(c)-1(h)-1(i)-1(l)-1(d)-1(r)-1(e)-1(n) -1(t)-1(o) -1(t)-1(h)-1(e) -1(e)-1(n)-1(d) -1(o)-1(f) -1(t)-1(h)-1(e) -1(s)-1(c)-1(h)-1(o)-1(o)-1(l) -1(y)-1(e)-1(a)-1(r) -1(a)-1(n)-1(d) -1(t)-1(h)-1(e)-1(n) -1(t)-1(h)-1(e)-1(y) -1(w)-1(i)-1(l)-1(l) -1(b)-1(e) -1(a)-1(b)-1(l)-1(e) -1(t)-1(o) -1(d)-1(i)-1(s)-1(c)-1(u)-1(s)-1(s) -1(t)-1(h)-1(e)-1(i)-1(r) -1(e)-1(x)-1(p)-1(e)-1(r)-1(i)-1(e)-1(n)-1(c)-1(e)-1(s) -1(a)-1(n)-1(d) -1(t)-1(h)-1(e)-1(i)-1(r) -1(l)-1(e)-1(a)-1(r)-1(n)-1(i)-1(n)-1(g)-1(s) -1(w)-1(i)-1(t)-1(h) -1(t)-1(h)-1(e)-1(i)-1(r) -1(p)-1(a)-1(r)-1(e)-1(n)-1(t)-1(s) -1(a)-1(n)-1(d) -1(e)-1(l)-1(d)-1(e)-1(r)-1(s) -1(a)-1(n)-1(d) -1(t)-1(h)-1(e)-1(i)-1(r) -1(c)-1(o)-1(m)-1(m)-1(u)-1(n)-1(i)-1(t)-1(y) -1(m)-1(e)-1(m)-1(b)-1(e)-1(r)-1(s)-1(.) -1(8)-1(T) -1(-)-1(1)-1(9.5

Western science: The study of Acadian forest systems will continue with an in-depth view of plant assemblages and the relationship to habitat, process, structure and function. Studies will be extended to the non-vascular plants. Relationships and differences between major plant divisions and plant-animal interactions will be considered. Emphasis will be placed on acquiring this knowledge in the field. Normally offered every other year.

MSIT4101/4103 Wholeness

Credits: 3,3
Prerequisites: MSIT1101/1103, MSIT2101/2103 and MSIT3101/3103, or permission of instructor.
Exclusions: Unavailable to students with credit for MSIT401/403.

Mi'kmaw world view: This course will offer the belief instilled in First Nation's thought that everything comes from a single whole and that there is consistent change or fent ceisiieeis a 5(ei)3(s)- is-13(3(hapj0 Td (u(e2[-004 Tw 26(om)-24(a .325 T.004 To2

Changing musical styles that developed in Western Europe between 1790 and 1914.

MUSI1505 History and Literature of Music I

Credits: 3
Exclusions: Unavailable to students with credit for MUSI115, ETHM115 or FINA115.
Satisfies the Group 4, BA core requirement.

This course provides basic knowledge and understanding of music in culture, with emphasis on listening skills and repertoire. Material will include the fundamentals of music and a survey of the Medieval, Renaissance and Baroque periods in European music (ca. 400-1750 AD). Significant musical features, developments, composers, genres, compositions, and ensembles in each of the three eras studied will be examined. In addition, students will consider how broader social, religious, scientific, political and economic contexts affected, and were affected by, music. No prior musical knowledge is required.

MUSI1506 History and Literature of Music II

Credits: 3
Exclusions: Unavailable to students with credit for MUSI116, ETHM116 or FINA116.

This course provides basic knowledge and understanding of music in culture, with emphasis on listening skills and repertoire. Material will include the fundamentals of music and a survey of the Classical, Romantic and Modern periods in European music (ca. 1750 to the present). Significant musical features, developments, composers, genres, compositions, and ensembles in each of the three eras studied will be examined. In addition, students will consider how broader social, religious, scientific, political, and economic contexts affected, and were affected by, music. No prior musical knowledge is required.

MUSI2101 Music & Culture

Credits: 3
Exclusions: Unavailable to students with credit for MUSI201, ETHM201 or FINA201.

An introduction to the discipline of ethnomusicology, this course focuses on the issues confronting those who study music across cultures. Through the course, students discover the ways in which sounds, settings and significances interlock in diverse musical cultures. Through case studies and the major course assignment, students discover how fieldwork is done, including the process of participant observation, ethnographic interviewing, thick description and ses4((hi)3(c)-8(k-8( )-12(t)-1

LK241 or HERT241.

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MUSI2915 Evolution of the Cape Breton Fiddle Style

Credits: 3
Prerequisites: Students must already be able to play fiddle; assessment by instructors required for enrolement.
Note: This course will be offered every second year.

This course will introduce fiddlers to the development of the Cape Breton fiddle style by studying significant Cape Breton fiddlers, cultural influences (e.g., Irish, Acadian, America), the piping influence, and/or the impact of the Gaelic language on musical trends.

MUSI3301 Revivals & Survivals: Studying Folk Song & Traditional Music Crosslisted with FOLK3301

Credits: 3
Prerequisites: 6 credits of ETHM/MUSI/FOLK (except performance courses)

CBU's programs in Folklore and Ethnomusicology specialize in folk and traditional music. Drawing on literature from both disciplines, as well as others, this course explores the study of this music. What exactly is folk music? Who defines it, on what basis, and with what effects? Who creates it and why? How does it travel through space and time, and how does it change as it does so? What is the value of this music and why should it be studied?

MUSI3511 Popular Music Today

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MUSI3613 Music and Nationalism Cross-listed with POLS3153–4

Credits: 3
Prerequisites: Any 6 credits of ETHM/MUSI course (except performance); and/or a Political Science course.
Exclusions: Unavailable to students with credit for ETHM369, FINA369 or POLS369.

This course examines how music can be a potent tool for both building nations and critiquing them. Music can express national identities, narrate national myths, and mark national borders, but it can also critique, deconstruct, and transgress. While many find it easy to accept that music reflects social beliefs and valuand botefan(n a) Tf (a P)kadI(a P)kc.56 755.52ca ALSLS

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Explores the concepts of health and wellness, health promotion, and learning within a framework of self-care theory. This course covers lifestyle issues and health behaviour within the context of the wider socio-cultural, economic, political and ecological issues which determine health. This course provides opportunities for students to reflect upon theories of

This course provides an overview of the basic science of drugs. The properties of major drug families will be reviewed via a prototype and an emphasis on basic pharmacological principles. The focus throughout this course will be on the application of knowledge to client care and client education. The acquisition of skills to understand medication prescriptions and accurately calculate drug dosages is an expected outcome. A passing grade in this course is a prerequisite for NURS2990.

NURS2106 Comprehensive Health Assessment

Credits: 3
Exclusions: Unavailable to students with credit for NURS275.

This theory and practice course focuses on a systematic assessment of a client's health status and the normal functions and findings related to various body systems. The emphasis of practice is on developing the assessment skills necessary to implement a comprehensive examination of body systems for the purpose of identifying self-care requisites. A practicum is provided in a lab setting.

Third-year courses focus on the nursing needs of the family and are organized around the developmental stages of the life cycle and various situational crises which a family may experience.

