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DATES FOR THE 2009-2010 ACADEMIC YEAR

Updated Dec 10, 2009

| Ma c 2009 | | | | | | |
|-----------|-----|-----|-----|-----|-----|-----|
| SUN | MON | TUE | WED | THU | FRI | SAT |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |

Apr
12 - 23

Writing Requirement: This term, also called the Academic Writing Requirement, refers to the obligation of students to take a writing course. This requirement is intended to aid students in developing their writing skills and strategies to the level generally expected of university students. Students may be exempted from the requirement in accordance with one of the criteria listed in *Degree and Major Requirements*.

I

THE UNIVERSITY

1. Degrees Offered

- a. Undergraduate Degrees
- b. Graduate Degrees

2. Mission Statement

- a. Mission
- b. Guiding Principles

1. Degrees Offered

a. Undergraduate Degrees

The University confers the following undergraduate degrees in the Faculties of Arts, Science, Education, Theology, and Business and Economics:

| | |
|---|-------------------------------|
| Bachelor of Arts | BA (90 credit hours) |
| Bachelor of Arts (4-Year) | BA(4-Yr) (120 credit hours) |
| Bachelor of Arts (Honours) | BA(Hons) (120 credit hours) |
| Bachelor of Science | BSc (90 credit hours) |
| Bachelor of Science (4-Year) | BSc(4-Yr) (120 credit hours) |
| Bachelor of Science (Honours) | BSc(Hons) (120 credit hours) |
| Bachelor of Education (Integrated with BA) | BEd/BA (150 credit hours) |
| Bachelor of Education (Integrated with BSc) | BEd/BSc (150 credit hours) |
| Bachelor of Theology | BTh |
| Bachelor of Business Administration | BBA (90 credit hours) |
| Bachelor of Business Administration (4-Year) | BBA (4-Yr) (120 credit hours) |

b. Graduate Degrees

The University confers the following graduate degrees:

University of Winnipeg Master's Program:

| | |
|--|------|
| Master of Arts in Aboriginal Governance | MA |
| Master of Arts in Applied Computer Science and Society | MA |
| Master of Science in Bioscience, Technology and Public Policy | MSc |
| Master of Arts in English with a focus In Cultural Studies | MA |
| Master of Marriage and Family Therapy | MMFT |
| Master of Arts in Theology | MA |
| Master of Divinity | MDiv |
| Master of Sacred Theology | STM |

Joint Master's Program with the

University of Manitoba:

| | |
|----------------------------|----|
| Master of Arts in History | MA |
| Master of Arts in Religion | MA |

II

ADMISSION AND READMISSION

- 1. Admission Process**
 - a. Student Number
 - b. Application Fees
 - c. Documentation Required
 - d. Application Deadline Dates
 - e. Acceptance
 - f. Retention of Documents
 - g. Readmission
- 2. Admission into a Program of Study**
 - a. Enrolment Limits
 - b. Admission to the Faculty of Education
- 3. Student Admission Categories**
- 4. Regular Status Admission Requirements**
 - a. Manitoba High School Applicants

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Please see the Education section of the Calendar for more information.

- Students are admitted to the Integrated BEd or After-Degree programs for studies commencing in the Fall Term.
- Applicants to the Integrated BEd Program must meet Regular or Mature Status.

Note: An interim grade of 75% or more is required for Visa Students. No interim grade less than 65% in the five Grade 12 credits will be used to determine eligibility for admission. Students who meet the above conditions will be granted REGULAR-INTERIM admission by early May and will be permitted to register for 2009-2010 Fall and Winter Term courses in June.

Out-of-Province High School Applicants

- Must meet the requirements for Regular Status Admission as outlined in Section 4b.
- Consideration for early admission to the Faculties of Arts, Science, Education, or Business and Economics on the basis of interim grades, will be given to those students who have an average of 70% with no interim grade less than 65%.
- Offers of early admission will be withdrawn if graduation requirements are not met.
- Visa Students who will be graduating from a Canadian high school and who have a minimum TOEFL score of 550 (213 computer-based, 80 Internet-based with a minimum score of 19 in the Listening, Reading, and Writing components) or CanTEST results as outlined in Section 7 or a minimum IELTS score of 6.4042(6)-5040:(n)-5.70406(i0406(i)-5.71889(g)-5.70406(h)556]TJ -184.801 0 Td -5.70406(s)1 0

b. Transfer from Fully-Accredited Institutions of Higher Learning

Applicants who have attended another university or post-secondary institution are required to submit official transcripts of all work previously completed. Transcripts must be submitted along with the Application for Admission or as soon as final results are available.

– Students applying to transfer from a university or college outside Canada are requested to send a copy of the Calendar or Course Syllabus of the institution showing details of all courses taken. This assistance will speed the processing of the application. In some

| IB Examination | University of Winnipeg recognition |
|---------------------|--|
| Biology | transfer credit for BIOL-1115/3 and BIOL-1116/3 |
| Chemistry | transfer credit for CHEM-1000/6 Unallocated First Year Chemistry - may not hold with CHEM-1111/3 and CHEM-1112/3. |
| Economics | advanced standing for first year Economics - A student who then completes ECON-2101/3 (Intermediate Micro Economics) and ECON-2102/3 (Intermediate Macro Economics) with a minimum grade of C+ will retroactively receive transfer credit for ECON-1102/3 (Intro Micro Economics) and ECON-1103/3 (Intro Macro Economics). |
| English | transfer credit for ENGL-1001/6 |
| French | advanced standing for first year French literature |
| French (Standard) | student may not take FREN-1111/6 for credit |
| Geography | transfer credit for GEOG-1102/3 and GEOG-1103/3 |
| History | transfer credit for HIST-2XXX/6 (the actual course credit varies) |
| Mathematics | transfer credit for MATH-1101/6 |
| Philosophy | transfer credit for PHIL-1001/6 |
| Physics | transfer credit for PHYS-1000/6 (First year Physics) |
| Theory of Knowledge | advanced standing for first year Philosophy |

g. Advanced Placement Program (College Board)

Credit or advanced standing is granted in specific subject areas on the basis of Advanced Placement (College Board) examinations provided a minimum score of 3 has been attained (in some cases a score of 4 is required). An official mark statement from the College Board must be forwarded to the Admissions Office. Students may elect to decline the credit or advanced standing. For complete details contact the Admissions Office.

| AP Examination | University of Winnipeg recognition |
|--------------------------|---|
| Biology | transfer credit for BIOL-1115/3 and BIOL-1116/3 (minimum grade of 4.0) |
| Chemistry | transfer credit for CHEM-1111/3 and CHEM-1112/3 (minimum grade of 4.0) |
| Computer Science A or AB | transfer credit for ACS-1903/3 (minimum grade 4.0) |
| Economics | course challenge (credit by examination) |
| English Lang/Comp | no transfer credit but exempted from University Writing requirement with minimum grade of 4.0 |
| English Lit/Comp | transfer credit for ENGL-1001/6 (minimum grade of 4.0) |
| French Language | transfer credit for FREN-1111/6 (minimum grade of 3.0) |
| French Literature | transfer credit for FREN-1381/6 (minimum grade of 3.0) |
| Geography | transfer credit for GEOG-1102/3 and GEOG-1103/3 (minimum grade of 4.0) |
| German | transfer credit for GERM-2201/6 (minimum grade of 3.0) |
| History | transfer credit for HIST-1000/6 History unallocated (minimum grade of 3.0) |
| Art History | transfer credit for HIST-2800/6 (minimum grade of 4.0) |
| Calculus AB | transfer credit for MATH-1102/3 (minimum grade of 3.0) |
| Calculus BC | transfer credit for MATH-1101/6 (minimum grade of 3.0) |
| Physics B or C | advanced standing for first year Physics (minimum grade of 4.0) |
| Psychology | individual assessment for advanced standing |
| Politics | individual assessment for advanced standing |

III

REGISTRATION

Updated Oct. 5/09

1. General Information
 2. Requirements
- a. Period of Study for an Undergraduate degree
 - b. Definition of Full-time/Part-time students
 - c. Prerequisites

For information on fees to audit a course, please see *Fees*.

e. **Maximum Course Load**

There is a limit to the number of credit hours a student may take per term.

Regular Status

The normal course load for Regular status is 15 credit hours per term.

- Students who have completed 30 credit hours or more, with a GPA of 2.5 (C+) or higher, may register for 18 credit hours per term without seeking written permission.
- All other Regular status students must seek the written permission of an Academic Advisor if they wish to register for more than the normal course load.

Probationary / Conditional Status

Probationary and Conditional status students may register for a maximum of 9 credit hours per term. Students wishing to register for more than 9 credit hours per term, must seek written permission of an Academic Advisor before registration.

Mature Status

Mature status students are limited to 12 credit hours per term unless written permission for an overload is obtained from an Academic Advisor.

Concurrent Status

Concurrent students are allowed a maximum of 15 credit hours per term in courses taken at the Collegiate and the University (a full credit course in the Collegiate is equivalent to 6 credit hours).

f. **Prerequisites**

A prerequisite is a course that must be successfully completed before a student can register for another course.

Upper Course Prerequisites

Many second, third and fourth year courses have prerequisites which are noted in the course descriptions. It is the student's responsibility to ensure that all prerequisites are met or a departmental waiver is obtained before registration.

Students who believe they have background comparable to the material in a prerequisite course may ask the Department Chair for permission to take a course without having taken the prerequisite course(s). Students must first obtain approval for the prerequisite waiver from the course instructor. If approved, the instructor will email the permission to the Registration Office. You will be registered in the course and then notified. If the course is full, you will be placed on the course wait list. Please see the Wait List section for further information.

High School Prerequisites for First Year Courses

The following departments and programs have Senior 4 (Grade 12) or equivalent prerequisites which must be met before students may take introductory courses in these departments.

| | |
|---------------------------|----------------------------|
| In order to register for: | you must have standing in: |
|---------------------------|----------------------------|

Applied and Social Sciences | Business Administration | Health Sciences | Humanities | Life Sciences | Mathematics | Physical Sciences | Public Health | Social Work | Teacher Education | The Arts | Veterinary Medicine | Writing Intensive Programs

Transfer students seeking to complete a second degree should meet with an Admissions Officer to discuss program requirements and possible course waivers.

- **Course Sides**

Academic advising is available in Student Services for students 48490 Td ()Tj 2.(v)Tj 4.02769 7209.56 -9.18 Td (s)Tj 4.02769 0 Td (t)Tj 2.22425 0 Td (u)Tj 4.44849 0 T(d)9(s)Tj 3C702769 0 Td (a)Tj 4.44849 7



June-August registration period to ensure the best course selection. Registration for Winter term courses is on-going from late September until the day before classes begin in January.

• **Resi o n t a S i a T e / S P e S e s o n C o s e**

A separate registration period is held in March/April for the Spring term courses and continues through June for the Summer Session.

d. **C o s e E a l a o n C o n f l i c t s**

Students registering for courses with direct final exam conflicts must consult with their department professors to see if a private arrangement can be made to reschedule one of the exams.

If arrangements cannot be made with one of the professors, the student must complete a rescheduled exam form for submission to Academic Advising. This form must be submitted after the latest withdrawal date for the courses in question, but not later than 10 working days before the scheduled exam date.

See *Academic Regulations and Policies* for further information on rescheduled exams.

4. **Pos Re s i a o n**

a. **C o s e C a s e**

Students may add courses or drop courses during the time periods indicated on the University's website.

Students adding a course after the first six (6) days of the term may do so only with written permission from an Academic Advisor and from the department, indicating that late entry into the course meets with the instructor's approval and is in the student's best interest.

Students are urged to read the tuition refund schedules for Fall, Fall/Winter, Winter and Spring terms carefully to avoid, or minimize, financial penalty for dropping courses.

b. **Sec d (T d) I 99129 I 2.64 I 4.4 Td 64.2 I 4. Tf 3.d () 8494.027 W T f 37.574449 3 06d / R T d 7 I 849 (/ O T () I)**

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IV FEES

Updated Aug 26/09

1. **Information**
 2. **Application for Admission**
 3. **Integrated BEd / BA or BSc Program Deposit**
 4. **Fee Schedules**
 - a. Tuition fees
 - b. Facilities fee
 - c. Ancillary fee
 - d. Lab fee
 - e. Practicum fee in education courses
 - f. Theatre Levy
 - g. Menno Simons Student Service Fee
 - h. University of Winnipeg Student Association (UWSA) fees
 5. **Fee Payments**
 - a. Where to Pay Fees
 - b. When to Pay Fees
 - c. How to Pay Fees
 - d. Payments made through Awards, Student Loans, an Agency or Sponsor
 - e. What Happens if Fees Are Not Paid
 - f. Withdrawals
 - g. Non-Refundable Fees
 6. **Income Tax Receipts (T2202A)**
- i. Challenge for Credit
 - j. Auditor
 - k. Senior Citizen
 - l. Incidental Fees

1. Information

The 2009-2010 fee schedule will be available on the University of Winnipeg website as soon as it has been established. The Student Records Office must be informed of any address changes.

Students should see *Student Awards and Financial Aid* for detailed information.

For more information and arrangements, call the Student Financial Services office at 786-9244 or 786-9884.

2. Application for Admission

| | |
|---|---------|
| Canadian citizens and permanent residents | \$60.00 |
| All international applicants | \$90.00 |
| Application for Continuance | \$25.00 |
| Visiting Students | \$25.00 |

Note: Application fees are not refundable.

3. Integrated BEd / BA or BSc Program Deposit

Students accepted into the Integrated BEd / BA or BSc Program pay a non-refundable deposit to confirm their place in the program. Currently, this fee is \$100.00.

4. Fee Schedules

a. Tuition Fees

The basic tuition fee schedule applies to an undergraduate student who, at the time of commencement of the term, is either a citizen or a permanent resident of Canada.

The Visa Students' differential tuition fee schedule applies to an undergraduate student who, at the time of commencement of the term, is not a citizen or a permanent resident of Canada.

International Visa Students first registered for courses in the University

| Science Courses, Visa Fees | | | |
|-----------------------------------|----------|-------|----------|
| each 6-credit course | 1,248.24 | 24.96 | 1,273.20 |
| each 3-credit course | 624.12 | 12.48 | 636.60 |

- By depositing a cheque or money order in the drop box in Centennial Hall, Main Floor, east wall by the Security Office.
 - By mailing payment to Student Central, The University of Winnipeg, 515 Portage Avenue, Winnipeg, MB R3B 2E9. Payments must be received by the due date.
 - By using your own Online Bank Payment application, selecting the University of Winnipeg and using your seven digit ID as your account number.
 - Online through WebAdvisor using Visa or Mastercard.
- NOTE: All payments processed on WebAdvisor are subject to a per transaction convenience fee.

b. When to pay fees

Registration fees are payable at the time of registration.

V

STUDENT AWARDS AND FINANCIAL AID

1. Information and Advice

2. Entrance Scholarships

- a. Advanced Early Admission Entrance Scholarships
- b. Special Entrance Scholarships
- c. Major Entrance Scholarships
- d. Other Entrance Scholarships

3. Undergraduate Scholarships

- a. Academic Proficiency Scholarships
- b. Sir William Stephenson Scholarships
- c. Department and General Undergraduate Scholarships
- d. Academic Medals

4. Graduate Awards

5. Financial Aid

- a. Student Financial Assistance Programs
- b. Bursaries
- c. Special Awards for High Need Students
- d. Emergency Loans
- e. Work Study Program

6. Other Programs

1. Information and Advice

The University of Winnipeg offers a comprehensive awards
pra

records with leadership qualities and the potential to make a valuable contribution to Canada.

Students must apply for the Sir William Stephenson Scholarships. For 2008-2009, two students were awarded these \$6,500 scholarships.

c. Department and General Undergraduate Scholarships

Department Scholarships are available to students on the basis of their academic majors by nomination from academic departments.

General Undergraduate Scholarships are not restricted to students in any single department. Recipients for most of these scholarships are identified on the basis of students' academic performance, without the necessity of application. A small number do require application. The Awards and Financial Aid Office sends application forms to all students who have an overall grade point average of 3.75. For 2008-2009, 303 students received these scholarships which range in value from \$100 to \$10,000.

d. Academic Medals

Medals are awarded at each Spring Convocation to students who achieve the highest standing for degree programs and for majors. Gold and silver medals are awarded to the students who achieve the highest and second highest standing for each undergraduate degree program. Gold medals also are awarded to the students who achieve the highest standing for each major.

Students who graduate in the fall are considered for medals at the next Spring Convocation.

4. Graduate Awards

The Awards & Financial Aid Office administers a small number of awards for students registered in the Joint Master's Program. Students must apply for these awards which range in value from \$500 to \$8,000.

Graduate awards also are administered through Research & Graduate Studies and through the academic departments that offer graduate programs. Inquiries about the awards available should be directed to these areas.

5. Financial Aid

a. Student Financial Assistance Programs

Students who require substantial financial assistance should apply to the Canada Student Loan Program and provincial financial assistance programs through the province in which they are a resident.

Many chartered financial institutions also offer student loan and student line-of-credit programs which have favorable terms and interest rates.

The University of Winnipeg offers several supplementary financial assistance programs for students:

b. Bursaries

Bursaries are supplementary awards granted to students who demonstrate financial need and who have maintained a satisfactory academic record. Students must apply for most bursaries, and assessments are done at various times during the Fall/Winter academic year and during the Spring Term.

For the 2008-2009 academic year and the 2008 Spring Term, approximately 580 students were awarded University of Winnipeg bursaries, mostly valued from \$400 to \$750. Some bursaries of up to \$5,000 also were awarded.

c. Special Awards for High Need Students

Several awards are designated for students who have high levels of financial need. This normally is defined as having an assessment of financial need through the Canada Student Loan Program of at least \$8,000, with preference given to students who have financial need assessments that exceed the maximum financial assistance available through the government student aid program. For the 2008-2009 academic year, 3 scholarships and 13 bursaries of this type were awarded, ranging in value from \$1,000 to \$8,500.

d. Emergency Loans

Students may apply for short-term, interest-free loans from the University through the Emergency Loan Assistance International Student Emergency Assistance Fund.

VII

ACADEMIC REGULATIONS AND POLICIES

1. **Information And Advice**
2. **Classroom Regulations**
 - a. Attendance
 - b. Course Outlines
 - c. Completing Course Work
 - d. Format of Submitted Work
 - e. Identification at Tests and Examinations
 - f. Posting of Grades
3. **Grading**
 - a. Final Grades
 - b. Notification of Grades
 - c. Repeating Courses
 - d. Calculating the Grade Point Average (GPA)
 - e. Degree GPA (Graduation GPA)
 - f. Cumulative GPA
4. **Transcript of Academic Record**
5. **Challenge for Credit - Assessing Prior Learning**
6. **Academic Standing and Status Evaluation**
 - a. Grade Point Requirements For Degrees
 - b. Exceptional Performance
 - c. Minimum Performance Requirements to Remain in a Program
 - d. Probationary Status Students
 - e. Mature Status Students
 - f. Academic Suspension
 - g. Not Allowed to Continue Status
7. **Student Discipline**
 - a. Academic Misconduct
 - b. Non-academic Misconduct
8. **Senate Appeals**
 - a. Information and Advice
 - b. Admission
 - c. Credit and Audit Status in Courses
 - d. Deferred exams and Incomplete Term Work
 - e. Readmission
 - f. Retroactive Withdrawal
 - g. Waiver of Graduation Requirements
 - h. Further Appeal
9. **Grade Appeals**
 - a. Grades on an Individual Item of Work
 - b. Final Grades
 - c. Further Appeal
10. **University Policies And Codes**

Minimum Performance Table

| Credit hours attempted | Minimum GPA | Credit hours attempted | Minimum GPA |
|-------------------------------|--------------------|-------------------------------|--------------------|
| 18-30 | 1.4 | 60.01-90 | 1.6 |
| 30.01-60 | 1.5 | 90.1+ | 1.65 |

d. Probationary Status Students

Students are placed on probation when their end of term evaluation shows that their performance level has fallen below the minimum required. Probationary status is effective immediately.

When students are on probation, their performance level is re-evaluated after subsequent terms. At that time, to remain at the University, they must have achieved one of the following conditions:

–To regain Regular status, students must meet the performance level based on all courses attempted.

–To remain on Probationary status, students must obtain a minimum 2.0 GPA on courses attempted since the last assessment.

Failure to achieve either of these two conditions will result in academic suspension.

Students on probation cannot enrol at other universities to try to remove the probationary status, and should consult an Academic Advisor to discuss their course load, their course selection, and the effects of probation on their academic career.

Students in the Integrated BEd/BA or BSc program who are placed on probation are removed from the BEd portion of the program but can remain in the Arts or Science program. They can seek readmission to the BEd program as a Transfer or After-Degree applicant if they achieve Regular status and meet the admission requirements. Applicants to the BEd program must be on Regular or Mature status.

e. Mature Status Students

Mature status students are **admitted on probation**. After 24 credit hours, if they meet the minimum performance level indicated in the Minimum Performance Table, they are given Regular student status. They may be given Regular status if they achieve 36 weighted grade points with fewer than 24 credit hours.

If they do not meet the minimum performance level, they are **not allowed to continue** with their university studies. If a student is registered in the term during which notification of the impending status change is sent, the not allowed to continue status becomes effective at the end of that term, unless the student chooses to withdraw immediately.

Students on “not allowed to continue” status must re-apply for admission and must meet Regular status admission requirements. Degree credit is granted for courses previously completed at the University. In extraordinary circumstances, students may appeal for reinstatement. (See *Appeals*).

f. Academic Suspension

Probationary status students who continue to perform below the minimum performance level are placed on academic suspension. If a student is registered in the term during which notification of the impending status change is sent, the suspension or withdrawal becomes effective at the end of that term, unless the student chooses to withdraw immediately.

The first academic suspension is normally for one calendar year. A student on academic suspension cannot resume studies until the suspension period has expired. To seek reinstatement after a first suspension, the student must see an Academic Advisor after completing the Application for Continuance process.

Second and subsequent suspensions are for two years. To seek reinstatement after a second or subsequent suspension, the student must submit a request for reinstatement in writing to the Senate Appeals Committee. (See *Appeals*). Submission of an appeal does not assure reinstatement.

g. Not Allowed to Continue Status

Students who receive more than 30 credit hours of failures have

Academic Misconduct Investigation and Disciplinary Decisions

Level I: Instructor

When evidence of academic misconduct is discovered, the instructor will begin the formal discipline process by informing the appropriate Departmental Chair/Coordinator and Departmental Review Committee in writing of the alleged misconduct.

Level II: Departmental Review Committee

Upon receipt of the instructor's written report, the Departmental Review Committee will notify the student in writing of the allegation of misconduct. The notice will include the instructor's written report of the alleged misconduct and a notification of the student's right to present her/his case, in writing and/or in person. The right to

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interactions with their peers, faculty, staff and administration and in their use of campus property. The intent of this policy is to encourage appropriate student conduct and to identify and regulate student non-academic misconduct which infringes on the above mentioned freedoms and thereby jeopardizes the essential values of our academic community: mutual respect, dignity and civility.