NURS2990 Nursing Practice I

Credits: 6
Prerequisites: Successful completion of all level one and two year nursing courses to date and BIOL3200.
Exclusions: Unavailable to students with credit for NURS250.

An intersession course (May - June) with learning experience in selected nursing practice settings in the community

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NURS3100 Legal and Ethical Issues in Nursing Care Cross -listed with PHIL3130

Credits: 6
Prerequisites: All first and second year Nursing courses with a passing grade/avg. of 60%.Exclusions: Unavailable to students with credit for NURS330 or PHIL330. Available to non-Nursing students only with the permission of the instructor.

Examines the moral and ethical implications of various practices

The course is designed to introduce students to the research process and to quantitative and qualitative research methods related to critical appraisal of nursing and health care literature. Emphasis is placed on the student's potential role as a generator of researchable questions, as a collaborator in research related to nursing practice and as an intelligent consumer of research. Concepts of research design, implementation, analysis and interpretation are studied in the context of the steps of the research process. The course requires students to become immersed in the language and culture of research and to understand the broader context within which nursing research is conducted. For students in nursing and nursing with advanced major.

NURS3103 Nursing of Children

Credits: 3
Prerequisites: All first and second year Nursing courses with a passing grade/avg. of 60%.
Exclusions: Unavailable to students with credit for NURS315.

This course is based on the philosophy and principles of family-centred care, promotion of self-care for childbearing families, promoting family-centred social changes and family empowerment. Students will explore how children and families cope with illness in childhood and adolescence and what nursing interventions children and families find helpful. A wide range of pediatric illness conditions is presented. This course involves three hours of classroom time per week for 12 weeks and 12 hours of nursing practice per week for six weeks. The nursing practice has both an illness and wellness focus and utilizes both acute care and community settings.

NURS3104 Mental Health Nursing

Credits: 3
Prerequisites: All first and second year Nursing courses with a passing grade/avg. of 60%.
Exclusions: Unavailable to students with credit for NURS345.

This course provides students with a comprehensive approach to mental health aspects of nursing practice. Topics include stigma and mental illness, anxiety, depression, psychosis, mania, mental health difficulties associated with food and eating, traumatic stress, substance and gambling dependency and dementia. Each issue will be considered from a socio-cultural, political, economic, historical and biophysical perspective. Students will explore principles of social justice as well as ethical and legal aspects of mental health care. The class is taught in a weekly three-hour workshop format which includes a broad variety of learning approaches. Nursing practice consists of 11 hours per week of mental health practice for a six week period during the term.

NURS3105 Perinatal Nursing

Credits: 3
Prerequisites: All first and second year Nursing courses with a passing grade/avg. of 60%.
Exclusions: Unavailable to students with credit for NURS355.

This course is based on the philosophy and principles of family-centred health care, promotion of self-care for childbearing families, and promoting family-centred social changes and family empowerment. Students explore philosophical, cultural, physiological, psychological, and spiritual dimensions of childbirth, postpartum adaptation, lactation, and infant care. The focus of the course is on understanding normal, healthy perinatal and neonatal experience, with an introduction to understanding a range of perinatal and neonatal complications. This course involves six hours per week of classroom instruction and 12 hours of nursing practice per week for six weeks.

NURS4101 Community Health Nursing II – Population Focused Approach

Credits: 3
Prerequisites: All first, second and third year Nursing courses with a passing grade/average of 60%.

Exclusions: Unavailable to students with credit for NURS407.

This course explores population focused community health nursing practice. Major themes include: population health promotion, population focused nursing practice, public health nursing, populations with communicable and chronic diseases, epidemiology, immunizations, environmental health and

NURS4801 Directed Study and Practice

Credits: 3
Prerequisites: Permission of the Nursing Program Coordinator.

performance in specific sports covering the aerobic, anaerobic and interval spectrum (e.g. marathon running, sprinting, basketball, soccer, hockey). The interaction of diet and genetics in sports will be discussed. Finally, sources of information on sport nutrition will be noted and assessed for their reliability.

NUTR3701 Current Topics in Human Nutrition

Credits: 3
Prerequisites: NUTR2104 or permission of instructor.
Exclusions: Unavailable to students with credit for NUTR361.

This course deals with current issues in human nutrition including osteoporosis, atherosclerosis, diabetes, cancer, arthritis, atopic dermatitis and physical activity. Other topics discussed are dietary reference intakes, genetically modified foods, world food supply, food labelling debates, the use of the Internet and successes and failures in current nutrition research. Normally offered every other year.

PETROLEUM ENGINEERING TECHNOLOGY (PETR)

PETR1131 Petroleum Production and Processing

Credits: 3
Exclusions: Unavailable to students with credit for PETR112.

Fundamental concepts of petroleum development from discovery techniques, production and processing, to transportation and marketing. Focus on east coast offshore oil and gas exploration and production.

PETR1161 Drilling Engineering

Credits: 3
Exclusions: Unavailable to students with credit for PETR132.

Designed to acquaint the petroleum engineering technology students with the techniques, equipment and engineering design considerations and calculations used in the oil and natural gas

Exclusions: Unavailable to students with credit for PETR380.

Designed to acquaint petroleum engineering technology students with the techniques, equipment, and engineering design

This course examines the process whereby a research and development invention is converted into a socially useful and commercially successful new product. Small and large companies are studied. Petroleum case studies. Matched with PETR3161.

PETR3133 Project Design and Evaluation Techniques

Credits: 3
Prerequisites: PETR1131.
Exclusions: Unavailable to students with credit for PETR446.

This course requires the student to design, evaluate and present a petroleum project. The report will cover technical, operational, scheduling, regulatory and economic issues. A written and oral presentation of the study will be conducted.

PETR3134 Codes and Specifications in the Petroleum Industry

Credits: 3
Prerequisites: PETR1131.
Exclusions: Unavailable to students with credit for PETR447.

Examination and background information on code jurisdiction and interpretation of standards and specifications relevant to the petroleum industry. API, ASME, ANSI and CSA codes are included.

PETR3161 Management of Technological Innovation II Cross-listed with ENVI3165

Credits: 3
Exclusions: Unavailable to students with credit for PETR427 or ENVI427.

This course examines the process whereby a research and development invention is converted into a socially useful and commercially successful new product. Small and large companies are studied. Petroleum case studies. Matched with PETR3131.

PETR3163 Process Control and Optimization Systems

Credits: 3
Exclusions: Unavailable to students with credit for PETR436.

Detailed examination of petroleum production characteristics and fluid properties. Study of measurement and interface equipment. Detailed simulation experiments with production and equipment variation.

PETR3164 Distributed Control Systems and Programmable Logic Controllers

Credits: 3
Prerequisites: PETR3163.
Exclusions: Unavailable to students with credit for PETR437.

Study of measurement, control and electronic interface equipment. Criteria for selection and implementation of DCS and PLC equipment.

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driven by curiosity, however, many people try to provide answers and to do so is to philosophize. Philosophy also examines the presuppositions of the various sciences and, through the study of logic, trains the mind in the art of reasoning.

With the exception of PHIL2105, there are no prerequisites for 2000-level courses. All 3000-level courses require 6 credits of Philosophy (with the exception of PHIL3130) and all 4000-level require 12 credits of Philosophy.