In general, within the University's precincts, students should conduct themselves, individually and collectively, in ways that are consistent with the University's commitment to academic excellence, intellectual freedom, cultural diversity, individual achievement and personal dignity. The University is, above all, a community of scholars engaged in teaching, research and learning. Conduct which promotes an environment appropriate to these pursuits is desirable. Any conduct that detracts from the maintenance of such an environment is undesirable. This includes not only threatening, abusive, disruptive or violent behaviour that directly and immediately affects the health, safety, security or freedom of others, but also patterns of behaviour which, over time, cumulatively cause others to experience a perceived threat to their academic or social environment, or to their personal well-being.

This policy is rooted in the concept of collegiality. It not only requires students to conduct themselves in a manner befitting an academy of scholars, but as well to take individual and collective responsibility for sustaining an acceptable academic milieu by responding appropriately to non-academic misconduct on the part of others.

For more information on this policy, contact the Registrar at 786-9337.

8. Senate Appeals

a. Information and Advice

Students have a right of appeal. All appeals must be in writing. Decisions are made by the appropriate body and are based on the information and supporting documentation provided in writing by the student.

All students wishing to appeal must consult an Academic Advisor to discuss their situation, for information on appeal procedures, and to obtain the appropriate appeal form as required.

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Deadline to Appeal

VIII

DEGREE AND MAJOR REQUIREMENTS

1. Information and Advice

2. General Degree Requirements

- a. The Writing Requirement
- b. The Humanities Requirement
- c. The Science Requirement
- d. The 4-Year BA and BBA Social Science Requirement
- e. The Subject Distribution Requirement

Winnipeg was prior to September 1989.

Students who are required to take RHET-1105(3):

- students receiving 60% or more but less than 80% in English 40 (2 credits)
- students receiving 60% or more in English 40 (1 credit)
- students receiving 4.0 or 4.5 on the writing component of the CanTEST or TWE or 6.0 or 6.5 on IELTS writing

Students eligible to take RHET-1105(3) may register for RHET-1110(6) instead.

Students are not required to take RHET-1110(6), but the following are encouraged to do so:

- students receiving less than 60% in English 40 (2 credits) or English 40 (1 credit)
- students receiving 3.5 on the writing component of the CanTEST or TWE or 5.5 on IELTS writing

Note: Students who do not fit any of the above categories or who are uncertain of their placement should contact the Department of Rhetoric, Writing, and Communications for placement advice.

Validation of Placement: On the basis of writing done early in the course, faculty members may advise students registered in the 3 credit-hour course that a full year's work would increase their chances of improving their writing and satisfying the writing requirement, and may recommend a move to the 6 credit hour version of Academic Writing or to Academic Writing for ESL students; other students may be advised that they should move from a 6 credit hour to a 3 credit hour course. The faculty member and student may also decide, following discussion of the student's writing, that he or she could benefit from peer tutoring, available free in the Tutoring Centre and the Computer Writing Lab.

Students who are exempted from the University Writing Requirement are encouraged to take courses in the Department's upper-level group. Exempted students who are interested in working as writing tutors should inquire at the Department of Rhetoric, Writing, and Communications about the required preparatory course work.

b. The Humanities Requirement

Students must complete a minimum of 12 credit hours in Humanities courses. Where relevant, a course may fulfil

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Bachelor of Arts Majors (Cont'd)

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|---|-------------------------|
| Human Rights and Global Studies (HRGS) | 3-Year, 4-Year |
| Interdisciplinary Linguistics (LING) | 3-Year, 4-Year |
| International Development Studies (IDS) | 3-Year, 4-Year, Honours |
| Kinesiology and Applied Health (KIN) | 3-Year, 4-Year |
| Mathematics (MATH) | 3-Year, 4-Year |
| Philosophy (PHIL) | 3-Year, 4-Year, Honours |
| Politics (POL) | 3-Year, 4-Year, Honours |
| Psychology (PSYC) | 3-Year, Honours |
| Religious Studies (REL) | 3-Year, 4-Year, Honours |
| Rhetoric and Communications (RHET) | 3-Year, 4-Year |
| Sociology (SOC) | 3-Year, 4-Year, Honours |
| Statistics (STAT) | 3-Year, 4-Year |
| Theatre and Film/Dance (THFM & DANC) | 3-Year, Honours |
| Women's and Gender Studies (WGS) | 3-Year, 4-Year, Honours |

Bachelor of Science Majors

| | |
|--------------------------------------|--|
| Applied Computer Science (ACS) | 3-Year, 4-Year, Honours |
| Bioanthropology (BANT) | 3-Year, 4-Year |
| Biochemistry (BCHM) | 3-Year, 4-Year, Honours |
| Biology (BIOL) | 3-Year, 4-Year, Honours, 4-Year Applied (UW/RRC) |
| Biopsychology (BPSY) | 3-Year, Honours |
| Chemistry (CHEM) | 3-Year, 4-Year, Honours, 4-Year Applied (UW/RRC) |
| Environmental Studies (ENV) | 4-Year, 4-Year Applied (UW/RRC) |
| Kinesiology and Applied Health (KIN) | 4-Year |
| Mathematics (MATH) | 3-Year, 4-Year, Honours |
| Physical Geography (GEOG) | 3-Year, 4-Year, Honours |
| Physics (PHYS) | 3-Year, 4-Year, Honours |
| Statistics (STAT) | 3-Year, 4-Year |

Bachelor of Business Administration Majors

| | |
|-------------------------------|----------------|
| Administrative Studies (AS) | 3-Year, 4-Year |
| Business Administration (BUS) | 3-Year, 4-Year |

Bachelor of Education Majors

| | |
|------------------------------------|-----------------------|
| Applied Computer Science (ACS) | 5 year BEd /BA or BSc |
| Biology (BIOL) | 5 year BEd/BSc |
| Chemistry (CHEM) | 5 year BEd/BSc |
| English (ENGL) | 5 year BEd/BA |
| French Studies (FREN) | 5 year BEd/BA |
| Geography (GEOG) | 5 year BEd /BA or BSc |
| German Studies (GERM) | 5 year BEd/BA |
| History (HIST) | 5 year BEd/BA |
| Kinesiology & Applied Health (KIN) | 5 year BEd/BA |
| Mathematics (MATH) | 5 year BEd/BA or BSc |
| Physics (PHYS) | 5 year BEd/ BSc |
| Theatre and Film (THFM) | 5 year BEd/BA |

4. Bachelor of Arts Degree Requirements

a. 3-Year Bachelor of Arts

The 3-Year Bachelor of Arts degree program provides students with a solid background in the liberal arts and sciences. Program requirements may vary. Students should consult individual department/program entries for specific course and program requirements.

Graduation Requirement 90 credit hours

Residence Requirement

Degree: Minimum 30 credit hours
 Major: Minimum 18 credit hours
 Double Major: Minimum 18 credit hours in each major.
 Combined Major: Minimum 12 credit hours in each major area.

General Degree Requirements

Humanities: 12 credit hours
 Science: 6 credit hours
 Writing: Minimum 3 credit hours of Academic Writing.
 Distribution: Minimum 3 credit hours course in each of five (5) subjects.

Maximum Introductory Courses: Maximum 42 credit hours at the 1000 level, including maximum 6 credit hours at the 0000 level.

Major Requirements

Single Major: Minimum 30 or 36 credit hours/Maximum 48 credit hours.
 Double Major: Minimum 30 or 36 credit hours/Maximum 48 credit hours in each major subject as specified by the department/program.
 Combined Major: Minimum 48 credit hours from 2 different majors with not less than 18 credit hours from each major subject.

b. 4-Year Bachelor of Arts

The 4-Year Bachelor of Arts offers students the advantages of substantial specialization in a major field of study combined with a wide background in the liberal arts and sciences.

Specialization in the subject area is enhanced by a systematic exposure to cognate areas of study.

Program requirements may vary. Students should consult the individual department/program entries for specific course and program requirements.

Graduation Requirement 120 credit hours

Residence Requirement

Degree: Minimum 60 credit hours

Distribution: Minimum 3 credit hours course in each of five (5) subjects.

Maximum Introductory Courses: Maximum 12 credit hours at the 1000 level, including maximum 6 credit hours at the 0000 level.

Major Requirements

Single Major: Minimum 36 credit hours/Maximum 48 credit hours.

Double Major: Minimum 36 credit hours/Maximum 48 credit hours in each major subjects as specified by the department/program.

Combined Major: Minimum 48 credit hours from 2 different majors with no less than 18 credit hours from each major subject.

b. 4-Year Bachelor of Business Administration

The 4-Year Bachelor of Business Administration offers students the advantages of substantial specialization in business combined with a wide background in the liberal arts and sciences.

Specialization in the subject area is enhanced by a systematic exposure to cognate areas of study.

Program requirements may vary. Students should

- requirement)
- 6 credit hours in Social Studies (only History and Geography courses can be used to fulfill the Social Studies requirement)
- 9 credit hours in total of Science and Math (only Biology, Chemistry, or Physics courses can be used toward the Science requirement. Statistics courses cannot be used to fulfill the Math requirement.) Students must have either 6 credit hours in Science and 3 credit hours in Math, or 3 credit hours in Science and 6 credit hours in Math.
- Courses used toward the major and/or minor teachable areas can also be used to fulfill the Distribution Requirement.

b. Requirements for BA or BSc Graduates to Obtain the BEd Degree (After Degree Program)

Admission Requirements

-Space in the After Degree BEd Program is limited, and not all eligible applicants may be admitted.

-All applicants must have completed a first undergraduate degree (minimum 90 credit hours), with appropriate course work completed in a major teachable area and a minor teachable area.



courses may be below the 2000 level in the two degrees; maximum 6 credit hours out of the 42 credit hours can be below the 1000 level.

- Students may major in the same subject as a teaching area.

• **University of Winnipeg 4-Year BEd Graduates Seeking a 4-Year or Honours BA or BSc**

Students must complete a minimum of 60 additional credit hours for the second degree thereby presenting a minimum number of 180 credit hours in total.

- A minimum of 96 (36 credit hours for the 4-Year BEd, 60 credit hours for the 4-Year or Honours BA, BSc or BBA) credit hours must be credits earned through University of Winnipeg courses.

- Students must fulfil all Degree, Major, Course and Performance Requirements for the degree being sought (e.g., Humanities and Science Requirements).

- A maximum of 42 credit hours in Arts and Science courses may be below the 2000 level in the two degrees; maximum 6 credit hours out of the 42 credit hours can be below the 1000 level.

- Students may major in the same subject as a teaching area.

d. **Integrated BEd/BA or BSc Program (Includes Joint UW/RRC Business Teacher Education and Industrial/Arts Teacher Education Programs)**

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PROFESSIONAL AND APPLIED STUDIES

INTRODUCTION

The University of Winnipeg offers studies in a variety of pr0

APPLIED STUDIES IN A FOUR-YEAR BACHELOR OF ARTS DEGREE

4-YEAR JOINT COMMUNICATIONS DEGREE/DIPLOMA (The University of Winnipeg and Red River College)

The University of Winnipeg offers a combined degree/diploma program in Communications in cooperation with Red River College. Generally, students begin at the University of Winnipeg, completing at least 60 credit hours before proceeding to Red River, where they take the two-year Creative Communications Program. The final 12 credit hours of University of Winnipeg courses must be taken during these two years at Red River College if the student wishes to graduate within four years; otherwise, these credit hours may be completed before or after attending Red River College. Students are granted block transfer of 48 credit hours for their Creative Communications Diploma and granted a BA in Communications once they have received their diploma and completed the prescribed 72 credit hours of study at the University of Winnipeg. **Details of this Program may be found in the Rhetoric, Writing, and Communications section of the calendar.**

APPLIED STUDIES IN A FOUR-YEAR BACHELOR OF SCIENCE DEGREE

The Unile 8b04(h)-12.258(e)-1251-140.7172.500831(8b5-140.71493(U)0.6213h)-94hlegrPLIt A

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

ABORIGINAL GOVERNANCE (AG)

AG-4020

Indigenous Governance &
Self Determination

(Le3) In international law, all peoples have the right to be self governing. Colonial nations have denied indigenous peoples this right by refusing to recognize them as distinct "peoples". Indigenous nations are working to assert their rights, especially the right to self-government and/or self determination. This course will focus on the concept and practice of Indigenous governance. Beginning with the systematic colonial undermining of indigenous rights we will examine the political, legal and economic struggle of indigenous nations to re-establish and reassert historic rights in the face of national governments that have

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

AG-7020
Indigenous Governance

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

ACS -7102
Web and Document
Databases

(Le3) The focus of this course is the in-depth study of research issues associated with specialized databases-web and document databases. Emphasis is placed on examining basic theoretic issues such as system architectures, data storage and data retrieval. Other topics include specific methodology related to DNA databases.

ACS-7103
Semantic Web

(Le3) This course examines current issues related to the next generation of the World Wide Web: the Semantic Web that is intended to covert the Web into a more usable and useful globally linked database. Topics comprise document markup languages, access

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

ACS-7500
Graduate Thesis

(P) This course is designed for thesis under the supervision of a faculty member. Students are expected to prepare a thesis proposal in consultation with their thesis supervisor. Upon approval of the planned thesis topic, students must prepare a thesis document and defend their thesis in an open oral defense in the presence of a thesis committee.

ANTHROPOLOGY (ANTH)

ANTH-2221
Archaeology of the Holy
Lands

(Le3) This course traces the development of archaeology of the Holy Land (i.e. the Syrio-Palestinian region), focusing on sites and remains from Neolithic period (ca. 8500 B.C.) to the Byzantine period (ca. 330 A.D.) Emphasis is placed on techniques of recovering ancient remains on the interpretation of artifacts, including those associated with biblical and other textual sources from ancient Near Eastern cultures.

BUSINESS & ADMINISTRATION (BUS)

BUS-3120
Canadian Taxation

(Le3) This course deals with the applications of federal and provincial income tax regulations and their impact on corporations, businesses, and individuals. Problems, issues, and planning associated with the Income Tax Act are examined. The computation of taxable income and

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

CHEMISTRY

(CHEM)

CHEM-0100

Foundations of Chemistry

(Le3) The purpose of this course is to prepare students for CHEM-1111(3) Introduction to the Chemical Properties of Matter and CHEM-1112(3) Basic Principles of Chemical Reactivity. Topics include the characterization of chemical substances, chemical reactions, chemical quantities, and chemical systems. Standing in this course will satisfy the prerequisite for CHEM19(a)11.d(f)-6.87324(o)-1.35771(r)1tshCHfoestifo C16zuo

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

4999
COOP Work Term III

This course offers a co-operative work placement or other experiential learning opportunity adaptable to a wide variety of contexts and

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

ECONOMICS

(ECON)

ECON-4307

Topics in Macroeconomics

(Le3) This course provides students with an opportunity to build on the macroeconomics background developed in Honours

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

**ENGLISH
(ENGL)**

ENGL-2004

History of Children's
Literature: From Antiquity to
the Victorian Period

(Le3) This course surveys children's literature for Sumerian clay1(e)-1.357729(u)-1418 0

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

ENGL-2604

Poetry and Poetic Form

(Le3) This course introduces students to various features, forms, and figures of poetic discourse. With emphasis on the technical and figural elements of poetry (rhythm and rhyme, diction and tone, metaphor and allegory), the course considers the historical and socio-political conditions that “structure” our interpretations of poetry; the relationship between poetic form and politics (for example the extent to which elements such as gender or race might complicate the sonnet); and the extent to which form might be re-structured or used against itself to produce new and unexpected significance. Students are encouraged to

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

ENGL-3210
Romantic Literature and
Culture

(Le3) This course introduces students to English literature and culture of the Romantic period (1789-1832) and looks closely at the interplay between the socio-political concerns of the period and its literature. The course texts articulate the wide spectrum of responses to the social and political events that took England by storm during the period, including the French Revolution, women's rights, and the slave trade. These contentious topics set the tone of our analysis as we examine the ways that nationality, race and gender shape the literary and philosophical writings of the day.

Prerequisites: 6 credit hours of First-Year English.

Restrictions: May not be taken by students with credit in ENGL-2211.

ENGL-3951
Topics Feminist Literary
Theory

(Le3) This course focuses on a topic in feminist literary theory which varies from year to year. Possible topics include: women and language; women and nature; feminism and Marxism; female communities; women and diaspora; and feminism and popular culture. Students should consult the English Department Handbook for information about specific iterations of the course.

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

GERMAN STUDIES
(GERM)
GERM-2109

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

**KINESIOLOGY AND
APPLIED HEALTH
(KIN)**

KIN-2400
Teaching Games for
Understanding

(Le3) The Teaching Games for Understanding (TGfU) model is a pedagogical approach that develops the strategies and skills necessary to be successful in games. TGfU is an approach to teaching games that focuses on the learner. It provides a context for understanding when and how motor, technical and tactical skills should be used. Participants will learn the pedagogical basis for teaching games for understanding and have an opportunity to put this theory into practice. A sampling of physical activities and sports are used to develop,

University of Winnipeg 2009-2010 Fall & Winter Expe

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

REL-2720
Asian Religions

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

THEATRE & FILM

(THFM)

THFM-2311
Film Comedy

(Le3, LaV) This course looks at film comedy, from the earliest silent film comedies of Edison and Mèliés to the contemporary comedies of Kevin Smith and Woody Allen, from the perspective of the cinematic techniques used to achieve a comic action or comic perspective. Though the course studies comedy genres and takes an historical perspective on the development of film comedy, the emphasis is on an exploration of the cinematic tools of the comedy filmmaker; this involves some practical filmmaking work.

Prerequisite: THFM-1010.

THFM-2406
The History of Fashion and
Dress

University of Winnipeg 2009-2010 Fall & Winter Experimental Courses

CRS-3220(3) Models for Conflict Transformation
CRS-3293(3) Directed Readings

HIST

HIST-1010(6) Aboriginal & Newcomers
HIST-2506(3) History of the Canadian North
HIST-2509(6) History of the Native Peoples of Canada
HIST-2511(3) Aboriginal Peoples in Canada since 1815
HIST-2609(6) History of Native American Peoples of the United States, colonial period to the present
HIST-3525(3) History of the Métis in Canada
HIST-3527(6) History of the Algonquian Nations

Indigenous People & the Industrial State

IDS-2160(3)/ Indigenous People & the Industrial State
ANTH-2160
IDS-3110(3) Poverty-Focused Development

REL-AsE

PHIL

PHIL-2240(3) Aboriginal Justice Issues
PHIL-3500(3) Aboriginal Rights & Liberalism

POL

POL-1011(6) Introduction to Politics
POL/AG-2020(3) Colonization and Aboriginal Peoples
POL-2100(6) Global Politics
POL-2210(6) The Idea of Democracy

POL-2400(6) Canadian Politics
POL-2500(3) City Politics
POL-2505(3) Issues in City Politics
POL-3300(3) Public Policy Process
POL-3320(3) Women and the Law
POL-3411(3) Aboriginal People & the Law I
POL-3415(3) Aboriginal People & the Law II
POL-3450(3) Sustainability and Environment Politics
POL-3600(6) Directed Readings
POL-3605(3) Directed Readings

REL-AsE

REL-2801(3) Introduction to Aboriginal Spirituality
REL-2802(3) Aboriginal & Christian Encounter
REL-2803(3) Understanding Aboriginal Sacred Narrative
REL-2804(3)/ Global Perspectives on Aboriginal

REL-2804(3)/ Global Perspectives on Aboriginal

Degree: Minimum 60 credit hours
 Major: Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours at the 4000 level.

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
 Science: 6 credit hours
 Writing: Minimum 3 credit hours of Academic Writing
 Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
 Distribution: Minimum 3 credit hours from each of 5 different subjects.

HONOURS REQUIREMENT

Single Honours: Minimum 63 credit hours/ Maximum 78 credit hours
 Minimum 30 credit hours in 4000-level Honours courses.
 Double Major: Minimum 36 credit hours in each Honours subject.
 Minimum 24 credit hours in 4000-level Honours courses
 Required Course: **POL-4440(6)** Seminar in Aboriginal Politics

History Courses: (24 credit hours)

Aboriginal Governance

AG-4200/7200(3)/(6) Seminar in Selected Topics

Anthropology

ANTH-4105(6) Natives and Newcomers in Encounter: Selected Topics

Conflict Resolution

CRS-4920(3) Program Planning, Monitoring and Evaluation
CRS-4910(3) Conflict and the Construction of the Other

History

HIST-4570(6) Native and Newcomers in Encounter: Selected Topic
HIST-4530(6) Advanced Studies in Canadian History

Health and Development Studies

IDS-4920(3) Program Planning, Monitoring and Evaluation
IDS-4910(3) Conflict and the Construction of the Other

Politics

POL-4301(6) Administrative Theory
POL-4400(6) Seminar in Canadian Politics
POL-4440(6) Seminar in Aboriginal Politics
POL-4505(6) Politics of Urban Planning
POL-4515(6) Inner City Seminar

Religious Studies

REL-4800(3) Topics in Aboriginal Religious Traditions
REL-4802(3) Aboriginal Healers
REL-4803(3) Aboriginal Women's Teachings
REL-4804(3) Aboriginal Spirituality Research Methods

Sociology

SOC-4413(6) Seminar in Race and Ethnic Relations

* Please note that students may be required to register for prerequisite courses.

JOINT ABORIGINAL GOVERNANCE DEGREE/DIPLOMA (RRC/UW)

This is a combined degree/diploma program in cooperation with Red River College. Diploma graduates are granted a block transfer of 30 credit hours towards a 3-year, 4-year or Honours degree in Aboriginal Governance and must complete an additional 60 (3-Year) to 90 (4-Year & Honours) credit hours. Students can expect to complete the combined degree/diploma program in approximately 4 to 5 years.

This joint program with Red River College provides students with the knowledge and skills needed to pursue a career in an Aboriginal self-government environment.

The Aboriginal Governance program offers students the opportunity to obtain both a Bachelor's degree in Aboriginal Governance and a Diploma in Aboriginal Governance. For more information, contact the program coordinator at rsrjg@rrc.ab.ca or call 204-224-2500.

REQUIREMENTS FOR A 4-YEAR BA IN ANTHROPOLOGY

ANTH-4102(6) Problems in Cultural Anthropology
ANTH-4103(3) Semiotics and Structuralism
ANTH-4105(6) Aborigines and Newcomers in Encounter:
Selected Topics

Note: The attention of students is directed to the following courses that are directly complementary to the program in Cultural Anthropology:

HIST-2509(6) History of the Native Peoples of Canada
HIST-2700(6) History of Africa
HIST-2901(6) History of Technology

Other courses relating to the nature of culture and cultural behaviour can be found in the Departments of Religious Studies and Sociology.

AREA III

ARCHAEOLOGY

Note: Either **ANTH-1003(3)** or **ANTH-1001(6)** fulfills the prerequisite for most Archaeology and Physical Anthropology courses. **ANTH-1002(3)** alone, however, does not.