Courses marked are also offered by distance.

PHIL1101 Knowledge and Reality

Credits: 3
Exclusions: Unavailable to students with credit for PHIL100.

Classic and Modern Texts will be read dealing with questions about God, reality, truth, the soul, mind and freedom of the will.

PHIL1103 Critical Thinking

Credits: 3
Exclusions: Unavailable to students with credit for PHIL115.

Skills are developed in recognizing mistakes in reasoning and constructing good arguments.

PHIL1104 Greek Philosophy: An Introduction

This course will explore philosophy and values from a variety of feminist perspectives. It will investigate theories about women's "nature," political goals, ethics and art.

PHIL2107 Environmental Ethics

Credits: 3
Exclusions: Unavailable to students with credit for PHIL221.

A study of moral issues regarding the environment, overpopulation, animal rights, endangered species and the sublime in nature.

PHIL2109 The Existence of God Cross-listed with RELS2109

Credits: 3
Exclusions: Unavailable to students with credit for PHIL223 or RELS223.

The question concerning the existence of God is perplexing, since it arises in history but points to a reality beyond history. What can we know about God?

PHIL2111 Medical Ethics

Credits: 3
Exclusions: Unavailable to students with credit for PHIL225, PHIL330 or NURS330.
May not be taken in place of NURS3100 or PHIL3130 in BSc Nursing.

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PHIL2119 Movies and Morals

Credits: 3
Exclusions: Unavailable to students with credit for PHIL239 or FINA239.

This course is concerned with the way movies have used the possibilities of the medium to both reflect and shape

PHIL2131	Religion and Health	Cross-listed with RELS2131

Credits: 3
Prerequisites: PHIL2129
Exclusions: Available to non-nursing students only with the permission of the instructor. Unavailable to students with credit for PHIL267 or RELS267.
Required for all students in the BSc Nursing Program.

COURSE DESCRIPTIONS

This course examines ideas about religious intolerance, toleration, and liberty, from antiquity to the sixteenth century. Students will read and discuss important texts. Historical, theological and philosophical perspectives will be introduced.

PHIL3203 Religious Persecution to Religious Liberty II (from 1600)
Cross-listed with HIST3203 and RELS3155

Credits: 3
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Prerequisites: PHIL3201.
Exclusions: Unavailable to students with credit for PHIL355, HIST355, or RELS355.

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PHYS 1101, 1201 Elements of Physics I and II

Credits: 3
Prerequisites: Grade 12 Physics and Mathematics is recommended
Exclusions: Unavailable to students with credit for PHYS113, 115.

An algebra-based physics course designed for students in a life science program. The course introduces waves, wave superposition and interference, electricity, magnetism, optics and modern physics.

NOTE: This pair of courses replaces PHYS 110 (6 credits) with two 3 credit courses.

PHYS 1104, 1204 General Physics I and II

Credits: 3, 3
Prerequisites: Grade 12 Academic Mathematics and Physics.
Exclusions: Unavailable to students with credit for PHYS121, 122.

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POLS2112 Mi'kmaq Government Cross-listed with MIKM2220

Credits: 6
Exclusions: Unavailable to students with credit for POLS240 or MIKM240.

Examines the history of Mi'kmaq traditional leaderships. Indigenous self-governments in Canada will be used as a framework for discussion.

POLS2113 Public Political Opinion and the Media

Credits: 3
Prerequisites: 6 credits of 1000-level Political Science or permission of instructor.
Exclusions: Unavailable to students with credit for POLS225.

The formation and articulation of political opinion as it is influenced by the media, the political system, government and mass communications in Canada.

POLS2114 Scandals, Corruption and Lies: Power, Politics and Morality

Credits: 3
Prerequisites: 6 credits of 1000-level Political Science or permission of instructor.
Exclusions: Unavailable to students with credit for POLS227.

A close study of ethics and morals within public life, how and why politics and government are so often tainted with scandal and how ethical standards of political life can be improved. Much of the course will focus on both historical and current case studies.

POLS2115 Family Policies in Canada

Credits: 3
Prerequisites: 6 credits of 1000-level Political Science or permission of instructor.
Exclusions: Unavailable to students with credit for POLS235.

A study of evolving policies and laws in Canada that deal with changing family trends and increasing pressures on the family. Policies include the regulation of divorce, custody and child support, day care and parental leave, social assistance and economic supports and protection against domestic violence and abuse.

POLS2116 Government-Business Relations in Canada Cross-listed with MGMT2101

POLS2144 Famous Trials: The Administration of Justice

Credits: 3
Prerequisites: 6 credits of 1000-level Political Science or permission of instructor.

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POLS3103 Local Government in Canada

Credits: 3
Prerequisites: 6 credits of 1000-level Political Science or permission of instructor.
Exclusions: Unavailable to students with credit for POLS325.

The origins, evolution and contemporary situation of local government in Canada with special reference to Cape Breton.

POLS3104 Issues in Canadian Local Government

Credits: 3
Prerequisites: 6 credits of 1000-level Political Science or permission of instructor.
Exclusions: Unavailable to students with credit for POLS327.

A study of local policy issues in the Canadian context with focus on such topics as urban politics, policy and planning, local environmental politics, provincial-municipal relations and local economic development.

POLS3105 The Future of Work in Canada: The Challenges Facing Young Canadians

Credits: 3
Prerequisites: 6 credits of 1000-level Political Science or permission of instructor.
Exclusions: Unavailable to students with credit for POLS331.

Looks at the changing nature of work in Canada, focusing on the evolving job market, the role of government policy in structuring and promoting the development of work, and in assessing the problems and potential policy solutions respecting employment, underemployment, job creation and career promotion. Special attention given to concerns and needs of young Canadians.

POLS3106 The Charter of Rights and Civil Liberties

Credits: 3
Prerequisites: 6 credits of 1000-level Political Science or permission of instructor.
Exclusions: Unavailable to students with credit for POLS323 or POLS221.

A study of leading Charter of Rights cases dealing with the power of the police, rights of the accused, prisoners' rights, abortion, assisted suicide, pornography, the spread of hate and the death penalty.

POLS3110 Aboriginal and Treaty Rights in the Canadian Constitution
Cross-listed with HIST3110 and MIKM3120.

Credits: 6
Prerequisites: MIKM1100 or permission of instructor.
Exclusions: Unavailable to students with credit for POLS340, HIST312, or MIKM340.

The study of Mi'kmaq Aaboriginal and treaty rights in Atlantic Canada. The issue of enshrining Aboriginal and treaty rights in S.25 and S.35 of the Constitution Act (1982) will be emphasized.

POLS3111 Canadian Public Administration: Financial Management, Personnel Administration

Credits: 3
Prerequisites: 6 credits of 1000-level Political Science or permission of instructor.
Exclusions: Unavailable to students with credit for POLS375.

The major theoretical and practical issues and problems respecting financial management and personnel administration within Canadian governments.

POLS3113	Issues in Children's Rights	Cross-listed with PSYC3301

Credits: 3
Prerequisites: 6 credits of 1000-level political science or psychology or permission of instructor.
Exclusions: Unavailable to s

A study of how art influences political ideas and how politics influences artistic consciousness. Various theories relating to visual art forms such as paintings, posters, murals and sculptures will be explored within the context of the aesthetic dimension as well as through political culture.

POLS3130 International Politics in a Changing World

Credits: 6
Prerequisites: 6 credits of 1000-level Political Science or permission of instructor.
Exclusions: Unavailable to students with credit for POLS366 or POLS256.

This course is designed to examine the configuration of power in the world today and provides an introduction to a range of issues, which although global in nature, have an impact on Canadians. Topics include international governance, terrorism and security issues, globalization, human rights, international law and environmental deterioration.

POLS3131 The United Nations: Origins, Structure and Development

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Credits: 3
Prerequisites: 6 credits of 1000-level Political Science or permission of instructor.
Exclusions: Unavailable to students with credit for POLS351.

The genesis of international organizations; the League of Nations; and the cresiots ofernat( )Tj EMC /P <</MCID Tw T* [(T)-17(he

This course will examine international efforts and structures for promoting international human rights. The course will address the development of human rights, the causes of rights abuse and ways and means of rights enforcement.

POLS3137

COURSE DESCRIPTIONS

Few topics raise controversy as quickly as discussions of human sexuality, yet it is normal human behaviour. Topics covered in this course include historical and cultural perspectives on sexuality, anatomy, hormones, conception and birth, contraception, sexual dysfunction, gender issues, arousal and communication, attraction and love, sexual orientation, sexually transmitted infections, erotica and pornography, sexual coercion and sexual variation. Students in this course will learn the human sexual response and how it interacts with cognitive and social processes that surround sex, in order to gain a better appreciation for the diversity of sexual practices and opinions.

PSYC3101 Research Practicum in Psychology

Credits: 3
Prerequisites: 12 credits in Psychology with a 60% average, including PSYC2111.
Exclusions: Unavailable to students with credit for PSYC303

Cognition refers to the mental processes used in acquiring, storing, elaborating, retrieving and using information. Topics covered in this survey of cognitive psychology include attention, memory, pattern recognition, mental imagery,

PSYC4101 History of Psychology

Credits: 3
Prerequisites: 18 credits in Psychology with a 60% average.
Exclusions: Unavailable to students with credit for PSYC431.

The development of psychology in Western civilization from approximately 1800 to the present, focusing on certain key, perennial issues.

PSYC4211 Advanced Cognition

Credits: 3
Prerequisites: 18 credits in Psychology with a 60% average, including PSYC3211.
Exclusions: Unavailable to students with credit for PSYC421.

Focuses on higher mental activities such as language, memory, thinking, decision-making, creativity and problem solving including applications in education, business and other situations.

PSYC4231 Neurobiology Cross-listed with BIOL 4201

Credits: 3
Prerequisites: PSYC 3213 or BIOL 3200.
Exclusions: Unavailable to students with credit for PSYC423 or BIOL423.

This course introduces basic anatomical and physiological principles of neuroscience extending from basic biophysical

This course introduces students to the field of clinical psychology. The history and development of the field are positioned to gain insight into current practices in the treatment of psychological disorders. Other topics include assessment and methods of intervention with individuals, groups, families and children.

PSYC4571 Counseling Psychology

Students will become acquainted with the legal process associated with environmental and public health issues. The course includes an overview of legislation and case law associated with environmental and public health issues. The process of enforcement of legislation and defence of alleged violations is included in the course content.

PUBH2104 Anatomy and Physiology

Credits: 3
Exclusions: Unavailable to students with credit for PUBH214.

An introduction to the major organ systems and the roles they play in the maintenance of normal function, particularly when confronted with infectious diseases and other environmental threats.

PUBH2105 Public Health Inspection

Credits: 3
Exclusions: Unavailable to students with credit for PUBH217.

Assessment for and design of on-site sewage disposal systems. Characteristics of potable water from ground and surface sources, including source protection, treatment procedures and monitoring. Recreational water standards, management and monitoring.

PUBH2106 Food Quality

Credits: 3
Exclusions: Unavailable to students with credit for PUBH224.

An introduction to basic food chemistry, including the physical properties and chemical reactions of water, lipids, fats, oils, carbohydrates, proteins and enzymes. Primary processing of meat and poultry, dairy and egg products will be considered and techniques of food grading discussed. The use of food additives, including colour additives, will also be examined.

PUBH2107 Emergency Preparedness

Credits: 3
Exclusions: Unavailable to students with credit for PUBH227.

An introductory course addressing fundamental concepts and approaches. Links the ideals and ideas of public health with the disaster and emergency management fields. Types of disasters and their consequences are considered, along with the role of public health professionals in planning and response, bioterrorism issues, recovery and reconstruction and responsive evaluation.

PUBH2108 Engineering Issues in Public Health

Credits: 3
Exclusions: Unavailable to students with credit for PUBH234.

Provides an introduction to several engineering disciplines which are part of the academic requirements for CIPHI certification. Included are an overview of engineering drawing technique, HVAC, blueprint reading and the basics of surveying. It is intended to provide the basis for understanding these issues without in-depth design focus.

PUBH3101 Food Hygiene

Credits: 3
Exclusions: Unavailable to students with credit for PUBH314.

PUBH4103 Communicable Disease Control

Credits: 3
Prerequisites: 6 credits in Public Health.
Exclusions: Unavailable to students with credit for PUBH417.

Examines the role of health personnel in the control of infectious disease in institutional environments, with respect to appropriate preventive policy and procedures, inspection and investigation. Particular attention is paid to problem areas unique to hospitals, schools, housing and facilities for child and adult care. Recreational, animal care, and personal services facilities are examined in addition to biomedical waste handling and response to nuisance-

PUBH4108 Biocontaminants in Indoor Environments

Credits: 3
Prerequisites: 3 credits in Introductory Microbiology.
Exclusions: Unavailable to students with credit for PUBH441.

An examination of the various biocontaminants that may be found in indoor environments and their effects on the health of occupants. The diversity, prevalence and health effects of fungi will be examined in detail. Methods of site evaluation, sampling and remediation will be discussed, as well as control strategies. Bacteria, dust mites, pet dander and other biocontaminants will also be examined in the context of their potential health effects.

PUBH4109 Waste Management

Credits: 3
Exclusions: Unavailable to students with credit for PUBH457.

Waste Management provides an overview of waste disposal in society and the implications such disposal has on the health of the public and the environment. This course addresses fundamental concepts and approaches to management of hazardous and non-hazardous waste. Considered are classification, tracking, reduction, reuse, recycling, collection, disposal and end use of waste streams, and the treatment/beneficial reuse of non-hazardous/hazardous wastes, inclusive of innovative technologies and the development of legislation/development of guidelines, regulations and standards. The role of public health and environmental professionals in regulatory compliance and control as well as spill response will be examined. The course concludes with evaluation and control strategies the public health inspector might recommend.

PUBH4111 Integrated Pest Management

Credits: 3
Exclusions: Unavailable to students with credit for PUBH466.

The concept of integrated pest management and the elements of the IPM approach are discussed. Options for pest control in various sectors and environments are examined, as are the characteristics and life cycles of common insect and rodent pests. Pesticides, along with their control and application are considered.

RELIGIOUS STUDIES

The question concerning the existence of God is perplexing, since it arises in history but points to a reality beyond history. What can we know about God?