ANTH-2200(3) Method and Theory in Archaeology
ANTH-2202(3) Archaeology of North America
ANTH-2210(3) Rise of New World Civilization
ANTH-2211(3) Rise of Old World Urbanism
ANTH-2214(3) Archaeological Field School
ANTH-2220(6) Archaeological Field School
ANTH-3203(6) Archaeological Field School
ANTH-3204/
4204(3) Issues in Prehistoric Archaeology
ANTH-3205/
4205(3) Issues in the Rise of Civilization
ANTH-3206/
4206(3) The Origins of Human Culture
ANTH-3207(3) Zooarchaeology
ANTH-3209/
4209(3) Archaeology of Gender
ANTH-3210(3) Archaeological Laboratory Methods

ANTH-3213(3)/ Advanced Archaeological Theory
4213(3)

ANTH-3220(3) Archaeoastronomy
ANTH-4200(3) Archaeological Problems
ANTH-4212(3) Advanced Zooarchaeology

Note: The attention of students is directed to the following disciplines that are directly complementary to the programs in Archaeology: Classics, Physical Geography and History.

AREA IV

BIOLOGICAL ANTHROPOLOGY

Note: Either **ANTH-1003(3)** or **ANTH-1001(6)** fulfills the prereq

ethnographies, myths and oral histories in order to gain an understanding of the culture of Ojibwe and Cree peoples

the significance and incorporation of astronomical knowledge and symbolism in the indigenous art, architecture, and ideologies of Mesoamerica, Andean South America, and North America.

RESTRICTIONS: Students may not receive credit for ANTH-3220(3) and the former ANTH-4207(3).

ANTH-3302(3) / ANTH-4302(3) PRIMATE ADAPTATION, BIOLOGY, AND EVOLUTION (Le3,LaV) This course examines the anatomy and evolution of the non-human primates. The primary emphasis is on the fossil record. Topics include the reconstruction of behaviour from fossil remains, the evolution of modern primate groups, and the origin of the Order Primates. Frequent lab sessions enhance and expand upon the information offered in lectures. Additional in-depth work is required to receive credit at the 4000 level..

PREREQUISITES: ANTH-2300(3).

ADDITIONAL REQUIREMENTS: Permission of instructor required in absence of pre-requisite. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.

ANTH-3306(3) HUMAN OSTEOLOGY (Le3, LaV) This course covers basic human osteological development and identification. Topics include indicators of age and sex and comparison of primate and non-primate features. Emphasis is on the laboratory identification of complete and incomplete human skeletal material.

PREREQUISITES: Credit in at least one course in Physical/Biological Anthropology, or permission of the instructor.

RESTRICTIONS: Students may not receive credit for ANTH-3306(3) or the former ANTH-4306(3).

ANTH-3308(3) / ANTH-4308(3) HUMAN EVOLUTION (Le3,LaV) This course examines the evolution of our species, from the earliest hominins to the appearance of anatomically modern humans. Emphasis is on the material evidence for human evolution, and in particular the fossil record. Topics include the environmental context of human evolution, the anatomical features of bipedalism, and the debates surrounding the origins of Anatomically Modern *Homo sapiens*: Occasional laboratory sessions enhance and expand upon the material presented in lectures. Additional in-depth work is required to receive credit at the 4000 level.

PREREQUISITES: ANTH-2300(3) or permission of instructor required in absence of pre-requisite. All students registering at the 4000 level must have departmental permission. Students registering at the 4000 level with a GPA of less than 3.0 in Anthropology require the instructor's signature.

ANTH-3309(3) / ANTH-4309(3) PRIMATE BEHAVIOUR (Le3) The purpose of this course is to acquaint students with the systems of non-human primate behaviour as they occur in a variety of ecological contexts. Some of the topics examined are taxonomy, behaviour and social organization in free-ranging and captive primates and theoretical views related to primate behaviour. Additional in-depth work is required to receive credit at the 4000 level. **PREREQUISITES:** ANTH-2300(3), the former ANTH-2303(3), or permission of instructor. All students registering at the 4000 level must have departmental permission. Students registering

APPLIED COMPUTER SCIENCE (ACS)

Note: The department/program code ACS replaces the former codes 92 and 91. Students cannot hold credit in ACS-xxxx and the former 92.xxxx or 91.xxxx having the same course number (e.g., ACS-1803(3) and 92.1803(3) or 91.1803(3)).

Chair: Professor F. Chan; Professors: S. Liao., S. Ramanna; Associate Professor: Y. Chen; Assistant Professors: P. Atrey, R. McFadyen; Instructors: J. Deng, E. Kaluzniacky.

<http://www.acs.uwinnipeg.ca>

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

3-Year BSc

4-Year BSc

Master of Science (M.Sc.)

INTRODUCTION

The Applied Computer Science program (formerly Business Computing) focuses on the theory and application of computing in business and scientific environments. The rapidly growing field of applied computing offers an exciting range of careers from web application development to project management. The Applied Computer Science curriculum includes a wide range of courses that prepare you for a career as a systems analyst, designer, application programmer, database specialist, software engineer, or project manager. Our courses are designed to develop skills in object-oriented programming, systems analysis and design, database design, graphical user-interface design, development tools, and project management. We also offer state-of-the art courses in data

Required courses:

MATH-1401(3) Discrete Mathematics
STAT-xxxx(3) 3 credit hours from Statistics

Either

ACS-1903(3) Programming Fundamentals I **and**
ACS-1904(3) Programming Fundamentals II
OR
ACS-1905(3) Programming Fundamentals **and**
one of the courses from the electives listed below.
ACS-2906(3) Computer Architecture and System Software
ACS-2909(3) Introduction to Internet Programming

ACS-2913(3) Software Requirements Analysis and Design
ACS-2914(3) Relational Database Application Development
ACS-2941(3) Unix
OR
ACS-3911(3) Computer Networks
OR
ACS-3931(3) Principles of Operating Systems
ACS-2947(3) Data Structures and Algorithms
ACS-3902(3) Database Systems
ACS-3913(3) Software Design and Architecture

Electives: Students wishing to take further courses towards the General degree with the Applied Computer Science Major should take up to 12 credit hours from the following:

ACS-1803(3) Introduction to Information Systems
ACS-2102(3) Scientific Computing I
ACS-2916(3) Business Application Systems
ACS-2951(3) System Administration and Networking
ACS-3901(3) Principles of Software Project Management
ACS-3907(3) eCommerce
ACS-3908(3) Introduction to Perl
ACS-3909(3) Advanced Internet Programming

ACS-3916(3) Graphical User Interfaces
ACS-3923(3) Tec89()4.7404ipah489048386(4)5578700(4)570982(4)3778806(1)
ASS-888(3) Aommjs
ACS-
Ap09.477120u09.477120tonn-

MAJOR REQUIREMENT

Single Major:

Minimum 36 credit hours/Maximum 48 cr

Group II Electives: Students wishing to take further courses towards the 4-Year Degree should take up to 21 credit hours from the following:

| | |
|---|---|
| MATH-1201(3) Linear Algebra 1 | ACS-3941(3) Implementation Issues in Object-Oriented Languages |
| ACS-1803(3) Introduction to Information Systems | ACS-3947(3) Algorithm Design |
| ACS-1805(3) Introduction to Programming | ACS-4930(6) Research Project in Applied Computer Science |
| ACS-2916(3) Business Application Systems | ACS-4931(3) Research Project in Applied Computer Science |
| ACS-2941(3) Unix | ACS-4946(3) Web Application Design and Development |
| ACS-2951(3) System Administration and Networking | |
| ACS-3907(3) eCommerce | |
| ACS-3908(3) Introduction to Perl | |
| ACS-3923(3) Technical Writing | |
| ACS-3930(3) Topics in Applied Computer Science | |

Group III Other courses: A total of 18 credit hours must be chosen from at most three of the following departments: Business and Administration, Biology, Chemistry, Geography, Physics, Mathematics and Statistics. Of these, 6 credits must be at least at the 2000 level or above. You are strongly advised to consult the Chair or the 4-Year Advisor prior to taking any Group III courses.

Additional Courses:

- Students wishing to take further courses towards the 4-Year degree may select additional Applied Computer Science courses not already taken from Group II listed above.
- Students are encouraged to take more than 57 credit hours in Applied Computer Science.
- Students wishing to take ACS-2916(3) Business Application Systems must complete ACS-1803(3).
- Students wishing to take ACS-4954(3) Introduction to Distributed Systems are encouraged to take ACS-2941(3) or ACS-2951(3).
- Students wishing to pursue the 4-Year degree must consult with the Chair of Applied Computer Science and complete a 4-Year declaration form before registering for their eleventh course (63rd credit hour).

Combined Major: Minimum 60 credit hours from two different majors with not less than 24 credit hours from each major subject.

Prescribed courses:

| |
|--|
| ACS-1803(3) Introduction to Information Systems |
| ACS-1903(3) Programming Fundamentals I |
| ACS-1904(3) Programming Fundamentals II |
| ACS-2906(3) Computer Architecture and System Software |
| ACS-2913(3) Software Requirements Analysis and Design |

REQUIREMENTS FOR THE BSc (HONOURS) IN APPLIED COMPUTER SCIENCE

| | |
|------------------------------------|--|
| ADMISSION REQUIREMENT | Students must consult with and have the approval of the Department Chair or Chair-designate in planning their studies. Students must have completed 30 credit hours. |
| GRADUATION REQUIREMENT | 120 credit hours. |
| GRADUATION GPA REQUIREMENT: | To graduate with a BSc (Honours), students must have a minimum GPA of 3.0 in all major (Applied Computer Science) courses which will be calculated on all course attempts in the major, and a minimum GPA of 2.75 in all non-major courses which will be calculated as for the general degree. |
| RESIDENCE REQUIREMENT | |
| Degree: | Minimum 60 credit hours |
| Honours: | Minimum 30 credit hours, including 18 credit hours at the upper level (3000/4000) of which a minimum of 9 credit hours are at the 4000 level. |
| GENERAL DEGREE REQUIREMENT | |
| Humanities: | 12 credit hours |
| Writing: | Minimum 3 credit hours of Academic Writing. |
| Maximum Introductory Courses: | Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level. |
| Distribution: | Minimum three(3) credit hours from each of five (5) different subjects. |
| HONOURS REQUIREMENT | |
| Single Honours: | Minimum 60 credit hours in the Major. Minimum 30 credit hours in the courses listed in Groups I at the upper level (3000/4000) of which a minimum of 15 credit hours must be at the 4000 level. |

Required courses:
Group I:

COURSE LISTINGS

Students are advised to consult the appropriate Timetable available from the Records Office for courses to be offered during the current term.

| | | | |
|--------------------|---|--------------------|---|
| ACS-1453(3) | Introduction to Computers | ACS-3908(3) | Introduction to Perl |
| ACS-1803(3) | Introduction to Information Systems | ACS-3909(3) | Advanced Internet Programming |
| ACS-1805(3) | Introduction to Programming | ACS-3911(3) | Computer Networks |
| ACS-1903(3) | Programming Fundamentals I | ACS-3913(3) | Software Design and Architecture |
| ACS-1904(3) | Programming Fundamentals II | ACS-3916(3) | Graphical User Interfaces |
| ACS-1905(3) | Programming Fundamentals II | ACS-3923(3) | Technical Writing |
| ACS-2102(3) | Scientific Computing I | ACS-3930(3) | Topics in Applied Computer Science |
| ACS-2814(3) | Applications of Database Systems | ACS-3931(3) | Principles of Operating Systems |
| ACS-2906(3) | Computer Architecture and System Software | ACS-3941(3) | Implementation Issues in Object Oriented Languages |
| ACS-2909(3) | Introduction to Internet Programming | ACS-3947(3) | Algorithm Design |
| ACS-2913(3) | Software Requirements Analysis and Design | ACS-4901(6) | Senior Systems Development Project |
| ACS-2914(3) | Relational Database Application Development | ACS-4902(3) | Advance Database Systems |
| ACS-2916(3) | Business Application Systems | ACS-4904(3) | Data Warehousing |
| ACS-2941(3) | Unix | ACS-4930(6) | Research Project in Applied Computer Science |
| ACS-2947(3) | Data Structures and Algorithms | | (3Scee(bou475(26 0G0406()4.74042(S)-0.971062(y)29.38 |
| ACS-2951(3) | System Administration and Networking | | 536(j)-5.71002]TJ70406(84.749428)531880(2-5.70475(e) 5.7406 |
| ACS-3801(3) | Principles in Information Systems | | 6(n)-5.796(n)-5.79E(n)-5.79n 333]TJ 7.571906()85.70406()85.7 |
| ACS-3811(3) | Telecommunications | | p971062(c)- n5.70406(a) |
| ACS-3816(3) | User Interfaces for Information Systems | | |
| ACS-3830(3) | Topics in Information Systems | | |
| ACS-3901(3) | Principles of Software Project Management | | |
| ACS-3902(3) | Database Systems | | |
| ACS-3907(3) | eCommerce | | |

installation and maintenance, system, and network s

and ACS-2947(3).

RESTRICTIONS: Students cannot hold credit in ACS-3911(3) and ACS-3811(3).

ACS-3913(3) SOFTWARE DESIGN AND ARCHITECTURE

(Le3) This is an advanced course in software design that examines recent advances in the design of larger application systems. Topics include software architecture, object-oriented analysis and design, software patterns, and the Unified Modeling Language (UML).

PREREQUISITES: A grade of at least C in ACS-2913(3) (or the previous ACS-2911(3) and ACS-2912(3)) and ACS-2947(3).

ACS-3916(3) GRAPHICAL USER INTERFACES (Le3)

This course investigates the principles of graphical user interface design. Topics covered in this course include GUI design.

**ACS-4931(3) RESEARCH PROJECT IN APPLIED
COMPUTER SCIENCE (NT)**

This course is designed to allow a student to conduct a specific research project under the supervision of a faculty member. An essential component of the course is an oral presentation and a written report of the results. Approval for the planned project must be obtained from the supervising faculty member as well as from the Department Chair before enrolment.

PREREQUISITES: Students should normally have completed 30 credits in ACS.

RESTRICTIONS: Students must obtain written permission from the Department Chair to register for the course.

**ACS-4946(3) WEB APPLICATION DESIGN AND
DEVELOPMENT (Le3,La1)**

This course will discuss the analysis, design, construction and implementation of web-based and client-server systems. Other topics include Client-Server and Web testing, Client-Server and Web Technology Architecture and Support Services and Web Database Application design and programming issues.

PREREQUISITES: A grade of at least C in both ACS-2947(3) and ACS-3913(3).

**ACS-4953(3) INTRODUCTION TO MACHINE LEARNING
(Le3)**

APPLIED MANAGEMENT STUDIES

(For Recipients of the Great-West Life Scholarship)

DEGREES/PROGRAMS OFFERED

3-Year BA

INTRODUCTION

This thematic major was developed in partnership with the Great-West Life Company. Great-West Life provides a scholarship for reimbursement of full tuition incurred towards the completion of the program; provides summer employment between the first and the second year and the second and the third year; and offers employment to each successful graduate as a full time employee with Great-West Life upon completion of the program. Great-West Life works collaboratively with each student in the program, and the university. Students can choose a Business Analyst stream or a Disability Management stream, or a General stream combining courses from the two areas.

REQUIREMENTS FOR A 3-YEAR BA IN APPLIED MANAGEMENT STUDIES

| | |
|-----------------------------------|---|
| ADMISSION REQUIREMENTS | Students must qualify for admission to the University. Students must be selected by the industry partner agency. Specific entrance requirements and selection processes are published separately by the partner agency. |
| GRADUATION REQUIREMENT | 90 credit hours |
| RESIDENCE REQUIREMENT | |
| Degree: | Minimum 30 credit hours |
| Major: | Minimum 18 credit hours |
| GENERAL DEGREE REQUIREMENT | |
| Humanities: | 12 credit hours in Humanities |
| Writing: | Minimum 3 credit hours of Academic Writing. |
| Maximum Introductory Courses: | Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level. |
| Distribution: | Minimum three (3) credit hours from each of five (5) different subjects. |

Business Analyst Stream

ACS-2913(3) Software Analysis and Design

ACS-2914(3) Relational Database Application
Development

ACS-3916(3) Graphical User Interfaces

ECON-3316(3) Cost Benefit Analysis

POL-2310(3) Public Administration: Macro

3 credit hours Advanced Business Analysis (S)(C) (8.44093(8118(u)-2.1216.842989(AD)-6.12989)2.6962(s)2s.36 TL T*a.36 TL T*b4.00871(-)-6.1289(s))

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing
Distribution: Minimum three (3) credit hours from each of the (5) different subjects.

MAJOR REQUIREMENT

Single f -283.746 -18.72 Td [(M)-19.3873(A)49.0629(J)2.69620871(o)2.69438(m)-19.3864()-6.1291103(e.93822(M)-,1(o)2.69438(m)-19.3864(73(A)49.0

BIOL-2111(6) Comparative Chordate Zoology
BIOL-2301(3) Genetics
xx.xxxx(6) Humanities
6 credit hours of elective

Year 3

BIOL-3303(3) Molecular Genetics and Genomics
9 credit hours in Natural Science outside of Biology
18 credit hours in electives

NOTE: Students considering a 4-Year Degree should take CHEM-2202(3) Organic Chemistry I and CHEM-2203(3) Organic Chemistry II in Year 2 or Year 3.

Bioanthropology: Suggested Course Selection for 4-Year Degree

Year 1

ANTH-1001(6) Introductory Anthropology
BIOL-1115(3) Cells and Cellular Processes
BIOL-1116(3) Evolution, Ecology and Biodiversity
CHEM-1111(3) Introduction to the Chemical Properties of Matter
CHEM-1112(3) Basic Principles of Chemical Reactivity
xx.xxxx(6) Humanities
RHET-1105(3) Academic Writing: Natural Sciences
STAT-1501(3) Elementary Biological Statistics I

Year 2

ANTH-2100(3) Method and Theory in Cultural Anthropology
ANTH-2200(3) Method and Theory in Archaeology
ANTH-2300(3) Method and Theory in Biological Anthropology
BIOL-2301(3) Genetics
BIOL-2111(6) Comparative Chordate Zoology
CHEM-2202(3) Organic Chemistry I
CHEM-2203(3) Organic Chemistry II
xx.xxxx(6) Humanities
AIOL-2.t6962(0)01(3)
BA HEM-2.t6962(0)51(3A)

BIOCHEMISTRY (BCHM)

Updated Oct 19/09

Number: T e de a / \ o \ a \ o de BCHM e 7ace e f \ a \ o de 85. 5 des ca no o 7d e ed \
BCHM- a d e f \ e 85. a \ \ \ e a e o s e \ b e .

Co-ordinator: M. Eze; Program Advisors: E. Byard, D. Craig, P. Holloway, D. Vanderwel, M. Wiegand.

DEGREES/PROGRAMS OFFERED

3 -Year BSc
4 -Year BSc
Honours BSc

INTRODUCTION

This degree combines the ()Tj 2.22425 0 Td (c)Tj 4.02769 0 T7.98 Tf 18.0344 0 Td (T)Tj 4.8693 0 Td ()Tj 2.22425 0 Td (c)Tj 410021 0 Td (z)Tj 4.02

Note: Students should design their course selection in consultation with one of the Program Advisors.

SUGGESTED PROGRAM OF STUDY

Year 1

BIOL-1115(3) Cells and Cellular Processes
BIOL-1116(3) Evolution, Ecology and Biodiversity
CHEM-1111(3) Introduction to the Chemical Properties of Matter
CHEM-1112(3) Basic Principles of Chemical Reactivity
RHET-1105(3) Academic Writing: The Natural Sciences (if required)
STAT-1501(3) Elementary Biological Statistics I
xxxx.xxxx(6) Humanities
Electives* 6 credit hours

Year 2

BIOL-2301(3) Genetics
BIOL-2902(3) Biology of the Prokaryotes and Viruses
CHEM-2202(3) Organic Chemistry I
CHEM-2203(3) Organic Chemistry II

One of:

CHEM-2102(3) Thermodynamics and Kinetics or **CHEM-2103(3)** Atoms, Molecules and Spectroscopy
CHEM-2302(3) Qu44849 0 20 (s) 4.44849 0 Td ()Tj 2.

BIOL-3303(3) Molecular Genetics and Genomics (or the former BIOL-4302(3))

BIOL-4502(3) Molecular Cell Biology

Minimum 3 credit hours selected from the following physiology courses:

BIOL-3161(3) Vegetative Anatomy and Physiology of Seed Plant

BIOL-3162(3) Reproductive Anatomy and Physiology of Seed Plants

BIOL-3602(3) Comparative Animal Physiology I (or the former BIOL-3601(6))

BIOL-3603(3) Comparative Animal Physiology II (or the former BIOL-3601(6))

BIOL-4902(3) Microbial Physiology

CHEM-1111(3) Introduction to the Chemical Properties of Matter (or the former CHEM-1101(6))

CHEM-1112(3) Basic Principles of Chemical Reactivity (or the former CHEM-1101(6))

CHEM-2202(3) Organic Chemistry I (or the former CHEM-2201(6))

CHEM-2203(3) Organic Chemistry II (or the former CHEM-2201(6))

CHEM-3502(3) Intermediate Biochemistry I: Structure, Function, and Energetics of Biomolecules (or the former CHEM-3501(6))

CHEM-3503(3) Intermediate Biochemistry II: Intermediary Metabolism (or the former CHEM-3501(6))

CHEM-4502(3) Molecular Enzymology

CHEM-4506(3) Methods in Biochemistry (or the former CHEM-4505(3))

MATH-1101(6) Introduction to Calculus

PHYS-1101(6) Foundations of Physics I OR **PHYS-1301(6)** Introduction to Physics

Minimum 6 credit hours in additional core chemistry, selected from the following:

CHEM-2102(3) Thermodynamics and Kinetics or **CHEM-2103(3)** Atoms, Molecules and Spectroscopy

CHEM-2302(3) Quantitative Chemical

Yea 1

BIOL-1115(3) Cells and Cellular Processes

BIOL-1116(3) Evolution, Ecology and Biodiversity

CHEM-1111(3) Introduction to the Chemical Properties of Matter

CHEM-1112(3) Basic Principles of Chemical Reactivity

MATH-1101(6) Introduction to Calculus

RHET-1105(3) Aj 4.44849 0 Td (a)Tj 4.50861 0 Td (c)T8436 0 Td ()Tj 8.77676.64505 0 Td (o)Tj

I Prdi

BIOLOGY (BIOL)

Note:

REQUIREMENTS FOR AN HONOURS BSc IN BIOLOGY

| | |
|-----------------------------------|---|
| ADMISSION REQUIREMENT | Students must consult with the Department Advisor in planning their studies. |
| GRADUATION REQUIREMENT | 120 credit hours |
| Graduation G.P.A. Requirement | To graduate with a BSc Honours, students must have a minimum GPA of 3.0 on all major (Biology) courses which will be calculated on all course attempts in the major. A minimum 2.75 GPA on all non-major courses which will be calculated as for the General Degree (i.e., F's are not included and, in the case of repeated courses, only the highest grade will be used). |
| RESIDENCE REQUIREMENT | Minimum 60 credit hours |
| Degree: | Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours at 4000 level |
| Honours: | |
| GENERAL DEGREE REQUIREMENT | |
| Humanities: | 12 credit hours in Humanities |
| Writing: | Minimum 3 credit hours of Academic Writing. |
| Maximum Introductory Courses: | Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level. |
| Distribution: | Minimum three (3) credit hours from each of five (5) different subjects. |
| HONOURS REQUIREMENT | |
| Single Honours: | Minimum 54 credit hours in the Major subject. Minimum 30 credit hours in upper-level (3000 and 4000) courses of which a minimum of 15 credit hours must be at the 4000 level. |

Required Courses:

- BIOL-1115(3)** Cells and Cellular Processes
- BIOL-1116(3)** Evolution, Ecology and Biodiversity
- BIOL-2301(3)** Genetics or the former **BIOL-3301(3)**
- BIOL-2403(3)** Principles of Ecology or the former **BIOL-3403(3)**
- BIOL-3221(3)** Cell Biology
- BIOL-4111(6)*** Biology Honours Thesis ***Note:** This course has admission restrictions, see course description.
- CHEM-1111(3)** Introduction to Chemical Properties of Matter
- CHEM-1112(3)** Basic Principles of Chemical Reactivity

REQUIREMENTS FOR THE UNIVERSITY OF WINNIPEG / RED RIVER COLLEGE 4-YEAR BSc (JOINT PROGRAM IN APPLIED BIOLOGY)

INTRODUCTION

This is a joint degree program whereby students take courses at both institutions in a prescribed sequence. The program has been specifically designed to address the human resource needs of the health and environmental-based industries of Manitoba. Biotechnology is the area of emphasis in the Applied Biology program and the degree requirements are outlined below.

Students are required to complete courses at both institutions. Students will begin their program of study by completing 60 credit hours of course work at The University of Winnipeg. The next 30 credit hours are completed at Red River College and then students return to The University of Winnipeg to complete the final 30 credit hours. Students successfully completing the entire program will receive a joint degree parchment from The University of Winnipeg and Red River College. **N.B. Transfer of courses between institutions applies only to students who are officially in the joint program.**

ADMISSION REQUIREMENT Students must meet the entrance requirements for admission to The University of Winnipeg. Application to the program in Applied Biology must be completed through the Admissions Office of The University of Winnipeg by March 1st in order to enter the program in September.

GRADUATION REQUIREMENT 120 credit hours, that is, 90 credit hours meeting the requirements for the BSc General plus 30 additional credit hours.

RESIDENCE REQUIREMENT
Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT
Humanities: 12 credit hours in Humanities
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

| 4-Year Program | |
|--|--------------|
| Year 1 - UW | Year 3 - RRC |
| BIOL-1115(3) Cells and Cellular Processes BIOL-1116(3) Evolution, Ecology and Biodiversity CHEM-1111(3) Intro to the Chemical Properties of Matter CHEM-1112(3) Basic Principles of Chemical Reactivity ACS-1453(3) Intro to Computers OR ACS-1903(3) Programming Fundamentals 1 | |
| | |
| | |

present composition of the Manitoba flora, identification, description, collection, nomenclature, classification, and evolutionary relationships of plants. Laboratory work consists of examination of the more important plant families and habitats in the province.

PREREQUISITES: BIOL-2153(3) or the former BIOL-2151(6). Students are required to submit a mounted and identified collection of plants as part of the laboratory exercises. This collection should be initiated in the summer preceding registration in the course. Students should contact the Instructor for further details.

BIOL-3161(3) VEGETATIVE ANATOMY AND PHYSIOLOGY OF SEED PLANTS (Le3,La3) The course involves an integrated study of the structure and function of the vegetative parts of seed plants. It will include study of the structure and organization of cells and tissues as well as the development and function of these structures.

PREREQUISITES: BIOL-2153(3) or the former BIOL-2151(6).

BIOL-3162(3) REPRODUCTIVE ANATOMY AND PHYSIOLOGY OF SEED PLANTS (Le3,La3) The course involves a study of the reproductive structure of seed plants, including their anatomy, development, control mechanisms in the flowering and fruiting process, and the physiology of the various flower parts and fruit parts.

PREREQUISITES: BIOL-3161(3).

BIOL-3202(3) HISTOLOGY (Le3,La3) This course examines the microscopic structure of vertebrate tissues and organs, with stress on mammalian histology. Consideration is also given to structure-function relationships.

PREREQUISITES:

and the former BIOL-3561(6).

BIOL-3602(3) COMPARATIVE ANIMAL PHYSIOLOGY I

(Le3,La3) This course introduces the concepts of physiological homeostasis, physiological control systems and excitable cells. Principal topics are nerve physiology, muscle physiology and cardiovascular physiology.

PREREQUISITES: BIOL-1115(3) and BIOL-1116(3), or the former BIOL-1111(6). It is strongly recommended that students successfully obtain standing in CHEM-1111(3) and CHEM-1112(3), or the former CHEM-1101(6), before attempting this course.

RESTRICTIONS: Students with standing in the former BIOL-3601(6) may not receive credit for this course.

BIOL-3603(3) COMPARATIVE ANIMAL PHYSIOLOGY II

(Le3,La3) This course continues the study of animal physiology. Principal topics are respiratory physiology, whole animal metabolism, osmoregulation, digestion and endocrine physiology.

PREREQUISITES: BIOL-3602(3) or permission of the instructor.

RESTRICTIONS: Students with standing in the former BIOL-3601(6) may not receive credit for this course.

BIOL-3702(3) PARASITES AND DISEASE (Le3,La3)

This course provides a synopsis of the major taxa of parasites that inhabit tissues and organs of metazoan animals and a detailed consideration of the biology of organisms that reside within other organisms as parasites. Some of the course deals with clinical manifestations and treatment of endo-parasitic infections as well as the use of knowledge about life cycles for the design of effective programs of control and intervention. The synopsis of major taxa is structured to emphasize diversity of endo-parasitic organisms and to demonstrate their importance as limiting biological factors for their hosts.

PREREQUISITES: BIOL-2115(3) or the former BIOL-2113(3), or permission of the instructor.

RESTRICTIONS: Students may not hold credit in this course and the former BIOL-3701(6).

BIOL-3703(3) ECTOPARASITOLOGY (Le3,La3)

This course provides a synopsis of the major taxa of parasites and blood-feeding arthropods that live on other metazoan animals and a detailed consideration of the ways in which these organisms act directly as parasites and as vectors of other parasitic organisms. Emphasis is placed on ecological associations between host organisms and parasites as a means of understanding the epidemiology of vector-borne, parasitic diseases. Most of the course deals with the biology of parasitic arthropods as well as the use of biological information about life cycles to consider effective means of control and intervention. The synopsis of major taxa is structured to emphasize diversity of ectoparasitic organisms as a means of demonstrating the significant evolutionary success of the blood-feeding habit.

PREREQUISITES: BIOL-2115(3) or the former B BI Bv
6.697856BI

variation in natural populations, and how genetic variation is affected by mutation, recombination, migration, mating patterns and changes in population size. Students are introduced to the theories of the maintenance of genetic variation by exploring natural selection *versus* genetic drift and how these forces affect the genetic variability of populations. Examples of the application of population genetics principles in the areas of conservation biology, evolution and human health are illustrated. The final part of the course is dedicated to the application of population genetics principles in the analysis of actual DNA and protein data.

PREREQUISITES: BIOL-2301(3) or the former BIOL-3301(3)

BIOL-4331(3) EVOLUTIONARY BIOLOGY (Le3)

Biologists use Darwin's framework to study the living world. This course will examine the development of evolutionary thought; evolutionary genetics; natural, sexual, and developmental selection; the levels of selection; speciation

BIOPSYCHOLOGY (BPSY)

Note: The department/program code BPSY replaces the former code 07. Students cannot hold credit in BPSY-xxxx and the former 07.xxxx having the same course number.

Coordinator: B. Bolster;

Minimum of 3 credit hours to be selected from:
PSYC-2101(3) Introduction to Data Analysis
STAT-1501(3)

BIOL-1115(3) Cells and Cellular Processes (or the former BIOL-1111(6))
BIOL-1116(3) Evolution, Ecology and Biodiversity (or the former BIOL-1111(6))
PSYC-2102(3) Introduction to Research Methods
PSYC-2900(3) Physiological Psychology I
CHEM-2202(3) Organic Chemistry I (or the former CHEM-2201(6))
CHEM-2203(3) Organic Chemistry II (or the former CHEM-2201(6))
BIOL-2301(3) Genetics (or the former BIOL-3301(3))
BIOL-3221(3) Cell Biology
CHEM-3502(3) Intermediate Biochemistry I: Structure, Function,

BUSINESS AND ADMINISTRATION (BUS)

Note: Business and Administration is the new name of the former Administrative Studies program. The department/program code BUS for Business and Administration replaces the former code 81. Students cannot hold credit in BUS-xxxx or AS-xxxx and the former 81.xxxx having the same course number (e.g., BUS-1201(3) or AS-1201(3) and 81.1201(3)).

Double Major:

Normally minimum 36 credit hours in Bu

REQUIREMENTS FOR A 4-YEAR BBA (BUSINESS ADMINISTRATION STREAM)

ADMISSION REQUIREMENT

Minimum 30 credit hours completed previously.

FUNDAMENTAL COURSES (15 credit hours)

Choice of:

| | |
|--------------|--|
| BUS-2002(3) | Fundamentals of Financial Accounting or |
| BUS-2010(3) | Fundamentals of Financial Management and Administration |
| | Prescribed: |
| BUS-2210(3)* | Fundamentals of Marketing |
| BUS-2440(3)* | Fundamentals of Human Resource Management |
| BUS-2103(3)* | Fundamentals of Organizational Behaviour |
| BUS-2501(3)* | Fundamentals of Production Operations Management |

BUS-4940(3)*

Emerging Markets and Business Practices

BUS-3110(3)*
BUS-3135(6)

Business and Administration - Other
Ethics in Management
The Hudson's Bay Company and the
Modern Department Store
Not-for-profit Management
Retail Management
Public Sector Financial Management
Commercial Law
Entrepreneurship & Small Business
Management
Directed Readings in Business and
Administration
Business Competition

BUS-3250(3)*
BUS-3260(3)*
BUS-3600(3)*
BUS-3660(3)*
BUS-3755(3)*

BUS-3990(3)*

BUS-4111(3)*

**ADDITIONAL BUSINESS AND ADMINISTRATION COURSES
(MINIMUM 24 CREDIT HOURS - INCLUDING A MINIMUM OF
3 CREDIT HOURS INTERGRATIVE)**Accounting

| | |
|--------------|---|
| BUS-2003(3)* | Managerial Accounting |
| BUS-2319(6)* | Corporate Finance |
| BUS-3003(3)* | Cost Accounting |
| BUS-3102(3)* | Intermediate Accounting - Assets |
| BUS-3103(3)* | Intermediate Accounting - Equities |
| BUS-3120(3)* | Canadian Taxation |
| BUS-3160(3)* | Fraud Examination |
| BUS-3319(3)* | Advanced Corporate Finance |
| BUS-3550(3)* | Auditing |
| BUS-4002(3)* | Advanced Financial Accounting |
| BUS-4005(3)* | Accounting Theory & Contemporary Issues |
| BUS-4050(3)* | Advanced Management Accounting |

Human Resources

| | |
|--------------|------------------------------------|
| BUS-3440(3)* | Contemporary Human Resource Issues |
|--------------|------------------------------------|

Marketing

| | |
|--------------|-------------------------|
| BUS-3230(3)* | Advertising |
| BUS-3240(3)* | Consumer Behaviour |
| BUS-3271(3)* | Marketing Research |
| BUS-4540(3)* | International Marketing |

| | |
|-----------------|--|
| Double Major: | Normally minimum 36 credit hours in Administrative Studies and specified number of credit hours in other Major; may vary depending on Interdisciplinary courses completed as they may be able to be credited to both Majors. |
| Combined Major: | Minimum 48 credit hours from two (2) different majors with not less than 18 credit hours from each major subject. The required courses are: BUS-1201(3) Introduction to Business I BUS-1202(3)* Introduction to Business II (or the former AS-1101(6)) |

COURSE LISTINGS - 3-YEAR BBA (ADMINISTRATIVE STUDIES STREAM)

Students are advised to consult the appropriate Timetable available from the Records Office for courses to be offered during the current term.

GROUP I (9 CREDIT HOURS)

| | |
|--------------|---|
| BUS-1201(3) | Introduction to Business I |
| BUS-1202(3)* | Introduction to Business II |
| POL-2320(3) | Business Government Relations in Canada |

GROUP II (6 CREDIT HOURS)

| | |
|--------------|---|
| BUS-2002(3) | Fundamentals of Financial Accounting |
| BUS-2003(3)* | Managerial Accounting |
| ECON-1102(3) | Introduction to Economics: Micro |
| ECON-1103(3) | Introduction to Economics: Macro |
| STAT-1201(6) | Introduction to Statistical Analysis |
| ACS-1803(3) | Introduction to Computer-Based Systems |
| ACS-2913(3)* | Software Requirements Analysis and Design |

GROUP III (6 CREDIT HOURS)

| | |
|---------------|---|
| BUS-2210(3)* | Fundamentals of Marketing |
| BUS-2440(3)* | Fundamentals of Human Resource Management |
| BUS-2103(3)* | Fundamentals of Organizational Behaviour |
| | OR |
| PSYC-2440(3)* | Organizational Psychology I |

| | |
|---------------------|---|
| BUS-1201(3) | Introduction to Business I |
| BUS-1202(3)* | Introduction to Business II (or the former 81.1101(6)) |
| BUS-2002(3) | Fundamentals of Financial Accounting <u>or</u> |
| BUS-2010(3) | Fundamentals of Financial Management and Administration |
| BUS-2210(3)* | Fundamentals of Marketing |
| BUS-2440(3)* | Fundamentals of Human Resource Management |
| BUS-2103(3)* | Fundamentals of Organizational Behaviour |
| BUS-2501(3)* | Fundamentals of Production and Operational Management |
| POL-2320(3) | Business Government Relations in Canada |

COURSE LISTINGS - 4-YEAR BBA (ADMINISTRATIVE STUDIES STREAM)

GROUP I - (9)

MATHEMATICS (MATH)

MATH-1101(6) Introduction to Calculus
MATH-1102(3) Calculus Basic (Terminal)
MATH-1201(3) Linear Algebra I
MATH-2701(3)* Linear Optimization

POLITICS (POL)

POL-2100(6) Global Politics
POL-2300(6) Public Administration
POL-2305(3) Public Administration Micro
POL-2310(3) Public Administration Macro
POL-3110(3) International Organizations
POL-3300(3)* Public Policy Process
POL-3310(3)* Health Care and Environmental Policy
POL-3515(3) Politics of the Labour Movement
POL-4301(6)* Administrative Theory

P

marketing in promoting consumer and industrial products in both

CHEMISTRY (CHEM)

Note:

REQUIREMENTS FOR THE 3-YEAR BSc IN CHEMISTRY

| | |
|-------------------------------|--|
| ADMISSION REQUIREMENT | Students must consult with a department advisor in planning their course of study. |
| GRADUATION REQUIREMENT | 90 credit hours |
| RESIDENCE REQUIREMENT | |
| Degree: | Minimum 30 credit hours |
| Major: | Minimum 18 credit hours |

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.

PHYS-1301(6) Introduction to Physics
3 Credit hours Humanities

Year 2 - University of Winnipeg

CHEM-2102(3) Thermodynamics and Kinetics
CHEM-2103(3) Atoms, Molecules and Spectroscopy
CHEM-2202(3) Organic Chemistry I
CHEM-2203(3) Organic Chemistry II
CHEM-2302(3) Quantitative Chemical Analysis
CHEM-3302(3) Methods of Chemical Analysis
6 Credit hours Electives
6 Credit hours Humanities

Year 3 - Red River College

CBST-1014 Microbiology 1
CBST-1025 Data Analysis
CBST-1031 Introductory Biochemistry
CBST-1040 Quality Assurance
CBST-1041 Regulatory Compliance
CBST-1070 Principles of Hazardous Materials Management
CBST-1090 Introductory Statistics
CBST-2017 Microbiology 2
CBST-3001 Advanced Biochemistry
ENVI-1011 Environmental Chemistry/Toxicology

Year 4 - University of Winnipeg

CHEM-2401(3) Inorganic Chemistry I
CHEM-3401(3) Inorganic Chemistry II: Coordination Chemistry
CHEM-3601(3) Environmental Chemistry
CHEM-4301(6) Instrumental Analysis
3 Credit hours Humanities
12 Credit hours Electives

COURSE LISTINGS

COURSE DESCRIPTIONS

CHEM-0100(3) FOUNDATIONS OF CHEMISTRY (Le3) The purpose of this course is to prepare students for CHEM-1111(3) Introduction to the Chemical Properties of Matter and CHEM-1112(3) Basic Principles of Chemical Reactivity. Topics include the characterization of chemical substances, chemical reactions, chemical quantities, and chemical systems. Standing in this course will satisfy the prerequisites for CHEM-1111(3) (in place of Chemistry 40s, Pre-Calculus Mathematics 40S, and/or Applied Mathematics 40S). Non-science majors wishing to take a chemistry course for science credit should take CHEM-2801(3) Chemistry and

Chemistry

biomolecules (carbohydrates, lipids, proteins, and nucleic acids); basic enzymology; and, metabolism. Examples of the application of the principles of biochemistry to the study and treatment of human diseases will be discussed.

PREREQUISITES: CHEM-1111(3) and CHEM-1112(3) (or the former CHEM-1101(6)) and BIOL-1115(3).

RESTRICTION: This course CANNOT be used as a credit towards the Chemistry or Biochemistry majors.

NOTE:

CLASSICS (CLAS)

Greek and Roman Studies

Note: The department/program code CLAS replaces the forme

REQUIREMENTS FOR A 4-YEAR BA IN CLASSICS

| | |
|---|--|
| ADMISSION REQUIREMENT | Students must consult with a member of the Department in planning their course of study. Minimum 30 credit hours completed previously. |
| GRADUATION REQUIREMENT | 120 credit hours |
| RESIDENCE REQUIREMENT | |
| Degree: | Minimum 60 credit hours |
| Major: | Minimum 30 credit hours |
| GENERAL DEGREE REQUIREMENT | |
| Humanities: | 12 credit hours |
| Science: | 6 credit hours |
| Social Science: | 12 credit hours |
| Writing: | Minimum 3 credit hours of Academic Writing. |
| Maximum Introductory Courses: | Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level. |
| Distribution: | Minimum three (3) credit hours from each of five (5) different subjects. |
| MAJOR REQUIREMENT | |
| Single Major: | Minimum 48 credit hours/Maximum 66 credit hours in the Major subject. |
| Double Major: | Minimum 48 credit hours in each Major subject as specified by the department/program. |
| Cognates: | Minimum 18 credit hours/Maximum 36 credit hours of ancillary courses. Maximum total of cognate and major courses is 84 credit hours combined. |
| Required courses: | CLAS-4400(6) Thesis |
| <p>Programs of study are available in two different areas: Classical Civilization and Classical Languages (Latin and/or Greek). Students majoring in Classical Languages must have 36 credit hours in Latin and/or Greek. Students are advised to consult with a member of the Department as to the most desirable program to fit their individual needs, particularly if they wish to combine studies in Classical Civilization and Classical Languages. The thesis topic will be determined in consultation with the department advisor. The thesis will normally be undertaken during the final year of study. Cognate courses must receive departmental approval.</p> | |
| Combined Major: | Minimum 60 credit hours from 2 different majors with not less than 24 credit hours from each major subject. |
| Prescribed courses: | To be determined in consultation with the department advisor. |

REQUIREMENTS FOR AN HONOURS BA IN CLASSICS (CLASSICAL LANGUAGES)

| | |
|------------------------------|---|
| ADMISSION REQUIREMENT | Entry into the program after completing a minimum of 30 credit hours. |
|------------------------------|---|

Required Courses for BA Honours in Classics:
CLAS-4400(6) Thesis

Students, particularly those intending to pursue graduate studies in Classics, are advised to take as many 4000-level courses in the two languages as possible. All 3000-level courses in the two languages are offered at the 4000 level, and will be supplemented for Honours students to meet the requirements of the Honours program.

GENERAL INFORMATION

Neither **CLAS-1011(3)** Introduction to Greek Society nor **CLAS-1012(3)** Introduction to Roman Society is required as a pre8(n)-5.703 .0 0 1 57.6 652.2 Tm ((

CLAS-2020(6) Athenian Law and Society
CLAS-2050(3) Education in the Ancient World
CLAS-2701(6) Classical Mythology
CLAS-2702(3) Religion in Greece and Rome
CLAS-2800(3) Greek and Latin in Today's English
CLAS-3211(3)/ Classical and Medieval Science
HIST-3903(3)
CLAS/ENGL- History of Greek Literature
3752(3)
CLAS/ENGL- History of Latin Literature
3753(3)

LATIN AND GREEK

A reasonable number of courses of Latin and Greek is made available to students each year. The complete value of Classical Training can only be attained through study of the two Classical languages. In the introductory courses (CL

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jewellery, and the minor arts. This course may be counted for credit towards an Art History Major.

RESTRICTIONS: May not be taken by students with credit in the former CLAS-2001(6).

CLAS-2003(3) ROMAN ART AND ARCHITE

CLAS-4400(6) THESIS (P) To complete the Honours or 4-Year BA, each student must complete, in the final year, a program of research under the supervision of a member of the Department. Students wishing to enrol in this course must consult with the Department of Classics well in advance of registration to determine the thesis topic.

PREREQUISITE: Permission of Department.