RELS2125	Death and Dying: Dying and Values	Cross-listed with PHIL2125

Credits: 3
Exclusions: Unavailable to students with credit for RELS257 or PHIL257.

Death as a process of life. Cardiac, whole brain, and higher brain definitions of death, interdisciplinary perspectives, moral standing and ethical principles, death condemnation and embalming, DNR and DNH orders, transplants and living wills.

RELS2127	Death and Dying: Death, Healing, and Ageing	Cross-listed with PHIL2127

Credits: 3
Exclusions: Unavailable to students with credit for RELS259 or PHIL259.

Heidegger, Sartre and Marcel on the nature of death. Healing techniques: good and bad grief, ageing as a process, the metaphysical structure of death as such (what death is like to the dead).

RELS2129	Spirituality and Health	Cross-listed with PHIL2129

Credits: 3
Exclusions: Available to non nursing students only with permission of the instructor. Unavailable to students with credit for RELS265 or PHIL265.
Required for all students in the BSc Nursing Program.

Introduces students to the links between spirituality, medicine, disease and illness as they relate to health and healing techniques throughout the lifespan. Health arises at the intersection of these links. This course is directed toward students in the nursing program though other students may enroll.

RELS2131	Religion and Health	Cross-listed with PHIL2131

Credits: 3
Prerequisites: RELS1133.
Exclusions: Available to non- nursing students only with permission of the instructor. Unavailable to students with credit for RELS267 or PHIL267. Required for all students in the BSc Nursing Program.

Introduces students to the links between religion, culture, and health. The major world religions offer guidance on how to live harmoniously with self, others and the environment

RELS3153 Religious Persecution to Religious Liberty I (to 1600)
Cross-listed with HIST3201 and PHIL3201

Credits: 3
Prerequisites: 6 credits of Philosophy, HIST1100, or 6 credits of Humanities.
Exclusions: Unavailable to students with credit for RELS353, HIST353, or PHIL353.

SPHK2107 Introduction to Sport Nutrition Cross-listed with NUTR2107

Credits: 3
Prerequisites: SPHK100/1100.

The six nutrient classes and their basic metabolism in healthy individuals are reviewed. These six nutrient classes and their metabolism are then explained in terms of training, competition and post-competition nutrition for maximising performance in specific sports covering the aerobic, anaerobic and interval spectrum (e.g. marathon running, sprinting, basketball, soccer, hockey). The interaction of diet and genetics in sports will be discussed. Finally, sources of information on sport nutrition will be noted and assessed for their reliability.

SPHK3100 Sports Medicine

Credits: 6
Prerequisites: SPHK1100 or permission of instructor.
Exclusions: Unavailable to students with credit for SPHK300.

The prevention and care of athletic injury.

SPHK3101 Facilities Design and Management

Credits: 3
Prerequisites: SPHK1100 or permission of instructor.
Exclusions: Unavailable to students with credit for SPHK3101.

The design and management of human kinetics sports/recreation facilities.

SPHK3103 Human Public Relations in Sport/Recreation

Credits: 3
Prerequisites: SPHK1100 or permission of instructor.
Exclusions: Unavailable to students with credit for SPHK313.

Career development and job search skills in sport/human kinetics.

SPHK3104 Advanced Coaching

Credits: 3
Prerequisites: SPHK1100 or permission of instructor.
Exclusions: Unavailable to students with credit for SPHK375.

An in-depth analysis of modern day coaching/training practices and their effect on individual athletes and team performance.

SPHK3105 Exercise and Personal Fitness

Credits: 3

SERVICES AND RESOURCES

OFFICE OF THE VICE-PRESIDENT STUDENT SERVICES AND REGISTRAR

Alexis Manley, MBA Ext. 1116
Vice-President Student Services, and Registrar

Financial Aid, Scholarships, Bursaries and Other Prizes

John Mayich, MBA, Ext. 1420
Manager of Student Financial Services

Financial Aid

Students with questions or who need help concerning securing financial aid, help with student loan applications, loan appeals and emergency loans and bursaries, should contact the Manager of Student Financial Services.

Scholarships, Bursaries and Other Prizes

Each year, Cape Breton University offers students a wide range of scholarships and bursaries. Prospective students coming directly from high school, who have applied for admission by March 1, with an academic average over 85%, will be considered for an entrance scholarship. Bursaries are distributed primarily on the basis of financial need during various times of the year. All awards are offered upon the recommendation of the Awards Committee. For further information, contact the Manager of Student Financial Services.

A comprehensive list of scholarships and bursaries, criteria, policies, applications and deadline dates is available at www.cbu.ca/scholarships .

Student Services

Norm Smith, MBA, Ext. 1225
Director

The departments in Student Services are:
Health (Max Bell Clinic), Students with Disabilities - Jennifer Keeping AccessAbility Centre, Personal Counselling Services, Chaplaincy, Student Life Centre, International Exchange Programs, International Student Advisors, Financial Aid and the Writing Centre.

The Learning Commons and Student Life Centre

The Learning Commons and Student Life Centre is a welcoming inviting space, providing students with ready access to a wide variety of relevant services, from academic writing to assistance with personal challenges. When students come to the Commons, they will be able to speak to someone who will help or guide them.

Services included within the Learning Commons and Student Life Centre are:

Jennifer Keeping AccessAbility Centre (JKAC)

Mel Clarke Ext. 1404

The JKAC is well equipped with a wide variety of services to assist students with disabilities. Services range from arranging tutorials to facilitating academic accommodations. JKAC also utilizes or has access to a wide selection of assistive technologies to provide additional support.

The Writing Centre

Tammy Byrne Ext. 1325

The Writing Centre is a free writing resource for all CBU students. The Centre's goal is to help students better understand university-level writing and improve their writing skills. Students can make an appointment to work one-on-one with a member of the Writing Centre's staff on any writing assignment at any stage of the writing process.

International Student Advisors

TBA Ext. 1671
Elaine Delaney Ext. 1986

The International Student Advisors are responsible for international student orientation, non-academic advisory services, registration of students for medical coverage, and co-ordination of special events related to the international students such as field trips and community orientation.

Academic and Career Advisors

Mike MacIsaac Ext. 1408
TBA Ext. 1278

Advisors provide academic advising to first year students and returning students who are considering the next phase of their academic lives. They will also provide advice on student programs and course preparation, employment development including securing volunteer placements for BACS students and student evaluation and placements and work terms for co-op students.

In addition, the Advisors will:

- Identify interests and skills in relation to career options;
- Reflect on work experiences and identify transferable skills;
- Assist with preparing cover letters, resumes and job search techniques.

Advisors are also responsible for the International Student Exchange Program. CBU participates in a number of international student exchange programs, which enable CBU students to attend university in another country for one or two terms at approximately the same tuition cost as attending CBU. Credits are fully transferable in most cases. Currently, CBU has direct exchange agreements with universities in the United Kingdom, France, Sweden and the United States. Through membership in the National Student Exchange, there are also linkages with approximately 200 universities and colleges throughout the world. There are a number of international internships or work-abroad opportunities as well.

Other services include:

- Caper Patrol;
- Student Oriented Solutions;
- Professional Societies and Pizza with a Professional.

Clinical Social Worker

Helen Boone Ext. 1873

The Clinical Social Worker provides a variety of services to help students achieve their goals and contribute to a positive university experience. Some of the issues will be dealt with on a one-to-one basis and involve interpersonal relationships, self-confidence, depression, procrastination, motivation and sexuality issues

The Clinical Social Worker will also work closely with other members of the Learning Commons with respect to financial issues as well as academic and career choices.

All contact is strictly confidential. The Clinical Social Worker is available for drop-in visits or students can make an appointment, by calling (902)563-1873 or (902) 563-1639, or by visiting the Learning Commons and Student Life Centre to find a convenient time

also offered, including major sporting events, all-age athletic camps, tournaments and championships. Rugby (for men and women), baseball (for men), volleyball (men's) and gymnastics currently operate at the club level.

STUDENT SERVICE CENTRE

Arlene Mullan, MSc — Ext. 1198
Director, Registration and Admissions

The Student Service Centre (SSC) is the academic record-keeping centre for the institution. It is responsible to create and protect student files, to record students' applications, admissions into programs, registrations, tuition payments, grades and credentials. The Academic Support Officer, located in the Learning Commons, will provide students with degree audits to enable them to track their progress in fulfilling programme requirements.

Admissions staff are available to help students seeking to enter CBU programs and to work with those seeking prior learning or transfer credit. SSC staff prepare the course and exam timetables and provide students with registration

SERVICES AND RESOURCES

- Women’s Centre
- Sexual Diversity Centre
- Handbook
- Caper Convenience Store
- Frosh Week
- Health Plan
- Legal Counseling
- Emergency Bursary Fund
- Volunteer Services
- Bus Passes
- Community Outreach/Goodwill (ex: Shinerama)
- Campus Pub (The Pit) and Socials
- Job Search Assistance
- Campus Events and Intramurals
- Student Life Centre
- Various Theme Weeks

For a thorough description of our services to you, please consult your Students’ Union Member Handbook. Visit the Students’ Union office, visit the website at cbusu.com or check out CaperZone.

Student Representative Council

For more information on any of the services, call (902) 563-1192 or go to www.cbusu.com.

LIBRARY

Circulation	Ext.1320
Reference Services	Ext. 1387

Cape Breton University Library provides information resources and instructional support for teaching, research and scholarship. This support is manifested in the Library's reputation of offering top-notch service and instruction to students and faculty as well as in the quality of its special collections, which include the Centre for International Studies Collection; the Pearson Peacekeeping Collection; and the Khattar Collection. As well, the CBU Library holds more than a quarter of

Caper Radio Inc.

Office Ext. 1475

Caper Radio Inc. became autonomous from the Students' Union in the spring of 1998 and has won the National Campus/Community Radio Association (NCRA) award for achievement as a small radio station. From its location in the Students' Union, it broadcasts using the latest in sound equipment technology. Caper Radio Inc. relies on volunteer DJs who are members of CBU and the local communities and who work under the supervision of the executive staff. It is the hope of all the staff that students will take part in the CBU Radio experience and that Caper Radio Inc. will become a successful FM station in the very near future. For more information go to www.caperradio.com.

Cape Breton University Press

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RESEARCH AND GRADUATE STUDIES

DALE KEEFE, PHD, DEAN OF RESEARCH (EXT.1843)

OFFICE OF RESEARCH AND GRADUATE STUDIES

Jodi McDavid, Research Support Officer	Ext. 1107
Sander Taylor, Research Officer	Ext. 1338
Brenda LeLoup, Assistant to the Dean	Ext. 1304
Sarah Conrod, Industry Liason Officer	Ext. 1842

The mandate of the Research Office is to encourage, support and promote individuals engaged in research at CBU. It fulfills its mandate through the provision of grant support and Td ( )Tj NR(e i)3(n)-8(e i)3(s)-8(t)-1(o 5b0 Tw 2.444 0)1vvsð € ˜îø ¡'

Cape Breton, surrounded by the North Atlantic and Gulf of St. Lawrence, is an island ecosystem that encloses its own “ocean”, all of us live in the coastal zone, even if we do not live “the life aquatic”! As the Island’s only university, positioned between an old ocean and a young sea, Cape Breton University recognizes the significance of marine ecosystems to the livelihoods, well-being, culture and natural heritage of the people of Cape Breton. CBU embraces the mandate to support research and development for its local clientele and the maritime community at large. Since 2004, a coordinated set of initiatives has been used to re-invigorate and expand CBU’s capacity to meet the challenge, in a fashion that respects the integrity of marine and coastal ecosystems, and is attuned to the needs of the communities embedded within them. The creation of a targeted research chair is a key part of the strategy.

Dr. Hatcher is Cape Breton University’s Chair in Marine Ecosystem Research, and Director of the Bras d’Or Institute. Educated as a benthic ecologist and oceanographer in the United States, Canada and Australia, he has 30 years experience in research and development in the public and private sectors, having worked in 25 countries and logging more than 600 days at sea and 1,600 hours underwater. His primary expertise lies in the application of ecological theory and empirical analyses, to the better understanding and prediction of marine ecosystem structure and function. With a significant endowment of research equipment and networked expertise, his program builds capacity for the use of advanced oceanographic technologies and SCUBA diving ng n a fesnd asta4aytIt(t)-1(d)2(er)-6(Pal)3(t)-1hiseegy.

CENTRES

Abraham Centre for Religion and Society

The Abraham Centre for Religion and Society was formed at CBU by a small group of faculty and community religious leaders. The activities of the Centre draw on the rich traditions of Judaism, Christianity and Islam. Through research and public education events, the goal of the Centre is to critically apply the values and insights of these traditions to problems facing contemporary society.

Cape Breton Health Research Centre

Benita Manzine, Administrative Assistant Ext. 1833

The Centre is a shared project between the Cape Breton District Health Authority and CBU. The Centre is based at CBU in the School of Graduate and Professional Studies and is designed to promote and support local health research capacity.

Centre for Cape Breton Studies (CCBS)

Richard MacKinnon, PhD, Director Ext. 1248

Established as part of the Tier 1 Canada Research Chair awarded to Dr. Richard MacKinnon, the Centre for Cape Breton Studies is committed to promoting and preserving intangible cultural heritage. Unique in Atlantic Canada, the Centre is a valuable addition to Cape Breton University. The Centre for Cape Breton Studies supports visiting scholars, research, workshops and programmes of study. The Centre for Cape Breton Studies houses both the Rotary Music Performance and Analysis Room, and a state of the art digitization lab. These resources are used to engage in ethnographic and performance research, provide a venue for the dissemination of that research and prepare young scholars for graduate research in ethnomusicology, folklore and intangible cultural heritage. The Centre includes seminar and research space for the Folklore and Ethnomusicology programmes as well as offices for faculty and researchers. Additionally, the Centre is home to the academic journal Material Culture Review, which is distributed to research institutes, museums, libraries and individual subscribers in more than twenty countries worldwide.