CONFLICT RESOLUTION STUDIES (CRS)

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RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Social Science: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 48 credit hours in Conflict Resolution Studies (CRS)/Maximum 66 credit hours. Of these, a minimum of 6 credit hours must be at the 4000 level.
Double Major: CRS encourages students to consider a double major. All programs permit the selection of two majors. Students who declare the double major must meet the requirements of both majors.
Cognate: Minimum of 18 credit hours selected from CRS Area courses.
Note: Three of these cognate credit hours must be selected from the following: **ANTH-4108(3)** Ethnographic Field and Research Methods, **POL-3224(3)** Research Project Design, **SOC-2126(3)** Introduction to Research Design and Qualitative Research a

PHIL-2202(3) Ethics in Medicine and the Law
 PHIL-2208(3) War and Peace
 PHIL-2233(3) Environmental Ethics
 PHIL-2252(3) Philosophy of the Social Sciences
 POL-2315(6) The Legal Process
 POL-2400(6) Canadian Politics
 POL-2405(6) Women, Gender and Politics
 POL-2410(6) Human Rights and Civil Liberties in Canada

 POL-2505(3) Issues in City Politics
 POL-2510(6) Community Politics
 POL-3110(3) International Organization
 POL-3115(3) Gender and Global Politics
 POL-3120(3) International Law
 POL-3135(6) Human Security Issues
 POL-3320(3) Women and the Law
 POL-3400(3) Aboriginal Politics in Canada
 POL-3405(3) Aboriginal Politics in Manitoba
 POL-3411(3) Aboriginal People and the Law I
 POL-3415(3) Aboriginal People and the Law II
 POL-3500(6) Globalization and City Politics
 POL-3510(3) Interest Groups and New Social Movements

 POL-4301(6) Administrative Theory
 POL-4315(3) Strategic Planning in Organizations I
 POL-4320(3) Strategic Planning in Organizations II
 POL-4510(3) Law and the Politics of Social Change
 REL-2402(3) Fundamentalisms in Global Perspective
 REL-2404(3) Religion and Culture I: Religions in Encounter and Change

 REL-2711(3) Contemporary Islam
 REL-2801(3) Introduction to Aboriginal spirituality
 REL-2802(3) Aboriginal and Christian Encounter
 SOC-2108(3) Social Regulation*
 SOC-2110(6) Social Change*
 SOC-3104(6) Globalization and Societies in the World System*

 SOC-2207(3) Crime in contemporary society*
 SOC-3104(6) Globalization and Societies in the World System*

 SOC-3123(3) Crime, victimization and justice in Aboriginal Communities

SOC-3209(3) Mass Communication and Popular Culture
 WGS-4004(3) Feminist Cultural Studies*
 WGS-4107(3) Feminist Approaches to Expressive Communication*

 WGS-4232(3) Senior Seminar in Women's Studies*

RESEARCH AND LANGUAGE SKILLS

We recommend that students interested in continuing their studies at the graduate level, in particular, consider courses from this list.

ANTH-4108(3) Ethnographic Field and Research Methods

 ENGL-3801(3) Discourse Analysis*
 ENGL-4110(6) Contemporary Critical Theory*
 RHET-2135(3) Rhetorical Criticism
 RHET-2138(3) Modern Rhetorical Theory
 FREN-1111(6) Practical Language Skills
 GERM-33 or

will include anger, power, creative dimensions of conflict, and mediation. These will be examined from an interdisciplinary perspective.

PREREQUISITES: EDUC-1001(3) or EDUC-1801(3).

RESTRICTIONS: Students may not hold credit in both this course and CRS-1200(6) or the former MSC-2100(6).

CROSS-LISTED: Education EDUC-2232(3).

CRS-2241(3) CONFLICT AND CULTURE (Le3) The course will explore the relationship between culture and conflict, from an interdisciplinary perspective. This will include an examination of cultural differences in response to conflict, as well as the nature and origins of conflict between and among cultures, with special reference to the relationships between culture and alternatives in conflict resolution. Special attention will be given to inter-ethnic conflict in the modern world.

PREREQUISITES: CRS-1200(6) or permission of instructor.

CRS-2242(3) METHODS OF CONFLICT RESOLUTION IN EDUCATIONAL SETTINGS (Le3) This course will provide practical applications of conflict resolution skills, for teaching conflict resolution and for the implementation of conflict management programs from elementary to secondary levels. Practical skills for conflict resolution in the classroom, in the home, in the peer group, and in staff relations will be developed. Areas of skill learning will include conflict mediation, listening skills, responding to anger and violence, and classroom management. A practicum component will be included to provide the opportunity to link theory to practice.

PREREQUISITES: CRS-2232(3) or EDUC-1001(3) or EDUC-1801(3) AND CRS-1200(6).

CROSS-LISTED: Education EDUC-2242(3).

CRS-2251(3) CONFLICT IN THE FAMILY I (Le3) This course is designed to help students understand how conflict develops and manifests itself within familial relationships. Students will study the nature of the family through the lens of a systemic perspective by examining family structure, communication patterns, and gender issues in relation to the family life cycle. Students will learn to differentiate between destructive and constructive conflict processes in the family. They will then progress to an understanding of how to transform antagonistic conflict into problem solving.

PREREQUISITES: CRS-1200(6) or permission of instructor.

RESTRICTIONS: Students may not hold credit in both this course and the former MSC-2281(3) Selected Topics in CRS: Marriage, 0 Td (l8083 0 0 1 77.34 3849 0 Td ())Tj 2.645j 2.22425 0 Td (S)Tj)Tj.44849 0 Td ()Tj 2.22425 0 Td (a)Tj 4.44849 0 Td (262.22425 0Td (a)

and its resolution. Students integrate theory with practice through seminar participation, and academic assignments.

Note: Students must complete both this course and CRS-3297(1.5) to fulfill their 3 credit hour Practicum requirement.

PREREQUISITES: CRS-1200(6), CRS-2210(3), and CRS-3220(3), permission of Menno Simons College Practicum Director, AND a minimum cumulative grade point average of 2.75.

RESTRICTIONS: Students may not hold credit in both this course and CRS-3299(3). This is a limited enrollment course.

CRS-3297(1.5) PRACTICUM INTd (.)T 2.22425 0 Td (5)T 5 0 Td (.)T 2.22425 49 0 Td (.)T 2.22425 5.77102 0 Td (Td (.)T 2.22425 0 Td (5d (.)T 2.642

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circumstances that influence the nature of mediation practice. The course will draw extensively on research findings and case-study materials re

CRIMINAL JUSTICE (CJ)

Faculty: Associate Professors: Michael Weiland; Assistant Professors: R. Jochelson, S. Kohm, M. Nimmo; Instructors: J. Franklin, J. Murray.

DEGREES/PROGRAMS OFFERED

Bachelor of Arts, BA
Bachelor of Science, BS
Degree: 4-Year (Bachelor's)

INTRODUCTION

The Criminal Justice Department concerns itself with crime, offenders, victims, the criminal justice system and other forms of social sanctions and controls. Our students become familiar with historical and contemporary explanations of crime, and the research literature on criminal justice agencies such as the police, the courts and corrections. Students are challenged to think critically about the key issues confronting the criminal justice system.

Honours Subjects will be calculated as for the general degree (i.e., F's are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT

Minimum 120 credit hours

RESIDENCE REQUIREMENT

Degree:
Honours:

Minimum 60 credit hours.

Minimum 30 credit hours, including a minimum of 18 credit hours at the upper level

(3000/4000) of which a minimum 9 must be done in residence (2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100)

RESTRICTIONS: Must have declared major in Criminal Justice or Sociology, or permission of the Instructor. Students may not hold credit for both this course and CJ-3101(3).

CJ-2120(3) POLICING IN CANADA (Le3) This course examines the historical development of policing in Canada, as well as the organization and operation of contemporary Canadian policing. Key areas of focus include the Charter of Rights and freedoms and police powers, the use of force, accountability, corruption, police administration

DEVELOPMENTAL STUDIES (DEV)

Note: The department/program code DEV replaces the former

GENERAL INFORMATION

Prerequisites

All students in Developmental Studies (Stream A, B, or C) will receive a waiver of **SOC-1101(6)** Introductory Sociology **ONLY** for SOC-2115(6) Sociology of Socialization and Development. Students who wish to take other Sociology courses must complete the Introductory course prerequisite or seek a waiver from the Sociology Department.

Applicants who hold a 2-year ECE diploma from either Red River College (RRC) or Collège Universitaire de Saint-Boniface (CUSB) will receive a waiver for **PSYC-1000(6)** Introductory Psychology and **PSYC-2200(3)** Developmental Psychology I: Fundamentals.

Often a course will list a prerequisite or indicate permission of instructor. Applicants interested in such courses should contact the instructor to discuss their qualifications. If the instructor feels the applicant has the background necessary for the course, a prerequisite waiver will be issued and the applicant may register for the course.

Advanced Internship Requirements

All students in Stream C will be required to participate in an advanced internship in their selected area of specialization: (a) Inclusion **OR** (b) Child Care Administration. The goals of the internship are to provide students with opportunities to integrate theoretical learning with practical experience and will focus on emerging leadership skills.

The internship will involve the equivalent of two days a week to be spent on-site at a designated internship setting in the final term of the program. Under special circumstances, the student may elect to complete the internship over a four-week block of time (equivalent of 20 full days) after consultation with and approval by the instructor. Students will be required to develop a major project that provides a focused learning experience in their internship placement. A Topics course will be taught in conjunction with the advanced internship where students will have an opportunity to exchange perspectives on a broad range of issues relating to their respective fields. Students will gain information and skills through in-class discussions and presentations, student reporting of experiences gained through their internship placements, as well as through individual research and readings.

PROGRAM REQUIREMENTS

STREAM A

INDIVIDUAL HUMAN DEVELOPMENT

PSYC-2200(3) Developmental Psychology I: Fundamentals
SOC-2115(6) Sociology of Socialization and Development
- selection of courses from the following four groups, as indicated below
TOTAL: 30 to 33 credit hours

GROUP 1:

DEVELOPMENT OF INDIVIDUAL FUNCTIONS

(MINIMUM OF 6 CREDIT HOURS)

| | |
|--|---|
| BIOL-3562(6) Human Reproductive Biology | PSYC-3200(3) Developmental Psychology II: Childhood |
| DEV-3001(3) Applied Child Development | PSYC-3220(3) Adult Psychology |
| KIN-2203(3) Growth and Development Through Physical Activity | PSYC-3230(3) Adolescent Psychology |
| KIN-2206(3) Movement Education | PSYC-3480(3) Interpersonal Communication |
| KIN-2207(3) Physical Growth and Motor Development | SOC-2201(3) Sociology of Aging |
| KIN-3208(3) Physical Activity and Aging | SOC-2202(3) Changing Patterns of Aging |
| PSYC-2620(3) Psycholinguistics | SOC-2307(3) Sociology of Youth |

Note: Students wishing to take advanced study in a specialized area of child development may also select from the following optional courses, provided that all the necessary prerequisites are met (consult course descriptions):

PSYC-4200(3) Topics in Developmental Psychology
PSYC-4250(3) Cognitive Development
PSYC-4260(3) Prenatal and Infant Development
SOC-4410(6) The Life Cycle: Middle and Later Years

Note: The majority of courses in the above listing have very limited enrolment; therefore, early registration is essential.

GROUP 2:

VARIATIONS IN INDIVIDUAL FUNCTIONING

(MINIMUM OF 6 CREDIT HOURS)

| | |
|---|---|
| CRS-1200(6) Introduction to Conflict Resolution Studies | SOC-2107(3) Criminology Theory |
| DEV-3300(3) Speech and Language Disorders in Children | SOC-2108(3) Social Regulation |
| ENV-2604(3) Environment and Health | SOC-3201(3) Sociology of Youth Justice |
| PSYC-3710(3) Abnormal Behaviour in Children and Adolescents | SOC-3210(6) Sociology of Mental Illness |
| PSYC-3740(3) Introduction to Family Processes | SOC-4406(6) Seminar in Sociology of Law & Criminology |

GROUP 3:

METHODS OF CRITICAL INVESTIGATION

(3 TO 6 CREDIT HOURS)

GROUP 4:
SOCIAL CONTEXT OF DEVELOPMENT
(MINIMUM 6 CREDIT HOURS)

| | | | |
|--------------|---|--------------|--|
| ANTH-2300(3) | Method and Theory in Biological Anthropology | ENGL-2114(3) | Fairy Tales and Culture |
| ANTH-3120(3) | Aboriginal peoples of Arctic Canada | ENGL-2115(3) | Fiction for Children |
| ANTH-4105(6) | Aboriginals and Newcomers in Encounter: Selected Topics | ENGL-2116(3) | Canadian Children's Literatures and Cultures |
| CLAS-2070(6) | Women and Family in Greece and Rome | FREN-2681(3) | Children's Literature of French Canada |
| DEV-2004(3) | Observation and Evaluation Techniques in Child Care Settings | GEOG-2407(3) | Recreation Geography |
| DEV-3100(3) | The Child, Family and Social Policy | SOC-2103(6) | Sociology of the Family |
| DEV-3400(3) | Parents, Families & Professionals in Child Care | SOC-2109(3) | Social Policy and Social Welfare |
| ENGL-2003(3) | The Field of Children's Literature | SOC-2118(6) | Sex and Gender Relationships |
| ENGL-2113(3) | Picture Books for Children | SOC-2202(3) | Changing Patterns of Aging |

Note: Students may also select from the following optional courses, provided that all the necessary prerequisites are met (consult course description):

GEOG-41(e)2.69438(c)-8.42093(t)--8.42093ts-2

**GROUP 2:
METHODS OF CRITICAL INVESTIGATION
(3 TO 6 CREDIT HOURS)**

| | | | |
|--------------|---|--------------|--|
| PSYC-2101(3) | Introduction to Data Analysis | SOC-2126(3) | Introduction to Research Design and Qualitative Research |
| PSYC-2102(3) | Introduction to Research Methods | | |
| SOC-2125(3) | Introduction to Quantitative Research Methods | STAT-1201(6) | Introduction to Statistical Analysis |

**STREAM C
CHILD DEVELOPMENT AND CHILD CARE
INTRODUCTION**

Red River College (RRC)

Stream C is an expansion of a long-standing joint program between the University of Winnipeg (UW) and Red River College (RRC). By combining the resources of both institutions, students are able to earn both RRC's 2-year diploma in Early Childhood Education (ECE) and UW's 3-year BA in Developmental Studies in a 4-year period of full-time study. Stream C is a professional program particularly designed for those who wish to pursue the area of early childhood development, and who seek classification as an Early Childhood Educator III under the regulations of Manitoba Family Services and Housing. For more information regarding RRC's program, contact Jan Botting, Student Records Officer, at 632-2328.

Collège Universitaire de Saint-Boniface (CUSB)

CHILD CARE ADMINISTRATION
REQUIRED COURSES (15 CREDIT HOURS)

| | | |
|---------------------|-------------|-----------------------------|
| s I | DEV-3610(3) | Topics in Leadership in ECE |
| s II | DEV-3630(3) | Advanced Internship |
| Resource Management | | |

ELECTIVES

ELECTIVES

Students are ENCOURAGED to select their electives from the following list of courses;

| | |
|-------------|--|
| ACS-1453(3) | Introduction to Computers |
| BUS-2002(3) | Fundamentals of Financial Accounting |
| BUS-2103(3) | Organizational Behaviour |
| BUS-3110(3) | Ethics in Management |
| BUS-3250(3) | Not-for-Profit Management |
| BUS-3440(3) | Contemporary Human Resource |
| IDS-4920(3) | Program Planning, Monitoring and Evaluation |
| KIN-2101(3) | Program Planning in Sport Issues |
| POL-2305(3) | Public Administration: Micro |
| POL-2310(3) | port Issues |
| POL-2305(3) | Pubonu-2c8-6.12989()-6.12989(I6045(n)32.6045(d)32.6045()-6.12989(E)23.9701(v)36.4216(a)32..(I6045(n)32.6045(d)32.6045()-6.12989 |

to maximum of two times.

DEV-3610(3) TOPICS IN LEADERSHIP IN EARLY CHILDHOOD EDUCATION (S3) The course provides an opportunity for currently enrolled interning students to understand and to integrate core

ECONOMICS (ECON)

Note: The department/program code ECON replaces the former code 14. Students cannot hold credit in ECON-xxxx and the former 14.xxxx having the same course number (e.g., ECON-1102(3) and 14.1102(3)).

Chair: Professor P. Cyrenne; **Professors:** S. Abizadeh, M. Benarroch, X-Y. Dong, H. Grant; Assistant Professors

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Students who have already completed 6 credit hours

RESIDENCE REQUIREMENT

Degree:

Minimum 60 credit hours

ECON-2304(3) Income Distribution and Industrial Relations
ECON-2305(3) Canadian Economic History
ECON-2306(3) Canadian Economic Development
ECON-2311(3) Economics of Natural Resource Extraction
ECON-2317(3) Environmental Economics
ECON-2318(3) Energy Economics
ECON/BUS- Corporate Finance
2319(6)
ECON-3104(3) Modern Microeconomics for Economics and Business
ECON-3201(3) Introduction to Econometrics
ECON-3301(3) International Tax
ECON-3301(3) International Tax6635408(c)-6.3847(a)3.64847(n)3.64847(c)-6.32115(e)3.64939()TJ 8.88 TL T*[(2)3.64825(C)0.875596(O)10.8462(N)

Walras, Jevons, Marshall, Edgeworth, Pigou, and J.B. and J.M. Clark. The emphasis is on the historical and philosophical dimensions of their work.

PREREQUISITES: ECON-2101(3) and ECON-2102(3) or permission of the instructor.

ECON-4103(3) MICROECONOMICS (Le3) This course provides students with an intensive review of the major principles and techniques of microeconomic analysis. It also deals with the determination of prices and the role of the

**ECON-4411(3) ADVANCED READING COURSE IN
ECONOMICS (D)** A program of reading, research, and

IV. The Use of W

EXPANDED ADMISSION INFORMATION

The University of Winnipeg affirms the values of equal opportunity, equity, and social justice. In keeping with these values, the Faculty of Education has established a policy of expanded admission to help us recruit a group of education students who generally reflect the diversity of the population of Manitoba. This policy is in addition to our Access Program at the Winnipeg Education Centre and the Community-Based Aboriginal Teacher Education Program.

Students who wish to be considered for Expanded Admission must indicate this on the Expanded Admission Student Application Form included with their application and provide supporting documentation. Applicants must be residents of Manitoba, Saskatchewan, or Alberta.

REQUIREMENTS FOR THE INTEGRATED BEd/BA OR BSc DEGREE

ADMISSION REQUIREMENTS

- Space in the Integrated BEd/BA or BSc Degree program is limited, and not all eligible applicants may be admitted.
- Students must meet regular or mature admission requirements.
- Students currently registered in a BA or BSc program may apply to the Integrated program with advanced standing.
- The Education Selection Committee will select students on the basis of their academic qualifications and their admissibility to the program.
- Some applicants may be admitted under the category of Expanded Admission.
- Students accepted to the program will be required to submit a Criminal Record Check including a Vulner

60 credit hours which meet all BEd requirements.

RESIDENCE REQUIREMENT

Degree:

Minimum 48 credit hours, incl

**REQUIREMENTS FOR THE INTEGRATED BEd/BA OR BSc
JOINT UW/RRC BUSINESS TEACHER EDUCATION^α INDUSTRIAL ARTS/TECHNOLOGY
TEACHER EDUCATION PROGRAMS**

ADMISSION REQUIREMENTS

- Students must be admitted by both institutions. As admission to Red River College is contingent upon acceptance by the University of Winnipeg, students must submit their application to the University of Winnipeg.
- Students must meet Regular or Mature status admission requirements.
- Students currently registered in a BA or BSc program, or students who have completed a first undergraduate degree, may apply to the Joint UW/RRC program.
- The Joint UW/RRC Education Selection Committee will select students on the basis of their academic qualifications and admissibility to the program.
- Students accepted to the program will be required to submit a Criminal Record Check including a Vulnerable Sector Screening, and a Child Abuse Registry Check before admission can be finalized.
- Students are admitted to

- EDUC-4404(3) School System
- EDUC-4410(3) Introduction to Aboriginal Education
- EDUC-4501(3) Introduction to Special Education
- EDUC-4870(3) Senior Years Curriculum, Instruction & Assessment: Literacy Across the Curriculum*
- 3 credit hours of Special Education II Courses

* Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Victoria as part of the Faculty of Education program. (Note: The asterisk is used to indicate that the course is required for the Bachelor of Education degree.)

NOTE: Students are advised that courses taken at Red River College will not normally be credited toward other degree programs. For example, students who withdraw from the Joint UW/RRC teacher education program and wish to pursue only a BA or BSc degree will lose a significant number of credit hours.

GRADUATION REE... 2.28433 0 1

- EDUC-1084 Power and Energy Technology-Introduction 1
- EDUC-1085 Industrial Arts Education Methods and Practicum 1
- EDUC-1086 Organizing Technology Education Facilities
- EDUC-1116 Graphic Communications Tech 1
- EDUC-2070 Construction Technology -Intermediate
- EDUC-2071 Power and Energy Technology-Intermediate
- EDUC-2089 Manufacturing Technology-Intermediate
- EDUC-2090 Industrial Arts Education Methods and Practicum 2
- EDUC-2091 Teaching Industrial Arts/Technology Education
- EDUC-2095 Graphic Communications Tech 2
- EDUC-3225 Manufacturing Technology-Advanced
- EDUC-3226 Construction Technology-Advanced
- EDUC-3227 Power and Energy Technology-Advanced
- EDUC-3229 Graphic Communications Technology-Advanced
- PRAC-3008 Industrial Arts Student Teaching

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* Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Winnipeg as part of the Faculty of Education residency requirements.

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REQUIREMENTS FOR BA OR BSc GRADUATES TO OBTAIN THE JOINT UW/RRC BEd IN ABORIGINAL LANGUAGE TEACHER EDUCATION (AFTER-DEGREE BEd PROGRAM)

ADMISSION REQUIREMENT

- Space in the Joint UW/RRC After-Degree BEd program is limited, and not all eligible applicants may be admitted.
- Students must be admitted by both institutions. As admission to Red River College is contingent upon acceptance by the University of Winnipeg, students must submit their application to the University of Winnipeg.
- Applicants must have completed a first undergraduate degree. Minimum 90 credit hour degree.

GRADUATION REQUIREMENTS

Minimum 150 credit hours total for graduation with the second degree.
60 credit hours which meet all BEd requirements.

RESIDENCE REQUIREMENT

Degree: Minimum 48 credit hours, including all practicum, curriculum, instruction and assessment courses.

REQUIRED COURSES

(At the Degree Level)

UW/RRC Aboriginal Language Education

Red River College Courses:

- L96-A002 Aboriginal Writing 1
- L96-A005 Introduction to Linguistics
- L96-A008 Seminar on Traditional Teachings
- L96-A012 Introduction to Translation
- L96-A201 Aboriginal Writing 2
- L96-A204 Algonquian Linguistics 2
- L96-A207 Seminar on Traditional Teachings 2
- L96-A213 Translation 2
- L96-A207a Seminar on Traditional Teachings 3
- L96-A213a Translation 3
- L96-A201a Aboriginal Writing 3
- L96-A204a Algonquian Linguistics 3
- B22-E203 Course Development
- L96-A3XX Curriculum, Instruction & Assessment: Aboriginal Language Education 1
- B22-E204 Educational Testing and Evaluation
- L96-A3YY Curriculum, Instruction & Assessment: Aboriginal Language Education 2
- B22-T110 Seminar & School Experience
- L96-A013 Aboriginal Language Education: Methods and Practicum I
- L96-A212 Aboriginal Language Education: Methods and Practicum II
- B22-T212 Student Teaching - Major

University of Winnipeg Courses:

- 6 credit hours in Senior Years Curriculum, Instruction & Assessment: Minor*
- Practicum Block: EDUC-4884(3) Practicum Block-Red River College
- EDUC-4404(3) School System
- EDUC-4410(3) Introduction to Aboriginal Education
- EDUC-4501(3) Introduction to Special Education
- EDUC-4821(3) Middle Years Education
- EDUC-4870(3) Senior Years Curriculum, Instruction & Assessment: Literacy Across the Curriculum*
- 3 Credit hours of Special Education II Courses
- 3 credit hours chosen from:
 - EDUC-2232(3) Conflict Resolution in Educational Settings
 - EDUC-3400(3) Educational Settings and the Sociology of Learning
 - EDUC-4401(3) Just and Effective Schools
 - HIST-2514(3) History of Canadian Education
 - PHIL-2291(3) History of Educational Ideas (Philosophy course)
 - SOC-1105(3) Beginning Sociology in Education

* Courses which are highlighted with an asterisk indicate those courses that must be completed at the University of Winnipeg (812-438-7650) or Red River College (204-769-4256).

PROGRAM REQUIREMENTS

The Post-Baccalaureate Diploma in Education at the University of Illinois at Chicago (UIC) is a two-year program that requires the completion of 30 credit hours of coursework. The program is designed for individuals who have completed a bachelor's degree in a field other than education and wish to enter the teaching profession. The program includes coursework in education theory, research, and practice, as well as a student teaching experience. The program is accredited by the National Council for Accreditation of Teacher Education (NCATE).

EDUC-3814(2) Teaching/Learning and the K-8 Curriculum Practicum (WEC)

EDUC-4835(1) - EDUC-4842(3) EY C, I & A (all areas) 2.64505 0 Td ()Tj 2.22425 0 Td (E)Tj 5.41033 0 Td (Y)Tj 4.44849 0 Td (n)Tj 4.44849 0 Td (d)Tj 4.44

2. be withdrawn from the Faculty of Education.

j) Due to the fact that Curriculum, Instruction and Assessment courses and practicum blocks are tied and must be completed together, students may not withdraw from some C, I & A courses while remaining in others.

k) Students will have one attempt to repeat the Curriculum, Instruction and Assessment portion and/or practicum of either year 1 or 2.

5. Students who, after admission, show an inadequate command of spoken or written English which interferes with th

5. Students wishing to appeal the PRC decision beyond the Education Program should direct an appeal to

EDUC-4871(6) Senior Years Curriculum Instruction
and Assessment: Curriculum Design
EDUC-4872(2.5) Practicum Block I - Early Years
EDUC-4873(2.5) Practicum Block I - Middle Years
EDUC-4874(2.5) Practicum Block I - Senior Years
EDUC-4875(2.5) Practicum Block II - Early Years
EDUC-4876(2.5) Practicum Block II - Middle Years
EDUC-4877(2.5) Practicum Block II - Senior Years
EDUC-4878(2.5) Practicum Block III - Early Years
EDUC-4879(2.5) Practicum Block III - Middle Years
EDUC-4880(2.5) Practicum Block III - Senior Years
EDUC-4881(2.5) Practicum Block IV - Early Years
EDUC-4882(2.5) Practicum Block IV - Middle Years
EDUC-4883(2.5) Practicum Block IV - Senior Years
EDUC-4884(3) Practicum Block - Red River College
EDUC-4885(1) Capstone
EDUC-4890(3) Senior Years Curriculum, Instruction
And Assessment: General Methods

EDUC-4891(3) Practicum Block - Vocational
Education
EDUC-5001(3) Special Topics in Education
EDUC-5401(3) Creative Problem Solving
EDUC-5402(3) Expanding Gifted Education
EDUC-5403(3) Meeting the Needs of FAS/FAE
Students
EDUC-5404(3) Reaching the ADHD Child
EDUC-5405(3) Reclaiming Trouble0rouble0

is schooling which facilitates and promotes personal social growth as well as academic development of students.

PREREQUISITES: EDUC-2511(3) and EDUC-2512(1); or EDUC-2513(3).
EDUC-2511(3) or EDUC-2512(1) or EDUC-2513(3)

RESTRICTIONS: May not be taken by students w

**EDUC-4842(3) EARLY YEARS CURRICULUM,
INSTRUCTION AND ASSESSMENT: SOCIAL STUDIES**
(Le3) This course introduces students to the instructional
approaches and assessment techniques relevant to the
teaching of Social Studies ~~via~~ r l

context of the Manitoba Education and Training curriculum framework for Chemistry.

PREREQUISITE: Available only to students admitted to the certification portion of the program.

COREQUISITES: EDUC-4869(3) and associated practicum courses.

EDUC-4855(6) SENIOR YEARS CURRICULUM,

INSTRUCTION AND ASSESSMENT: ENGLISH (Le6) This

course introduces students to the instructional approach associated with the course. 18th 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100

EDUC-4868(3) CURRICULUM, INSTRUCTION AND ASSESSMENT: PRINCIPLES OF LEARNING FRENCH AS A SECOND LANGUAGE (Le3) This course presents the theories and principles of learning French as a second language with particular emphasis on the Communicative Approach in Core French and Immersion. A study of current didactic materials, teaching methods and lesson implementation at the K to 8 levels, based on the Manitoba context, will be undertaken. This course will be taught in French.

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Years settings under the guidance and supervision of practicum host teachers. This practicum includes a 5 week block plus 1 day a week experience for a total of 9 days and may include a start of school experience if appropriate.

PREREQUISITE: Available only to students admitted to the certification portion of the program; completion of E;

EDUC-5406(3) STEPS TO ACHIEVING REAL-LIFE

SKILLS (Le3) This course is designed to prepare educators to work more effectively with at-risk youth. Using a variety of practical resources, students learn how to help adolescents develop transferable, personal skills in a variety of domains. Students are introduced to the STARS (Steps to Achieving Real-life Skills) Program, a middle years guidance curriculum for at-risk young people that can be implemented on an individual, small group, or total classroom basis. Components of the program

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|-----------------------------|-------------------------------|---------------------------|-------------------|-------------------|--------------------------|
| Biopsychology | All | Yes | No | No | See Note at end of table |
| Business and Administration | All | Yes | No | No | See Note at end of table |
| Business Education | SY only | No | Yes | No | UW/RRC Program only |
| Chemistry | All | Yes | Yes | Yes | |
| Classics | All | Yes | No | Yes | |
| Communications | All | Yes | Yes (English) | Yes (English) | |
| Conflict Resolution Studies | All | Yes | No | No | See Note at end of table |
| Criminal Justice | All | Yes | No | No | See Note at end of table |
| Dance | EY E/MY MY | Yes | No | Yes | Under development |
| Developmental Studies | EY E/MY MY | Yes | No | Yes | |

Economics

All

Yes

No

Yes

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|---------------------------------------|-------------------------------|----------------------------|-------------------|-------------------|--------------------------|
| Philosophy | All | Yes | No | Yes | |
| Physics | All | Yes | Yes | Yes | |
| Politics | All | Yes | No | Yes | |
| Psychology | All | Yes | No | Yes | |
| Religious Studies | All | Yes | No | No | |
| Rhetoric, Writing, and Communications | All | Yes | No | No | See Note at end of table |
| Sociology | All | Yes | No | Yes | |
| Statistics | All | Yes | No | No | |
| Theatre and Film | All | Yes | Yes | Yes | |
| Vocational Education | SY | No | Yes | No | UW/RRC Program only |

ENGLISH (ENGL)

Updated Aug 20/09

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REQUIREMENTS FOR A 4-YEAR BA IN ENGLISH

ADMISSION REQUIREMENT

Students must consult with the department advisor in planning their studies.
Minimum 30 credit hours completed previously.

GRADUATION REQUIREMENT

120 credit hours

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PERIODS

N E

6 credit hours from

- ENGL-2202(3) Literature of the Sixteenth Century
- ENGL-2203(3) Literature of the Seventeenth Century
- ENGL-2211(6) Neoclassical and Romantic Literature
- ENGL-2221(6) The Age of Chaucer
- ENGL-2311(6) Shakespeare
- ENGL-3710(6) Canadian Literature and Culture to 1914
- ENGL-3720(6) American Literature and Culture to 1914
- ENGL-2902(3) Women Writers before 1900

ENGL-32Tj 4.26815 0 Td (n)Tj 4.26815 0 Td (d)Tj 4.26815 0 Td ()Tj 2.0439 0 Td (C)Tj 5.59067451 0 Td7d (E)Tj 5.35021 0 Td (N)Tj 5.77102 0 Td (o)Tj 4.4

ENGL-32Tj 4.26815 0 Td (n)Tj 4.26815 0 Td (n)Tj 4.26815 0 Td ()Tj 2.0439 0 Td (C)Tj 5.59067451 0 Td7d (E)Tj 5.35021 0 Td VE

ENGL-3222 CEo ernism

ENGL-3 n(5) 4.26815 0 Td (n)Tj 4.44849 0 Td ()Tj 4.26815 0 Td ()Tj 2.0

ENGL-3115(3) Creative Writing: Writing for Children
 ENGL-3116(3) Workshop in Creative Writing (see English website for current description)
 THFM-2611(3) Introduction to Screenwriting*
 THFM-2701(6) Playwriting 1*

*Note that Theatre and Film courses have their own prerequisites and regulations.

2. 6 credit hours of study in Canadian and/or Aboriginal literatures and cultures. Courses satisfying this requirement include:

- ENGL-2116(3) Canadian Children's Literatures and Cultures
- ENGL-3710(6) Canadian Literature and Culture to 1914
- ENGL-3713(6) Contexts in Canadian Literature
- ENGL-3714(3) Literature of Winnipeg
- ENGL-3715(6) Diasporic Literatures and Cultures in Canada
- ENGL-3716(6) Canadian Literature and Culture after 1914
- ENGL-3717(6) Aboriginal Literatures
- ENGL-3719(3) Literature of Manitoba

3. 18 additional credit hours of study in English courses. Any English courses (except for Creative Writing courses) will satisfy this requirement. Creative Writing students are strongly encouraged to exceed the minimum number of English courses required. To write well, you must be well-read.

Required Courses

18-36 credit hours of study in cognate departments. Cognate departments include: Classics, Rhetoric, Writing, and Communications, History, Theatre and Film, Modern Languages, Philosophy, and Religious Studies.

Students must consult with an English Department advisor for creative writing in planning their program of study and completing the required forms each semester.

Sample Path

This is an example of one possible path through the program. Students' programs will vary, depending on how many courses taken per year, the options chosen, the order in which they are taken, and the rotation of course offerings in any given year. Consult an advisor before each registration to ensure that your degree requirements are being covered.

| Year 1 | Year 2 | Year 3 | Year 4 |
|--|--|--|--|
| <ul style="list-style-type: none"> • 6 hours of English 1 • 3 hours of Academic Writing • 6 hours of Science • 6 hours of Social Science • 9 hours of cognate courses (chosen from a department in the list of required cognates above) | <ul style="list-style-type: none"> • ENGL-2002(3) The Creative Process • ENGL-2102(3) Introduction to Creative Writing: Developing a Portfolio • 6 hours of Canadian Literature or Aboriginal Literature (chosen from the list of required courses above) • 6 hours of additional English Literature courses (not Creative Writing) • 6 hours of Social Science • 6 hours of cognate courses | <ul style="list-style-type: none"> • ENGL-3101(6) Creative Writing • ENGL-3113(3) Creative Writing: Fiction OR ENGL-3115(3) Writing for Children OR ENGL-3114(3) Creative Writing: Poetry • hours of additional English Literature courses (not creative Writing) • 6 hours in cognate courses • 9 hours student's choice | <ul style="list-style-type: none"> • ENGL-3112(6) Advanced Creative writing (recommended but not required) OR 6 hours student's choice • 3 hours of Creative Writing |

ENGL-2114(6) Fairy Tales and Culture
ENGL-3115(3) Writing for Children
ENGL-3117(3) Poetry for Young People
ENGL-3118(3) Topics in Fiction for Young People
ENGL-3119(3) Canadian Children's Literature and Culture
ENGL-3160(3) Advanced studies in Children's Cultural and Literary Texts
ENGL-3169(3) Fila L-3169(3) aPeop e

Writing:
Maximum Introductory Courses:
Distribution:

Minimum 3 credit hours of Academic Writing.
Students may use a maximum of 42 credit hours at the 1000-level. Of these, a maximum of 6 credit hours may be below the 1000-level.
Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Honours:

Minimum 54 credit hours/Maximum 78 credit hours in th 798 Tf 4.8693 0 Td ()Tj -102.315 -9.24 Td ()Tj 9.01721

Requirements

Students must have taken 6 credit hours at the 1000-level in English literature courses before enrolling in MOST 2000-, 3000-, and 4000-level courses in the Department of English. There are two ways to fulfill this requirement:

- ENGL-1001(6) English I, **and**
- a combination of ENGL-1000(3) English IA **and** ENGL-1003(3) English IB

For the following Language courses, 6 credit hours at the 1000-level OR Departmental permission is required:

- ENGL-2802(3) Syntax
- ENGL-2803(3) Phonetics and Phonology
- ENGL-2804(3) Varieties of English
- ENGL-2805(3) Morphology
- ENGL-2806(3) Semantics: Philosophical Foundations
- ENGL-3800(6) Stylistics
- ENGL-3812(6) A History of the English Language

For the following Creative Writing courses, 6 credit hours at the 1000-level **and** the Instructor's permission must be obtained:

- ENGL-3101(6) Creative Writing: Fiction and Poetry
- ENGL-3112(6) Advanced Creative Writing
- ENGL-3113(3) Creative Writing: Fiction
- ENGL-3114(3) Creative Writing: Poetry
- ENGL-3116(3) Workshop in Creative Writing

For ENGL-2142(6) Fundamentals of Literary Study, permission of the Honours chair or designate is required.

The following courses have additional prerequisites:

- ENGL-3101(6) Creative Writing: Fiction and Poetry
- ENGL-3112(6) Advanced Creative Writing
- ENGL-3160(3) Advanced Studies in Children's Cultural and Literary Texts

2000- and 3000-Level Courses

Students with the first-year prerequisite can take any courses with 2000- and 3000- numbers in the order most suitable to their programs. 3000-level courses DO NOT require 2000-level courses as prerequisites. (Courses with additional prerequisites are listed above).

4000-Level Courses

Minimum 3.0 GPA (B) in major courses (students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses). Permission of the department is required for each 4000-level course.

Theatre and Film Courses

A maximum of 6 credit hours of the following courses taught by the Department of Theatre and Film may be counted towards a major in English.

- THFM-2401(3) Theatre History I
- THFM-2402(3) Theatre History II
- THFM-2404(3) Aboriginal Identities in Theatre and Film
- THFM-2410(6) History of Film
- THFM-2611(3) Introduction to Screenwriting
- THFM-2701(3) Playwriting I
- THFM-3401(3) Theatre History III
- THFM-3402(3) Canadian Drama and Theatre

Rhetoric, Writing, and Communications Courses

A maximum of 6 credit hours of the following courses taught by the Department of Rhetoric, Writing, and Communications may be counted towards a major in English.

- RHET-2131(3) Professional Style and Editing
- RHET-2135(3) Rhetorical Criticism
- RHET-2136(3) Orality and Literacy
- RHET-2138(3) Modern Rhetorical Theory

Student Handbook

Students are encouraged to consult the English Department website: <http://english.uwinnipeg.ca>. It offers specific course synopses and a comprehensive list of additional information for planning a program of English studies.

COURSE LISTINGS

FIRST-YEAR GROUP

Only 6 credit hours in First-Year English can count towards a Major in English.

In order to offer students an interesting and useful introduction to university-level literary study, all sections of English I, English IA, and English IB follow the general guidelines listed in the course descriptions below. However, each section of courses is designed to meet the needs of a particular focus. Some sections concentrate on specific approaches or theories of literature (such as literary dialogues or reader-response

strategies); some deal with specific genres (such as poetry or short fiction); and some cover specific kinds of literature (such as popular literature or writing by women). Because the different sections are so different from each other in both content and methods, descriptions of the specific content of each of the sections of the course currently being offered. After reading these descriptions, students should try to select a section with a focus that interests them. For additional information on these sections and how to satisfy the first-year requirement, please see "Prerequisites" in the "General Information" section.

ENGL-1000(3) English IA
 ENGL-1001(6) English I
 ENGL-1003(3) English IB

UPPER-LEVEL COURSES

ENGL-2002(3) The Creative Process
 ENGL-2003(3) The Field of Children's Literature
 ENGL-2004(6) A History of Children's Literature
 ENGL-2102(3) Introduction to Creative Writing: Developing a Portfolio
 ENGL-2113(3) Picture Books for Children
 ENGL-2114(3) Fairy Tales and Culture
 ENGL-2142(6) Fundamentals of Literary Study
 ENGL-2145(6) Field of Cultural Studies
 ENGL-2180(6) Types of Popular Culture
 ENGL-2185(3) Literary Communities
 ENGL-2202(3) Literature of the Sixteenth Century
 ENGL-2203(3) Literature of the Seventeenth Century
 ENGL-2211(6) Neoclassical and Romantic Literature
 ENGL-2221(6) The Age of Chaucer
 ENGL-2311(6) Shakespeare
 ENGL-2401(6) Tragedy and Comedy in Drama
 ENGL-2601(6) The Novel
 ENGL-2603(3) Short Fiction
 ENGL-2604(3) Poetry and Poetic Form
 ENGL-2612(3) Science Fiction
 ENGL-2722(6) Postcolonial Literatures: An Introduction
 ENGL-2802(3)/ SYNTAX
 LING-2003(3)
 ENGL-2803(3)/ PHONETICS AND PHONOLOGY
 LING-2001(3)
 ENGL-2804(3)/ VARIETIES OF ENGLISH
 LING-2101(3)
 ENGL-2805(3)/ MORPHOLOGY
 LING-2002(3)
 ENGL-2806(3)/ SEMANTICS: PHILOSOPHICAL FOUNDATIONS
 LING-2004(3)
 ENGL-2902(3) Women Writers Before 1900
 ENGL-2912(3) Women Writers After 1900
 ENGL-2922(3) Topics in Women Writers
 ENGL-3101(6) Creative Writing: Fiction and Poetry
 ENGL-3112(6) Advanced Creative Writing
 ENGL-3113(3) Creative Writing: Fiction
 ENGL-3114(3) Creative Writing: Poetry
 ENGL-3115(3) Creative Writing: Writing for Children
 ENGL-3116(3) Workshop in Creative Writing
 ENGL-3117(6) Poetry for Young People
 ENGL-3118(3) Topics in Fiction for Young People
 ENGL-3119(3) Canadian Children's Literatures and Cultures
 ENGL-3120(6) Practicum in Literature, Literacy and Language
 ENGL-3122(3) Special Studies I
 ENGL-3131(6) Special Studies II
 ENGL-3151(6) Critical Theory: An Introduction
 ENGL-3160(3) Advanced Studies in Children's Cultural and Literary Texts
 ENGL-3169(3) Films for Young People

ENGL-3190(6) Literature and Film
 ENGL-3210(6) Romantic Literature and Culture
 ENGL-3211(6) Victorian and Edwardian Literature
 ENGL-3222(6) Modernism
 ENGL-3225(6) Contemporary British Literature and Culture
 ENGL-3401(6) Modern Drama
 ENGL-3710(6) Canadian Literature and Culture to 1914
 ENGL-3713(6) Contexts in Canadian Literature
 ENGL-3714(3) Literature of Winnipeg
 ENGL-3715(6) Diasporic Literatures and Cultures in Canada
 ENGL-3716(6) Canadian Literature and Culture after 1914
 ENGL-3717(6) Aboriginal Literatures
 ENGL-3719(3) Literature of Manitoba
 ENGL-3720(6) American Literature and Culture to 1914
 ENGL-3721(6) American Literature and Culture after 1914
 ENGL/CLAS-3752(3) The History of Greek Literature
 ENGL/CLAS-3753(3) The History of Latin Literature
 ENGL-3800(6)/ Stylistics
 LING-3001(6) Textual Analysis
 ENGL-3812(6) A History of the English Language
 ENGL-3901(6) Twentieth-Century Gay and Lesbian Literature
 ENGL-3951(3) Topics in Feminist Theory

HONOURS COURSES

ENGL-4001(3) Tutorial Honours Paper and Oral Examination
 ENGL-4103(3) Research Apprenticeship
 ENGL-4104(3) Tutorial Apprenticeship in English
 ENGL-4110(6) Critical Theory
 ENGL-4122(3) Special Studies I
 ENGL-4131(6) Special Studies II
 ENGL-4211(6) The Romantic Movement in English Literature
 ENGL-4242(6) Medieval Literature 1350-1500
 ENGL-4251(6) Sixteenth-Century Literature
 ENGL-4261(6) Seventeenth-Century Literature
 ENGL-4270(6) Eighteen-Century Studies
 ENGL-4281(6) Victorian and Edwardian Studies 1837-1910
 ENGL-4285(6) Topics in Modernism
 ENGL-4292(6) Literature in the British Isles Since 1945
 ENGL-4301(6) Chaucer
 ENGL-4311(6) Topics in Shakespeare
 ENGL-4341(3) Individual Author I
 ENGL-4342(3) Individual Author II
 ENGL-4442(6) Topics in Drama and Dramatic Theory
 ENGL-4710(6) Topics in Canadian Literature
 ENGL-4720(6) Topics in American Literature
 ENGL-4730(3) Topics in Postcolonial Studies I
 ENGL-4731(3) Topics in Postcolonial Studies II
 ENGL-4823(3) Old English Language
 ENGL-4841(3) Old English Literature
 ENGL-4901(6) Topics in Gender, Literature and Culture

COURSE DESCRIPTIONS

ENGL-1000(3) ENGLISH IA (Le3) This course offers a general introduction to literary study. Each section of English 1A is a uniquely designed introduction to university-level literary study. All sections include some introduction to the following: the reading of creative literature (poetry, fiction, or drama); the theory and practice of literary criticism; the role of historical and cultural factors that influence the creation and reception of literary texts; and research skills. In addition, students' writing, including essays and reports, receives significant attention. Because English 1A varies significantly from section to section, and the sections offered change from year to year, **each section is unique.**

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change from year to year, ~~as~~ ~~de~~ ea ,

explores the history, specific characteristics, and possible cultural significance of a number of different types of popular literature, such as romance, horror, and mystery, in order to help students to develop analytical tools for reading and thinking about such texts. In addition to written texts, some attention will be paid to movie and TV versions of popular formulas.

PREREQUISITE: 6 credit hours of First-Year English.

ENGL-2185(3) LITERARY COMMUNITIES (Le3) Literary communities provide significant contexts for the writing and study of literature. This course explores the literary works, interrelated biographies, and historical/cultural contexts of communities of writers. This approach provi -168.084426815d 5.95d ()T027448l204 6815d L145d'

units of meaning), their different types and functions, and the different ways they are organized into words. The course explores the process of word formation through derivation and compounding as well as grammatical uses of inflectional morphemes. Based largely in English, both lectures and exercises also draw on various other languages to highlight key morphological features and constructs.