Centre for International Studies (CIS)

Gary Leech, MA Ext. 1169

The CIS is responsible for promoting internationalization and global awareness at CBU and in the community. The Centre coordinates educational activities on the themes of development, the environment, human rights, social justice and peace. In cooperation with local and international NGOs and educational institutions, it encourages internationalization of the

Bras d’Or Institute for Ecosystem Research

Bruce G. Hatcher, PhD, Director Ext. 1943

Recognizing the importance of both the surrounding and inland sea to the viability of Cape Breton ecosystems and society, CBU has re-established the Bras d’Or Institute, founded over 30 years ago. The vision is the true sustenance of the Cape Breton ecosystem, including its people; and the mission is to bring the resources of the University to the needs of the community. The research activities of the Institute are focused on how best to operationalize ecosystem-based management of human activities within the maritime communities of Cape Breton. Current projects deal with land-ocean interactions in the coastal zone of Cape Breton, sustainable development of emerging marine fisheries and measuring the health of the Bras d’Or estuary and its watershed. The Institute partners widely with all levels of government, NGOs and the private sector. Diverse opportunities for interdisciplinary research are provided to faculty and students.

Community Economic Development (CED) Institute

George Karaphillis,BSa2-4dM d.

International Institute for Tourism Development

Wendy Wadden, LLB, Director Ext. 1229

Cape Breton University has been serving the human resource needs of the tourism industry since 1974 through its well-respected Diploma in Hospitality, BBA with a concentration in Tourism Marketing Management (1996) and most recently, a Baccalaureate degree in Hospitality and Tourism Management (2004). As CBU moves forward with its growth strategy, the time has come to take a more active role in providing additional services to industry stakeholders. To this end, the International Institute for Tourism Development was created in November 2005.

The International Institute for Tourism Development, through its Advisory Board of Cape Breton University faculty, research fellows and industry stakeholders, will be a vehicle for CBU to promote, encourage and support tourism development in Cape Breton and beyond.

One vital function of the International Institute for Tourism Development will be to promote the exchange of information among those active in the field through activities such as workshops, conferences, special events, newsletters and web site/page links.

The International Institute for Tourism Development is involved in the following:

- Advancing the quality of tourism services/facilities and sustainable tourism development/delivery with information, training and best practices;
- Supporting diversification and enhanced quality of sustainable nature-based tourism adventures and experiences by traditional and non-traditional tourism experience providers;
- Building capacity of Atlantic Canada’s tourism operators to reach new international and domestic markets.

Advisory Board
Cape Breton University Faculty and Staff
Industry Stakeholders, National and International
Research fellows, National and International

Louisbourg Institute

Andrew Parnaby, PhD, Co-Chair Ext. 1286
Graham Reynolds, PhD, Co-Chair Ext. 1145

Created in 1980, ApRes
Inbesbesute brings together professors, researchers, teachers and besdents to bhare a common passion for education, research andTc 0.0d [(p)-Tc 0.0Fortress of Louisbourg-589 0 Ame5oh Td ( )Tj a's largest HC-1.325 Td [(es) l reconbesuctions and one bess besar ogTd ( )Tj al records. ThroughHO-1. a wv(d d)-12(e r)-6(Txsd [(gh)-1( )-1c)-8(ol)-9(l)3(abTc 0.or)-6(Tt)-13(i)3(v

external bodies such as the YMCA Enterprise Centre. Partnering with those initiating technological development, CBU’s SMEI offers a different focus from the existing five University Development Centres in Nova Scotia.

Tompkins Institute for Human Values and Technology

Edwin

TEACHING AND LEARNING SUPPORT

Eileen Smith-Piovesan, MA, MEd (IT) Ext. 1459
Co-ordinator, Quality Assurance/Teaching and Learning
Office CE330 (President's Office)

The Coordinator, provides

ALUMNI OFFICE

Lindsey Smith — Ext. 1199
Development Officer

The Alumni Office fosters a lifelong interest in CBU among its graduates through alumni events, regional chapters, scholarship development and communication vehicles such as the alumni magazine, Distinction. It welcomes the participation of students during their senior years at CBU and encourages each and every graduate to maintain a lifelong relationship with their alma mater.

RECRUITMENT DEPARTMENT

Shea McInnis, MEd (IT) — Ext. 1888
Director

The Student Recruitment Office at CBU is responsible for providing prospective students with information on all post-secondary education programs and on student life at the University. It also educates students of high school age about the importance of post-secondary education, by raising aspirations and building links with high schools and colleges locally, regionally, nationally and internationally. Some of the recruitment activities undertaken by the department include high school visitations, campus tours, education fairs, open house events and an alumni referral network. The office is located in the Marvin Harvey Building (B190).

CBU GLOBAL

Eleanor Anderson, BBA, MTA — Ext. 1401
Director

CBU Global is the coordinating arm of CBU's External Department responsible for developing and delivering programs and partnerships linked to internationalization of the University. Overall, the goal is to graduate citizens who are internationally knowledgeable. Specifically, CBU Global is mandated to assist in the development and implementation of CBU's Internationalization Strategy, to ensure that CBU has an integrated and cohesive approach to international activities, to develop and deliver a broader awareness on campus and in the community, of international intercultural issues.

FACILITIES MANAGEMENT

Don MacIsaac, PEng — Ext. 1345
Director

Rick Bickerton — Ext. 1105
Manager, Facilities Operations

Ken Baker — Ext. 1416
Manager, Construction Projects

Anita Morrison — Ext. 1106
Administrative Assistant

Facilities management supports CBU’s overall mission by effectively and efficiently delivering a multitude of diverse functions. Specifically, the department is responsible for:

Cape Breton University Bookstore is located on the ground floor of the Students' Union Building next to the University Commons and is open Monday to Friday from 9:00 a.m. to 4:30 p.m. Hours are extended at the beginning of the fall and

The Human Rights Officer is responsible for matters and issues relating to all kinds of harassment and discrimination in accordance with the University Discrimination and Harassment Policy. This individual deals directly with students, faculty and staff who have complaints in these areas. Workshops and seminars on fair and equitable treatment of all members of the CBU community are offered.

Students who have any questions about these issues can talk confidentially to the Human Rights Officer who may provide suggestions and advice on your rights.

COMPUTER SERVICES

Debbie Rudderham, Chief Information Officer — Ext. 1446

Parker MacDonald, Director — Ext. 1159

The Computer Centre provides support services for all students, faculty and staff engaged in education, research and the public service mission of the University. Computer Services also assists the administrative functions that support these activities.

Computer Services maintains the University's Internet connection, Email and web services, DNS services for the CBU domain, firewall configuration, other electronic communication services including video conferencing services and telephone PBX, audio visual and smart classroom support, video production and administrative software support. Computer Services manages the University's evergreen program for students, faculty, researchers and staff. Staff members can provide detailed specifications for computer purchases and are responsible to configure and install new desktop computers for faculty and staff. The Computer Centre is located on the first floor of the Marvin Harvey Building.

COMPUTER CENTRE

Ext. 1123

The first point of contact for IT support from Computer Services is the Help Desk located on the first floor of B-Block next to the computer labs. Students, faculty, and staff may obtain help and advice on computer-related problems pertaining to on-campus facilities by visiting the Help Desk in person or by phoning at 563-1123. Problems not resolved at the Help Desk are entered into a call tracking system and assigned to appropriate staff based upon the nature and severity of the problem.

Faxes can be sent or received through the Computer Centre for a fee. The University fax number is (902) 562-0119. Video conferencing services can also be booked through the Help Desk; there is a fee for this service.