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ENGL-3118(3) TOPICS IN FICTION FOR YOUNG PEOPLE

(Le3) This course examines varieties of narratives produced for children and adolescents from the end of the 19th century to the present. Students explore narrative structures and strategies, as well as theories of children's literature. Topics may include regional literature; global fiction in English for young people; canonical texts and texts that resist mainstream cultures; writing by young people; the forms, production, and reception of narrative; girls' books and boys' books; fantasy; and coming-of-age narratives.

and other cultural forms, such as painting, film, architecture,
and music.

PREREQUISITE: 6 credit hours of F

ENGL-4122(3) SPECIAL STUDIES I (S3) Students
int

ENGL-4342(3) INDIVIDUAL AUTHOR II (S3) Like ENGL-4341(3) Individual Author I, this course offers students the opportunity for intensive study of an author on whose work there is a significant body of criticism. Each time the course is offered the name of the author will be listed in the *Timetable*.

PREREQUISITES: 6 credit hours of First-Year English.

COREQUISITES: ENGL-2142(6).

ENGL-4442(6) TOPICS IN DRAMA AND DRAMATIC

THEORY (S3) This course provides a critical study of an area of drama in relation to theories of dramatic form, performance, and ideology. It may, for instance, in one year involve the study of the

ENVIRONMENTAL STUDIES (ENV)

Note: The department/program code ENV replaces the former code 84. Students cannot hold credit in ENV-xxxx and the former 84.xxxx having the same course number (e.g., ENV-1600(3) and 84.1600(3)).

Acting Director: R. Westwood; Faculty: A. Diduck, M. Mehta, J. Tardif, R. Westwood, C. Wong. Program Advisors: Ecology, E. Byard; Forestry, J. Tardif, R. Westwood; Sustainability, A. Diduck, J. Harris; Global Issues, B. Rannie; Environmental Chemistry, D. Vanderwel; Urban, J. Distasio; GIS, E. Cloutis; Social Environment, J. Novek; Economics, S. Baksi; Climate Change, D. Blair; Politics, K. Gibbons.

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

4-Year BSc

4-Year BSc (UW/RRC)

INTRODUCTION

Founded in 1970, the Environmental Studies Program was one of the first interdisciplinary undergraduate environment programs in Canada, and one of the first few to emerge worldwide. Following the general principles of sustainability, the Program takes an integrated yet practical approach to human-environmental interactions and resource and environmental problems. The mission of the Program is to maintain and restore the health of the ecosphere and its people by i) educating and training the environmental leaders of tomorrow, ii) creating and disseminating knowledge and ideas.

one of:

- POL-2505(3)** Issues in City Politics
- POL-3450(3)** Sustainability and Environmental Politics

one of:

- ECON-3305(3)** Economic Development*

- ECON-3306(3)** International Aspects of Economic Development*

- IDS-3111(3)** An Analysis of Development Aid Policies*
- IDS-3110(3)** Poverty-Focused Development*

9 credit hours from among:

- ECON-2311(3)** Economics of Natural Resource Extraction

- ECON-2318(3)** Energy Economics

- GEOG 2204(0)** Human Impact on the Environment

- PLG 2401(0)** Regional Geography

- PLG 2408(0)** Environmental Perception and Human

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GENERAL DEGREE REQUIREMENT

| | |
|-------------------------------|---|
| Humanities: | 12 credit hours |
| Science: | 6 credit hours |
| Social Science: | 12 credit hours |
| Writing: | Minimum 3 credit hours of Academic Writing. RHET-1105(3) Academic Writing: Links with the Disciplines, Environmental Studies, is recommended. |
| Maximum Introductory Courses: | Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level. |
| Distribution: | Minimum three (3) credit hours from each of five (5) different subjects. |
| 4000-Level Courses: | Minimum 3.0 GPA (B) in major courses (students lacking the requisite 3.0 GPA should consult the department concerned regarding eligibility to take 4000-level courses). Permission of department |

MAJOR REQUIREMENT

| | |
|-----------------|---|
| Single Major: | Issues in Sustainability, 72 credit hours; Urban Environments, 72 credit hours. |
| Double Major: | The student must meet both the requirements of Environmental Studies and those of the second Major Department. A course listed by both Departments counts towards both Majors (unless it is clearly stated otherwise in that discipline's section of the Calendar). |
| Combined Major: | Minimum 60 credit hours from (01.0841(c)-8.44093(r)-34.3406()86.12989(1(2.6-3129455-6.4.3406()278 Td [(6. |

ENV-3035(3) Law and the Environment
ENV-4611(6) Environmental Impact Assessment

3 credit hours from among:

GEOG-2309(3) Statistical Techniques in Environmental Analysis
STAT-1201(6) Introduction to Statistical Analysis
STAT-1501(3) Elementary Biological Statistics I

CHEMISTRY

REL-2801(3)

CHEM-2302(3) Quantitative Chemical Analysis
CHEM-3302(3) Methods of Chemical Analysis
ECON-2317(3) Environmental Economics
PHIL-2233(3) Environmental Ethics
ENV-2603(3) Environmental Sustainability: A Global Dilemma
ENV-3035(3) Law and the Environment

3 credit hours Humanities

3 credit hours from among: **GEOG-2309(3)** Statistical Techniques in Environmental Analysis
STAT-1201(6) Introduction to Statistical Analysis
STAT-1501(3) Elementary Biological Statistics I
3 credit hours from among: **BIOL-3492(3)** Quantitative and Theoretical Biology
CHEM-2701(3) Introduction to Computers in Chemistry
ACS-1453(3) Introduction to Computers

COURSE DESCRIPTIONS

ENV-1600(3) HUMAN-ENVIRONMENTAL INTERACTIONS (Le3)

This course deals with a variety of topics which illustrate the complexity and diversity of environmental issues. The central theme is "understanding natural processes in the environment" as a means of measuring human impact. Topics dealt with reflect current environmental concerns—for example, global warming, overexploitation, wildlife management, urban issues, health issues.

RESTRICTIONS: Svthsueth rra "undeerths62(r)41.8(f)-6.12989ourmedeeronffif ffrer: S

A high level of student participation is expected.

PREREQUISITES: One of GEOG-2404(6), POL-2325(6), POL-3328(6), or permission of instructor.

ENV-3020(3) WOMEN AND URBAN ENVIRONMENTS (Le3) This course examines women's historical contributions to the design of human environments (human ecology), feminist utopias (e.g., Charlotte Perkins Gilman's *Herland*), modern feminist thought on urban design, and ecofeminism, in order to illustrate how gender informs human perceptions of place and space. The course is designed to serve students with an interest in urban studies, women's studies, and environmental studies. A high level of student participation is required.

ENV-3025(3) ISSUES IN SUSTAINABLE CITIES (Le3) This course addresses issues of sustainable urban development. Topics may include the following: world population growth and urbanization in developed and developing countries; the impact of technology, trade, and commercial globalization on urban environments; the degradation of land, water, and air inside of cities and in their bio-regions; the consumption of fossil fuels and the local and global impact of their combustion; the politics of sustainable urban development; the role of planning and urban administrative practices and policies in environmental degradation and mitigation; and the place of local environmental initiatives in national environmental actions.

COREQUISITES

Environmental Studies.

ENV-4613(3) DIRECTED STUDIES IN ENVIRONMENTAL STUDIES

(Le3) This course allows students to undertake research in their areas of interest. The research may take the form of a literature review, may be experimental in nature or involve analysis of existing data. Evaluation is based on a written submission summarizing the student's findings. Permission to enrol is dependent on the availability of an instructor in th is8.12898(i)-22.31286(nf12918()23.7784(eTJ -190.326 -l.31286.317992.6962(ed5.9466(i)-2.31286(n(a)2.6962(r)4.008)4.0

FRENCH STUDIES (FREN)

Note:

Prescribed Courses: 6 credit hours at the 2000-level.
3 credit hours at the 3000-level.

Restrictions:

GENERAL DEGREE REQUIREMENT

The number of students who can participate in the Third-Year Abroad Program is limited. Priority will be given to students from the University of Winnipeg who show evidence of acceptable academic ability, and who have completed the following prerequisite courses: **FREN-2109(3), FREN-2110(3)**, as well as **any course in literature at the 2000-level**.

For further information, students should contact the Department Chair.

COURSE LISTING8b1833S 4093()-6.12989(s)-8.44093(h

FRENCH STUDIES ENTRANCE COURSES

(For detailed information, see course descriptions.)

| STUDENT BACKGROUND | APPROPRIATE COURSE |
|---|--|
| Has NEVER studied French or has not studied it beyond the early years of elementary school | FREN-0002(3) Preparatory French |
| Studied French but did NOT complete French 40S | FREN-1001(6) Introductory French |
| Enrolled in an Immersion program in high school but did NOT complete Français 40S | FREN-1111(6) Practical Language Skills |
| Completed French 40S | FREN-1111(6) Practical Language Skills |
| Student who received standing in French 40S more than five years ago, and did not continue studying French may request permission | FREN-1111(6) Practical Language Skills |
| | |
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| | |

FREN-2110(3) INTERMEDIATE WRITTEN EXPRESSION

(Le3,La1) This course is designed primarily to improve students' written expression in French; oral expression will also receive attention. Students are introduced to the major aspects of the writing process, specific writing techniques (*description, narration, argumentation*), and grammatical and stylistic editing. Model texts will be presented and assignments will focus on selected prose genres (e.g. *composition, correspondance, contraction de texte*). Individual work and small-group activities will consist of writing sentences, paragraphs, and compositions. The oral expression component will consist of one hour of *travaux pratiques* (e.g., *exposés, débats, tables rondes*) per week.

PREREQUISITES: FREN-2109(3) or permission of instructor.

RESTRICTIONS: Students who have obtained credit in the former FREN-2111(6) are not permitted to take this course.

linguistic concepts presented.

FREN-3111(6) COMPARATIVE STYLISTICS AND TRANSLATION (Le3) In this course, French is studied by being contrasted with English. After an introduction to sentence segmentation ("translation units"), divergences occurring at several linguistic levels are examined: the *lexical level* (e.g. semantic values, stylistic variants, linguistic interference); the *grammatical and syntactic levels* (e.g. gender, modifiers, modal auxiliaries, word order); and the *pragmatic level* (e.g. discourse structure, register, style).

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discursive diversity of the contemporary francophone novel of
Canada from the liberating influence of Québec's *révolution*
tranquille of the 1960s and the emergence of the Acadian novel
to the unique contribution of Western Canadian writers and *les*
écrivains migrants. The novels of writers such as Marie-().31286(u)2.6962(e)2.6962(n)2.6962(c)-8.435uahvuaTh7316.12989()-62898(m)10.521(i)-2.36962

FREN-4932(3) LITERARY THEORY AND RESEARCH

METHODS (Le3, S3) In this seminar, students will explore the richness of twentieth-century literary theory. Cri

GEOGRAPHY (GEOG)

Note:

GEOG-3509(3) Canada's Physical and Human Environments
GEOG-3510(3) Prairie Landscapes
GEOG-3511(3) Topical Regions in Geography

Systematic Human Geography Requirement (6 credit hours)
Minimum of 6 credit hours in Systematic Human Geography

Electives (6 credit hours)
Minimum 6 additional credit hours from any area of Geography

Combined Major: Minimum 48 credit hours from 2 different Majors with not less than 18 credit hours from each major subject.

Prescribed Courses:

GEOG-1102(3) Introductory Human Geography I: People, Culture and Environment
GEOG-1103(3) Introductory Human Geography II: Population, Place and Development
GEOG-1201(3) Introductory Atmospheric Science
GEOG-1202(3) Introductory Earth Science
6 additional credit hours from the Systematic Human Geography Group

The following courses do not qualify:

ACS-1453(3) Introduction to Computers
ACS-1803(3) Introduction to Computer-based Systems
BIOL-1102(6) Biology and Human Concerns
BIOL-1103(6) Human Biology
BIOL-1106(3) Environmental Biology
CHEM-2801(3) Chemistry and Society
MATH-0001(6) Basic Mathematics

MATH-0005(3) Introductory Mathematics
MATH-2901(3) History of Calculus
MULT-1005(6) Concepts in Science
PHYS-1501(6) Modern Technology
PHYS-1701(6) Astronomy
PHYS-2705(6) Cosmology: Science Fact to Science Fiction

Combined Major: Minimum 48 credit hours from 2 different Majors with not less than 18 credit hours from each major subject.

Prescribed Courses:

GEOG-1102(3) Introductory Human Geography I: People, Culture and Environment
GEOG-1103(3) Introductory Human Geography II: Population, Place and Development
GEOG-1201(3) Introductory Atmospheric Science
GEOG-1202(3) Introductory Earth Science
6 additional credit hours from the Physical Geography Group

REQUIREMENTS FOR A 4-YEAR BA IN GEOGRAPHY

| | |
|-----------------------------------|--|
| ADMISSION REQUIREMENT | Students must consult with the Department Advisor in planning their studies. |
| GRADUATION REQUIREMENT | 120 credit hours |
| RESIDENCE REQUIREMENT | |
| Degree: | Minimum 60 credit hours |
| Major: | Minimum 30 credit hours |
| GENERAL DEGREE REQUIREMENT | |
| Humanities: | 12 credit hours |
| Science: | 6 credit hours |
| Social Science: | 12 credit hours |
| Writing: | Minimum 3 credit hours of Academic Writing. |
| Maximum Introductory Courses: | Students may use a maximum of 42 credit hours at the 1000 level. Of these |

Other Requirements

Students must complete 48 credit hours in Geography. Overall minimum of 12 credit hours in r642(h)-5.7040ed.C4985888(a)-5.70406(p)-5.70C406(d)-5.70

The following courses do not qualify:

ACS-1453(3) Introduction to Computers
ACS-1803(3) Introduction to Computer-based Systems
BIOL-1102(6) Biology and Human Concerns
BIOL-1103(6) Human Biology
BIOL-1106(3) Environmental Biology
CHEM-2801(3) Chemistry and Society
MATH-0001(6) Basic Mathematics

MATH-0005(3) Introductory Mathematics
MATH-2901(3) History of Calculus
MULT-1005(6) Concepts in Science
PHYS-1501(6) Modern Technology
PHYS-1701(6) Astronomy
PHYS-2705(6) Cosmology: Science Fact to Science Fiction

Combined Major: Minimum 60 credit hours from 2 different Majors with not less than 24 credit hours from each major subject.

Prescribed Courses:

GEOG-1102(3) Introductory Human Geography I: People, Culture and Environment
GEOG-1103(3) Introductory Human Geography II: Population, Place and Development
GEOG-1201(3) Introductory Atmospheric Science
GEOG-1202(3) Introductory Earth Science
6 additional credit hours from the Physical Geography Group

REQUIREMENTS FOR AN HONOURS BA IN GEOGRAPHY

ADMISSION REQUIREMENT

Entry into 6(t)4.73856(i)-5.71796(o)-5.70406(n)-5.7046291m.9668.5.780406(r)-0.985888(a)-5(E)-0.971064 .73856(i)-5.13s()-2.53658(l)-2.53655(E)-0.971064

Technique Requirement (9 credit hours)

GEOG-2304(3) Computer Mapping

GEOG-2309(3) Statistical Techniques in Environmental Analysis

GEOG-3302(3) Principles of Geographic Information Systems

Thesis Requirement (6 credit hours)

GEOG-4901(6) Honours Geography Thesis - 6 credit hours with a prerequisite of GEOG-2309(3) (Statistical Techniques), 36 credit hours completed in Geography, and a Geography GPA of 3.0.

Other Requirements

Students must complete 54 credit hours in Geography.

Minimum 21 credit hours in upper level (3000 and 4000) Honours subject courses of which a minimum of 15 credit hours (including the thesis) must be at the 4000 level.

Average of 2.5 GPA in non-Geography courses and 3.00 GPA on all attempts in Geography courses (exit requirement).

REQUIREMENTS FOR AN HONOURS BSc IN GEOGRAPHY

ADMISSION REQUIREMENT

Entry into the program after completing a minimum of 30 credit hours.

Entry, continuing and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.75 in Non-Honours Subject courses.

The minimum 3.0 GPA (B) will be based on all attempt

Thesis Requirement (6 credit hours)

GEOG-4901(6) Honours Geography Thesis - 6 credit hours with a prerequisite of GEOG-2309(3) (Statistical Techniques), 36 credit hours completed in Geography, and a Geography GPA of 3.0.

INTRODUCTORY AND GENERAL

of major geological structures as they typically appear on maps and air photos.

PREREQUISITE: GEOG-2215(3).

RESTRICTIONS: Students with standing in the former GEOG-2202(6) may not receive credit for GEOG-2216(3).

GEOG-2218(3) FLUVIAL AND HILLSLOPE PROCESSES

(Le3,La2) This course examines geomorphic processes operating in rivers and on slopes. Among the topics discussed are the factors which influence the stability and form of slopes, the characteristics of watersheds and stream networks, the factors which govern the forms, patterns adjustments and long profiles of river channels, the transport of sediment in fluvial systems, the depositional features produced by streams, and the evolution of entire landscapes, with emphasis

resources from surrounding areas and create great

meetings throughout the academic year and make an oral presentation of the results of their research in April.
PREREQUISITES: GEOG-2309(3) (Statistical Techniques), 36 credit hours completed in Geography, Geography GPA of 3.0, and permission of Chair.

GERMAN-CANADIAN STUDIES (GCS)

Note:

**HIST-4560(6) TOPICS IN THE GERMAN-CANADIAN PRESENCE
IN CANADIAN HISTORY (S3)** In this course, students will
undertake research on a variety of specialized subjects relating j

Combined Major: Minimum 48 credit hours from two (2) different Major subjects with not less than 18 credit hours from each Major subject.
Required Courses:
GERM-2109(3) Normative Grammar

REQUIREMENTS FOR A 4-YEAR BA IN GERMAN STUDIES

ADMISSION REQUIREMENT Students must consult with the Department Advisor in planning their studies. Students must have completed at least 30 credit hours in German Studies.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT
Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT
Humanities: 12 credit hours
Science: 6 credit hours
Social Science: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT
Single Major: Minimum 48 credit hours/Maximum 66 credit hours.
Double Major: Minimum 48 credit hours in each Major subject as specified by the department/program.
Required courses:
GERM-2109(3) Normative Grammar
Minimum of 12 credit hours in German Studies at the 3000 level

Combined Major: Minimum 60 credit hours from two (2) different Major subjects with not less than 24 credit hours from each Major subject.
Required Courses:
GERM-2109(3) Normative Grammar
Minimum of 3 credit hours in German Studies at the 3000 level

COURSE LISTINGS

Students are advised to consult the appropriate Timetable available from the Records Office for courses available during the current term.

Note: All German Studies courses may be used to fulfill the Humanities Requirement.

Note: All students registering for their first German Studies course must consult a department advisor.

Note: GERM-2101(3), GERM-2102(3), GERM-2303(3), and GERM-2906(3) are given in English. GERM-1001(6) and GERM-2001(6) are given in German as much as possible. All other courses are given in German.

Language and Linguistics Courses

GERM-1001(6) Introductory German
GERM-2001(6) Intermediate German
GERM-2109(3) Normative Grammar
GERM-2110(3) Intermediate Written Expression
GERM-2114(3) English-German Translation
GERM-2115(3) German-English Translation
GERM-2202(3) German Phonetics
GERM-3401(3) Business German
GERM-3403(3) German Lexicology
GERM-3404(3) History of the German Language

Culture and Literature Courses

GERM-3101(3) Studies in German Culture I
GERM-3102(3) Studies in German Culture II
GERM-2209(3) Introduction to German Literature
GERM-2386(3) Contemporary German Cinema

GERM-2209(3) INTRODUCTION TO GERMAN LITERATURE

(Le3) This survey of representative poems, short stories, and dramatic texts introduces students to significant authors of German literature since the 18th century such as Schiller, Goethe, Rilke, Kafka, Frisch, and Bachmann. It also introduces them to the study of literature: how to read, discuss, and interpret literary texts.

PREREQUISITES: GERM-2001(6) or the former GERM-2201(6), AP German Language, the International Baccalaureate in German, or the *Deutsches Sprachdiplom 2*.

RESTRICTIONS: Students may not receive credit for both GERM-2209 and the former GERM-2207.

GERM-2303(3) THE CHILD IN EUROPE (Le3) Lectures and discussions examine from several disciplinary perspectives conceptions of the child and of childhood in Europe from ancient times to the present. With contributions from such fields as Art History, Classics, English, French, German, History, and Women's Studies, the course explores Europeans' definitions of children and childhood and their understandings of children in relation to the family, society, class, gender, religion, and work. We examine typical images of childhood in European literature and art, the connections between these images and actual practices, and the continuing impact of these ideas and practices.

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HISTORY (HIST)

Updated Aug. 26/09

Note: The department/program code HIST replaces the former code 29. Students cannot hold credit in HIST-xxxx and the former 29.xxxx having the same course number (e.g., HIST-1010(6) and 29.1010(6)).

Chair: Professor G. Burbank; Professors: J.S.H. Brown, G. Burbank, D.G. Burley, R.K. Loewen, A.R. McCormack, J.N. Reilly, D.R. Topper, Associate Professors: D. Abreu-Ferreira, A. Freund, J. Hanley, C. Majzels, M. Meuwese; Assistant Professors: E. Alexander-Mudaliar, R. Bohr, A-L. Caudano, S. Keshavjee, M. McCallum, A. Seyhun, E. Sibanda, S. Wall, J. Yaremko and A. Zayarnyuk.

DEGREES/PROGRAMS OFFERED

**3-Year BA
4-Year BA
Honours BA**

INTRODUCTION

The study of History deals with the past—it interprets human affairs and institutions as they change in time. The University of Winnipeg's History Department offers courses which are designed to lead students, in stages, to an understanding of the historian's craft and of the historical process.

The History Department's program of studies is organized into four levels of study that provide a natural progression from generalized to specialized study in a chosen area of interest.

The 1000-level course is intended to introduce students to the discipline and the skills necessary for the study of history. Courses numbered 2000 are broad surveys and provide a general examination of the major themes in a number of different areas of study including world history, national histories, the history of science and the history of art. Courses at the 3000 level pursue, in more detail, one or more of the themes explored in the general surveys. Their purpose is to provide the student with deeper insight into the processes of historical thought, research and writing. They also promote small group discussion and permit the student to present his/her work orally to fellow students. Courses at the 4000 level are Honours seminars. In small groups, students examine the relevant literature on historical issues and present their own research to the seminar for discussion.

Most graduates with degrees in history find that the skills they have developed—critical analysis, writing reports, and small group discussion—serve them well in the worlds of government, business and law. Some history graduates pursue a career in teaching. Others find career opportunities in libraries, archives and museums.

REQUIREMENTS FOR A 3-YEAR BA IN HISTORY

ADMISSION REQUIREMENT Students must consult with a member of the Department in planning their course of study.

GRADUATION REQUIREMENT 90 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 30 credit hours
Major: Minimum 18 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
Science: 6 credit hours in Science

Writing:

Minimum 3 credit hours of Academic Writing.