Students have access to nine computer labs equipped with current microcomputer configurations and laser printing; there is a fee for laser printing.

Each computer has software to provide word processing, spreadsheet processing, database development, statistical analysis, web browsing, email services and a host of language compilers and course-specific software. All lab computers are connected to the University's network/Internet and sit behind the Internet firewall. To authenticate access to the University's network facilities, a user Login ID and password are created for each student upon registration. Student accounts are a privilege, not a right and are governed by the University's Acceptable Use Agreement (AUA) document. Violations of the AUA can result in user accounts being deactivated.

Residence students have Internet access connections in their rooms

CAPE BRETON UNIVERSITY FOUNDATION

Cape Breton University Foundation is incorporated under the Province of Nova Scotia University Foundations Act and is a registered charity under the Federal Income Tax Act. The Foundation acts solely for the benefit of Cape Breton University.

As a result of changes to the Federal Income Tax Act in early 1997, that neutralized the benefit of providing gifts through the Foundation to CBU, the Foundation turned its attention to more innovative ways of realizing benefits for the institution. It currently owns a number of active subsidiaries, incorporated as private-sector companies, including Applied Communications Technologies, Inc.; Environmental Services Laboratory, Inc.; LearnCorp International, Inc; and Cape Breton University Press, Inc.

SENATE MEMBERSHIP

School of Science & Technology
Dr. Peter MacIntyre
Dr. Matthias Bierenstiel
Dr. Geoff Lee-Dadswell
Mr. Carl Mercer

Students' Union
Ms. Stephanie Bagnell
Mr. Philip Campbell
Mr. Tim Damon
Ms. Jennifer Howarth
Mr. Brian MacMillan
Mr. Stephen MacIsaac
Mr. Andrew Mortimer

ADMINISTRATIVE STRUCTURE AT CAPE BRETON UNIVERSITY

President & Vice-Chancellor	H. John Harker, LLD	563-1120
Vice-President, Finance & Operations	Gordon MacInnis, CA	563-1128
Vice-President, Academic & Provost	Robert Bailey, PhD	563-1980
Vice-President, External	Keith Brown, PhD	563-1859
Vice-President Student Services, and Registrar	Alexis Manley, MBA	563-1116
Administrative Assistant to the President, Vice-President, Finance & Operations	Ramona Lewis	563-1393
Administrative Assistant to the Vice President, Academic & Provost	Glenda Corbett, BBA	563-1188

Library Technician	Caroline Power, BA, Dipl LibrTech	563-1675
Library Clerk	Janet Fraser	563-1320
Library Clerk	Barry Gabriel, BEd	563-1320
Administrative Assistant	Anne Marie MacKenzie, Dipl SecSci	563-1421

Moir, Scott, BA (Wilfrid Laurier), MA (McMaster), PhD (Guelph), Associate Professor, History
Molloy, Andrew, BA, MPA, PhD (Concordia), Associate Professor, Political Science
Moore, Barry, MSW, RSW (Dal), Assistant Professor, Community Studies
Mount, Dana, B. ENV. Studies (York University), MA (York University), Assistant Professor, English
Mullan, David G., BA (Calgary), BD (Otago), BEd (Queen's), ThM (Toronto), PhD (Guelph), Professor, History and Religious Studies
Mulo-Farenkia, Bernard, BA (Yaounde), MA, PhD (Saarland), Associate Professor, French
Mysyk, Avis, BA, MA, PhD (Manitoba), Associate Professor, Anthropology
Nicholls, Roderick, BA (Mt. Allison), MA, PhD (Queen's), Associate Professor, Philosophy, Dean of Arts and Community Studies
Odartey-Wellington, Felix, BA(Hors), BL(Ghana), Grad. Diploma Transitional Justice (Cape Town), MA (Concordia), PhD (Ryerson-York), Assistant Professor, Communications
Parish, Joseph, MA (Western), PhD (Missouri-Columbia), Assistant Professor, Anthropology & Sociology
Parnaby, Andrew BA (Hons) (Queen's), MA (Simon Fraser), PhD (MUN), Associate Professor, History
Pettigrew, Todd, BA (Hons) (Western), MA (McMaster), PhD (Waterloo), Associate Professor and Department Chair, English
Ramji, Ruby, BA, MSc (Wilfrid Laurier), PhD (Ottawa), Associate Professor, Religious Studies
Reynolds, Andrew, BA (UNB), MA, PhD (Western), Associate Professor, Philosophy
Reynolds, P. Graham, BA (Minnesota), MA, BEd, PhD (Queen's) Professor, History and Department Chair, History and Fine Arts
Rolls, Judith A., BA (StFX), BEd (Dal), MA (Maine), PhD (Indiana), Professor, Communication
Silverberg, Mark, BEd (Toronto), MA, PhD (Dal), Associate Professor, American Literature
Sparling, Heather, BA (Wilfrid Laurier), MA, PhD (York), Associate Professor, Ethnomusicology, Chair Heritage and Culture
Stewart, R. Scott, BA (Dal), MA (Guelph), PhD (Waterloo), Professor and Department Chair, Philosophy
Urbaniak, Tom, BA (Hons), MA (d(an)-12(a))-6(,)-1(P)2(24(-P)-12(uni)3(c))-8(o)-12(ph)-()-12(a))-6(,)-1(U)an Li6

FACULTY

FACULTY

MacDonald, Paul, MD (Dalhousie)

Part-time
Basso,

FACULTY

MacNeil, Blair, BEng (TUNS), BSc (StFX), Instructor, Engineering

FACULTY

Campbell, Kelly, Psychology
Rogers, Conrad, Mathematics, Physics and Geology

UNAMA'KI COLLEGE OF CAPE BRETON UNIVERSITY

Unama'ki College Elders (retired Indigenous Studies professors)
Marshall*, Joseph B., LLB (Dal), retired Associate Professsor of Mi'kmaq Studies
Marshall*, Murdena, BEd (UNB), MEd (Harvard, D. Letters, honoris causa (CBU). Retired Associate Professor of Mi'kmaq Studies
Moore*, Sr. Dorothy, BA, BEd, MEd (StFX), D. Letters, honoris causa (MSVU), D. Laws, honoris causa (CBU), D. Civil,t16 Tc21((a

GLOSSARY

Academic Year - The phrase that describes the period from September to April. Also referred to as the fall/winter term.

Admission - Acceptance of a candidate for enrolment in a specified program.

Audit - Standing of students who are registered in one or more courses, exclusively on a not-for-credit basis, and without completing assignments or examinations.

Baccalaureate - Related to a bachelor's degree.

Bachelor's Degree (Baccalaureate Degree) - An undergraduate university degree program.

Calendar - An annual publication of academic regulations, schedules, programs of study and course descriptions.

Calendar of Events - List of important dates for things like admissions, registration, voluntary withdrawal, fee deadlines, first and last day of classes, start and end dates for exams, etc.

Chair - Head of an academic department.

Concentration - A specific area or discipline of study in a degree program.

Convocation - The ceremony that occurs in the spring and fall at which degrees, diplomas and certificates are conferred on the graduates.

Cooperative Education Program (Co -op Program) - A program that formally integrates academic studies with work experience in employer organizations.