Maximum Introductory Courses:

Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of

HIST-1010(6) Modern Imperialism
 HIST-1010(6) Aboriginal Peoples of the Americas
 HIST-1010(6) Leaders and Followers in American History
 HIST-1010(6) Europe in Conflict, 1789-1945
 HIST-1010(6) Social and Political Ideas in European History
 HIST-1010(6) Topics in Western Canadian History
 HIST-1010(6) Women and Gender
 HIST/MENN-1010(6) Mennonites and the Modern World
 HIST-1010(6) Issues in Latin American History
 HIST-1010(6) Science and Society
 HIST-1010(6) World History
 HIST-1010(6) Canadian Issues: Cartier to Chrétien
 HIST-1010(6) Canadian Politics and Constitution
 HIST-1010(6) Art and History
 HIST-1010(6) Latin American Social History
 HIST-1010(6) Islamic World
 HIST-1010(6) Medieval World
 HIST-1010(6) African Kingdom
 HIST-1010(6) Spanish American Political Culture

HIST-2503(3) Survey History of Canada: The Colonial Era, 1500-1867
 HIST-2504(3) Survey History of Canada: The National Era, 1867-1939
 HIST-2505(3) Survey History of Canada: The Modern Era, 1939 to the Present
 HIST-2506(3) History of the Canadian North
 HIST-2509(6) History of the Aboriginal Peoples of Canada
 HIST-2510(3) Aboriginal Peoples of Canada to 1815
 HIST-2511(3) Aboriginal Peoples of Canada since 1815
 HIST-2514(3) History of Canadian Education
 HIST-2521(3) Canadians at Wo

GROUP II

CLASSICS: One of the following courses--**HIST-2096(6)**, **HIST-2104(6)**, or **HIST-2105(6)**--cross-listed with the Classics Department will be accepted as a part of a History Major with credit being given in the world (1) area of specialization in History.

HIST/CLAS-2096(6) The History of Ancient Rome
 HIST-2104(6)/ Ancient Greek History
 CLAS-2091(6)
 HIST-2105(6)/ Alexander the Great and the Hellenistic World
 CLAS-2092(6)
 HIST-2108(3)/ Mennonite Studies I
 MENN-2101(3)
 HIST-2109(3)/ Mennonite Studies II
 MENN-2102(3)
 HIST-2110(6) The Twentieth Century World
 HIST-2112(6) War as a Social Institution
 HIST-2113(6) A History of Slavery
 HIST-2115(3) Modern Jewish History
 HIST-2116(6) Survey History of Latin America
 HIST-2117(3) History of Brazil
 HIST-2120(3) The History of Modern Business Enterprise
 HIST/IDS-2130(6) History of the Developing World
 HIST/MENN-2131(3) History of Peace and Nonviolence
 HIST-2170(6) Islam and the West
 HIST-2211(3) Europe in the Middle Ages 300-1350
 HIST-2212(3) Europe between the Medieval and Modern Worlds 1350-1650
 HIST-2213(3) Women in Pre-Industrial Europe
 HIST-2214(6) Europe in the Middle Ages
 HIST-2215(3) History of the Byzantine Empire
 HIST-2226(3) The History of Sexuality from Antiquity to the Middle Ages
 HIST/GERM-2303(3) The Child in Europe
 HIST-2313(6) Modern European Society
 HIST-2316(6) History of Britain from 1485
 HIST-2320(3) History of Poland and Ukraine
 HIST-2323(3)/ Studies in German Culture I
 GERM-2101(3)
 HIST-2324(3)/ Studies in German Culture II
 GERM-2102(3)
 HIST-2325(3) Russia to 1917
 HIST-2326(3) Russia since 1917
 HIST-2327(3) The History of Sexuality from the Renaissance to the Present
 HIST-2328(3) Anti-Semitism and the Holocaust
 HIST-2329(3) Women in Modern Europe
 HIST-2330(3) Europe since 1945
 HIST/GERM-2331(3) History of Modern Germany
 HIST-2500(6) History of Canada to 1939

HIST-3527(6) History of the Algonquian Nations
HIST/ANTH-3528(3) History of Eastern and Subarctic Algonquian Peoples
HIST-3532(3)/ ANTH-3128(3) History of the Iroquoian Peoples
HIST-3540(6) Critical Issues in the History of Canadian Politics, Nationalism, & International Relations
HIST/MENN-3541(3) Mennonites in Canada
HIST-3542(6) Gender, Class, and Ethnicity in Canadian History
HIST-3543(6) Immigration to Canada
HIST-3544(6) History of Winnipeg
HIST-3545(6) Historical Perspectives on Women in Canada
HIST-3546(3) The State and Enterprise: Historical Studies in Government Regulation of Business in Canada
HIST-3547(3) Quebec Since 1830: Rebellions, Revolutions and Referenda
HIST-3548(6) Alternative Visions: Rebels and Revolutionaries in Canadian History
HIST-3552(6) Regionalism and the History of the Canadian West
HIST-3560(6) The German-Canadian Presence in Canadian
HIST-3561(3) German-Canadian Identity - Historical Perspectives
HIST-3603(3) United States, 1878-1929
HIST-3604(3) United States, 1929-1988
HIST-3609(6) History of Native American Peoples of the U.S.

obtain a list of sections in any particular year from the Department Secretary. Examples of sections taught in previous years are as follows:

HIST-1010(6) ART AND IDEAS (Le3) This course is concerned with the general topic of the relationship between art history and other facets of social, cultural and intellectual history. Specifically it focuses upon the art of Vincent Van Gogh and Kathe Kollwitz, among other artists. Issues dealt with are the use of visual and literary sources, the role of biography in art history, and the artist's place in society.

HIST-1010(6) CANADIAN IMMIGRATION AND SETTLEMENT (Le3) This section traces the development of modern Canada through immigration. We will examine the provincial and federal policies that determined the immigration and settlement process and explore the social, economic, cultural, and international factors that shaped the experiences of immigrants.

HIST-1010(6) ANCIENT AND MODERN CONFLICTS (Le3) This section will study the Peloponnesian War and classical Athens, seeking to explore both the difficulties and the rewards of historical interpretation. How we discover historical facts and make historical judgments will be further explored in selected studies of modern historical events, such as the American Civil War, the Russian Revolution, the beginning of the Pacific War in 1941, or the origins of the Cold War.

HIST-1010(6) CANADA IN THE CONTEMPORARY WORLD (Le3) This section will focus upon selected topics in the history of Canadian external relations. We will concentrate on Canada's relations with her North Atlantic and Pacific neighbours, her participation in two World Wars and several military and economic alliances.

HIST-1010(6) ISSUES IN THE HISTORY OF WOMEN IN CANADA (Le3) This course will examine the political, economic, and social roles of women during four centuries of Canada's history. Special attention will be paid to the experiences of women from a variety of ethnic backgrounds and social classes throughout Canada.

HIST-1010(6) EUROPE: FAMOUS ISSUES AND CONTROVERSIES, ANCIENT TO MODERN (Le3) This section will deal with certain major historical issues from European civilization. For example, the concept of Imperialism will be treated through Ancient Rome, that of Great Men through the Reformation controversy, that of Revolution through eighteenth-century France, and that of class conflict through industrializing Europe.

HIST-1010(6) CANADIAN SOCIAL HISTORY: CONFLICT AND CHANGE (Le3) This section will cover selected themes in modern Canadian social history. Among the subjects covered will be classes and ethnic groups, sex roles, urban development, and the lives and organizations of working people. Particular attention will be paid to the Winnipeg General Strike.

HIST-1010(6) MAIN THEMES IN RECENT WESTERN CIVILIZATIONS (Le3) This section will focus upon the dominant forces shaping modern Europe, including revolution, industrialism, nationalism, liberalism, Marxism, and other dominant ideologies.

HIST-1010(6) MODERN IMPERIALISM (Le3) This section will focus on the major empires of modern times from the late nineteenth century to the present. Emphasis will be placed on the role of imperialism in the development of modern nations.

HIST-1010(6) MN THEMES IN

course will explore the evolution of Canada's political culture and constitutional settlement.

HIST-1010(6) ART AND HISTORY (Le3) This course will consider the relationship between art and its historical contexts, discussing both the art works' conditions of production and their subsequent interpretations. Visual art (which may include traditional forms such as painting and sculpture, and other media such as photography, dance, film and television) will be investigated as historical evidence, human expression and political discourse. Questions of gender and race will be addressed. Field trips to local exhibitions and architectural sites will be arranged during class time.

HIST-1010(6) LATIN AMERICAN SOCIAL HISTORY (Le3)

The social history of Latin America has been shaped by forces such as economic dev

developments in Brazil from the early colonial period to the present. Topics include indigenous peoples and their interactions with Europeans, Portuguese colonization, sugar and slavery, the gold rush, the exiled Portuguese monarchy, coffee economy and society, slave emancipation, industrialization and urban growth, changes in the Amazon region, and cultural developments such as samba and soccer.

HIST-2120(3) THE HISTORY OF MODERN BUSINESS

ENTERPRISE (Le3) This course will study those innovations in management, practice, and organization which have facilitated the emergence of the modern business corporation. Beginning with a discussion of traditional forms of production and commerce, the course will examine the challenges that long-distance trade presented for managing commercial operations from the sixteenth through the eighteenth centuries. Of central importance in the course will be the development of the railroad in the nineteenth century, with its decentralized organization and its complex accounting systems, as the first modern corporation. Then, the spread of more complex organizations will be followed into mass production and mass distribution and the development of stock markets from the late nineteenth through the early twentieth centuries. The focus will be upon Canadian and American business, though where appropriate, reference will be made to European experiences.

HIST-2130(6) A HISTORY OF THE DEVELOPING WORLD

(Le2, S1) This course examines the historical roots of development and underdevelopment, processes that have led to the emergence of the developing world or Third World as a distinctive, though diverse region. It surveys trends such as colonization, industrialization, militarization and trade in the Africa, Asia and Latin America from the 15th to the 20th century. It investigates the ways in which both external pressures and internal dynamics have contributed to continuity and change in these regions. This course will help students to understand the historical context for contemporary changes in developing countries, as well as the context in which particular development theories and practices emerged.

PREREQUISITES: Either 60.1100(6) (Intro to IDS) or HIST-1010(6) (An Intro to History) or CMU 61.100(3) and 61.101(3) (History of Western Civilization I & II) or permission of the instructor.

CROSS-LISTED: International Development Studies IDS-2130(6).

HIST-2131(3) HISTORY OF PEACE AND NONVIOLENCE

(Le3) This course examines the history of pacifism, peace movements, and nonviolent solutions offered during specific times of conflicts. The scope of this course is global. Thus, the course contrasts Christian traditions of nonviolence with those of Hindu and Buddhist traditions. The major focus on the course is on the religious and secular visions of preserving peace in North America. For case studies, the course examines Mennonite communities that historically have embraced pacifism as a fundamental principle of social organization.

CROSS-LISTED: Mennonite Studies MENN-2131(3).

HIST-2170(6) ISLAM AND THE WEST (Le3)

This course examines the political, social, and cultural relations between the European and Islamic worlds from the Seventh Century to the present. Unlike many other non-Western societies, Islam developed in close and mutual contact with European Christendom. This relationship is discussed through several themes, including the transmission of scientific knowledge, the changing balance of military and economic power that paved the way for European empires to rise to worldu2,8(r679 Tw -14.6in1 Td-0.000and)1 TformChris.15041 T031 Tlegacging b031 09 Tw 12.7031 I Tw

images of childhood in European literature and art, the connections between these images and actual practices, and the continuing impact of these ideas and practices.
CROSS-LISTED: German Studies GERM-2303(3).

relations between Europeans

religious beliefs of its producing society, how art functions within the context of religion, and how one "reads: religious art. The class investigates the impact of social, economic, and power structures on religious art, and the role of patronage in art production.

CROSS-LISTED: Religious Studies REL-2901(3).

HIST-2900(6) HISTORY OF SCIENCE (Le3) This course surveys the development of Science from ancient to modern times with emphasis on the concepts of the physical sciences.

Note: This course fulfils either the University of Winnipeg Humanities Requirement or the University of Winnipeg Science Requirement.

HIST-2901(6) HISTORY OF TECHNOLOGY (Le3) A survey of developments in technology, from ancient to modern times. Throughout, there will be a consideration of the relationship of technology to man. This course does not fulfil the Science requirement.

HIST-2910(3) HISTORY OF MEDICINE TO 1700 (Le3) This course is a survey of the development of western medicine from the ancient period to 1700. Topics include the origin of the ancient medical tradition; the Hippocratic Oath and the origin of medical ethics; the Black Death and medieval medicine; and the seventeenth century scientific revolution in medicine. The course will relate medical practice to its scientific, philosophic and social bases.

RESTRICTIONS: Students with standing in HIST-2909(3) or HIST-3909(3) may not receive credit for HIST-2910(3).

HIST-2912(3) THE HISTORY OF MODERN MEDICINE (Le3) This course is a survey of the scientific, professional, and political development of medicine after 1700. Topics include the development of scientific medicine, including the germ theory of disease; the rise of the hospital and the transformation of medical education; and the growth of the public provision of medical care, including state-sponsored medical insurance schemes in Europe and North America.

RESTRICTIONS: Students with standing in HIST-2909(3) or HIST-3909(3) may not receive credit for HIST-2912(3).

HIST-3001(6) PRACTICE AND PHILOSOPHY OF HISTORY (Le, S3) This lecture/seminar course introduces the student to the practice of history. By studying historical writing it emphasizes changing ideas in history and the philosophical and practical difficulties involved in thinking about history. The course also emphasizes methodologies in research techniques and the writing of history.

PREREQUISITES: HIST-1010(6) and B average in previous history course(s).

RESTRICTIONS: Students with standing in the former HIST-4001(3) and HIST-4002(3) may not receive credit for HIST-3001(6).

HIST-3002(6) TUTORIAL (T) This is a reading course taken by individual senior students with the Instructor of their choice.

PREREQUISITES: Written permission from instructor and Department Chair.

HIST-3005(6) INTRODUCTION TO ORAL HISTORY(Le, S3) This lecture/seminar course introduces students to setting up an oral history project, including preparing for, conducting and processing an interview. Students learn about the major issues and debates in oral history and related disciplines. Students who successfully complete this course will be able to set up an oral history project for their own studies as well as for museums, historical societies, and other public history institutions.

HIST-3108(3) GENDER AND MENNONITES (Le, S3) This lecture/seminar course will examine the role of women and of men in the evolving Mennonite society. It will trace these gender roles amongst the Radical Anabaptists of Western Europe, the agrarian Mennonite communities in Russia and North America, and Mennonites in modern, urban centres in North America. The course will examine patriarchal

structures of Mennonite households, churches and communities, but also focus on the ways in which women create mechanisms of autonomy and meaning within those structures. The ideas that comprise Mennonite femininity and masculinity will receive special attention. Gender will also be traced through the Mennonite life cycle, commencing at childhood, and tracked through times of youth, marriage, mid-age, and retirement. The course will examine how Mennonite theological teachings, everyday language, modes of production, fertility rates, and national cultures affect ideas of gender in Mennonite society.

CROSS-LISTED: Mennonite Studies MENN-3108(3).

HIST-3116(3) MENNONITES AND WORLD ISSUES (Le, S3) This lecture/seminar course studies Mennonite responses to the wider world, and examines changes that have taken place among Mennonites with regard to world issues over the course of history. These issues include: urbanization, environmentalism, poverty, mass culture, the communications revolution, the global economy and family life. An emphasis is placed on the Twentieth Century World. **RESTRICTIONS:** Students with standing in MENN-3301(3) or HIST-3301(3) may not receive credit for MENN-3116(3) or HIST-3116(3). **CROSS-LISTED:** Mennonite Studies MENN-3116(3).

HIST-3117(6) COLUMBUS TO CASTRO: A HISTORY OF CUBA, 1492 – PRESENT (Le, S3) This lecture/seminar course analyses the historical evolution of Cuban society from the early colonial period, through capitalist development in the first half of the twentieth century, and to socialism after 1959. Emphasis is on the examination of the history of Cuba in the context of its relationship with the rest of the world. Emphasis is also on the national and international roots and dynamic of revolutionary change in Cuba, from the colonial period under Spain, through United States and Soviet hegemony, to the present, and includes consideration of the conditions and perspectives of various groups and social classes.

HIST-3118(3) SOUTH ASIAN DIASPORA SINCE 1800 (Le, S3) This lecture/seminar course examines migration from South Asia (today comprising India, Pakistan, Bangladesh, Nepal, Bhutan, Sri Lanka and the Maldives) in the nineteenth and twentieth centuries. Discussions focus on different types of migration and settlement developed within the British Empire, and the changes brought about by decolonization. The course covers labour issues including recruitment patterns, settlement patterns, establishment of educational and religious institutions, and the effect of overseas issues on nationalist politics in the colonial era. In the post-colonial period the course covers South Asian contributions to multicultural societies, labour policies, gender issues, racial discrimination and the politics of identity.

HIST-3119(3) ABORIGINAL PEOPLES AND CHRISTIAN MISSIONS (Le, S3) This lecture/seminar course examines a selected number of spiritual encounters between peoples and Christian missionaries throughout North and South America from the time of Columbus until the twentieth century. Emphasis is placed on the early modern period (1500-1800), although some nineteenth and twentieth-century encounters may also be discussed. Topics include Catholic and Protestant missions; Aboriginal religions; Aboriginal resistance to missions; Aboriginal adaptations to Christianity; gender; and economic aspects of missions.

HIST-3121(3) WOMEN IN THE MODERN WORLD (Le, S3) This lecture/seminar course will examine the varied experiences of women in a cross-cultural context, with emphasis on the transference of European ideologies of gender to a colonial setting. Students will analyze and compare notions of womanhood in modern Europe, Asia, Africa, and Latin America, and pay special attention to the agency of imperialism and colonialism in the construction of women's lives. Using primary and secondary sources, comparisons will be drawn where appropriate among different classes, regions, and times.

HIST-3130(3) HISTORY OF INTERNATIONAL MIGRATION: THE GERMAN EXPERIENCE (Le, S3) This course offers a survey of historical and current migration patterns, using the example of German-speaking migrants from the 18th to the 20th century. Students will explore migration processes, different types of migration, and the resulting cross-cultural encounters as well as the interaction of states and minorities. The lecture/seminar course will study Germany as a country of emigration and immigration, and discuss the existence of a German diaspora. A knowledge of German is not required.

HIST-3135(6) THE HUDSON'S BAY COMPANY AND THE MODERN DEPARTMENT STORE (Le, S3) In this lecture/seminar course, students will examine the history of modern retail business organization, with special attention being given to the Hudson's Bay Company's urban retail stores. The extensive archives of the company will afford students an excellent opportunity to study major issues in accounting, personnel, management, and marketing. The external social and political context in which the stores operated will also be studied. **CROSS-LISTED:** Business and Administration BUS-3135(6).

HIST-3208(3) CRUSADES AND CRUSADERS IN THE MIDDLE AGES (Le, S3) This lecture/seminar course traces the phenomenon of the crusades in Europe and the Mediterranean world between the Eleventh and Fifteenth Centuries. It explores the roots, the forms, and the consequences of crusading movements from the First Crusade to the capture of Granada (1492). Attention is given to the political, cultural, religious, and economic tensions and exchanges between Christianity and Islam, but also to the participants of these movements, the organisation of crusader states, the struggle against heresies in Europe and Byzantium, the consequences of the crusades on the Jewish communities of Europe, the Spanish *Reconquista*, and the crusades in the Baltic regions.

HIST-3209(3) TRAVEL AND ENCOUNTERS IN THE MIDDLE AGES (Le, S3) This lecture/seminar course examines the geographical horizon of Medieval Europeans and their knowledge of the world through the travel accounts of merchants, explorers, pilgrims, and missionaries. The period under scrutiny encompasses the 11th to the 15th Centuries, a time when this horizon was considerably broadened, for instance, by the Crusades and the Mongol invasions. Attention is given to the development of trade routes and networks across Europe and Asia, the encounters with other peoples, and the development of a medieval imagination of the world.

HIST-3215(3) HUMANISM IN THE RENAISSANCE (Le, S3) This lecture/seminar course studies the various kinds of humanism in Italy and Northern Europe during the Renaissance (1400-1600). The intellectual and literary interests of the humanists will be interpreted in the political, economic, social, and religious context of the age. **RESTRICTIONS:** Students with standing in HIST-3207(3) or HIST-3311(3) may not receive credit for HIST-3215(3).

HIST-3216(3) LUTHER, ZWINGLI AND THE RADICAL REFORMERS (Le, S3) This lecture/seminar course deals with the relationship between the objectives and methods of the "mainline" reformers of the sixteenth century (mainly Luther and Zwingli) and those of the "radical" reformers (such as Thomas Muentzer, Andrew Carlstadt, and the Anabaptists), and assesses the historical results of this relationship. **RESTRICTIONS:** Students with standing in HIST-3115(3) may not receive credit for HIST-3216(3). **CROSS-LISTED:** Mennonite Studies MENN-3102(3).

HIST-3217(3) SOCIETY AND POLITICS IN EARLY MODERN EUROPE (Le, S3)

may include such topics as women's contributions to religious life and intellectual reform, the changing political and legal status of women in feudal society, women's participation in agrarian and market economies, and the construction of gender and sexuality as class experiences in the medieval period. Using primary and secondary sources, comparisons will be drawn where appropriate among different regions and times.

HIST-3221(3) WOMEN IN THE RENAISSANCE, 1350-1550

(Le, S3) This lecture/seminar course will examine the varied experiences of women in Renaissance Europe.

Fundamental to this course will be the analysis of traditional periodization as we attempt to answer Joan Kelly's question, "Did women have a Renaissance." Women of the Renaissance period will be appraised in a broad range of roles: as members of the labouring classes and as intellectuals, as queens and as paupers. Using primary and secondary sources, students will evaluate social, political, legal, and economic conditions in women's lives to determine how these variables could be interpreted in redefining the period known as the Renaissance.

HIST-3222(3) WOMEN IN EARLY MODERN EUROPE,

1550-1750 (Le, S3) From the sixteenth to the eighteenth centuries, European societies underwent some critical transformations. This lecture/seminar course will assess the impact of those major ideological changes that especially affected women's lives. Was the Protestant Reformation good for women? What was "scientific" and "revolutionary" for women about the Scientific Revolution? Using primary and secondary sources, comparisons will be drawn where appropriate among different classes, regions, and times.

HIST-3314(6) RECENT EUROPEAN HISTORY (Le, S3)

This lecture/seminar course concentrates on the turbulent

and those of other regions of the country, as well as with the American West.

RESTRICTIONS: Students with standing in the former HIST-

relations between popular culture and the fine art of the ruling class, between ideology and artistic practice, between the revolution of the avant-garde and of the people, and among industry, exploitation, and empire, and between women as artists and as subjects of art.

RESTRICTIONS: Students with standing in HIST-3804(6), HIST-3817(3) or HIST-3818(3) may not receive credit for HIST-3809(6).

HIST-3810(6) ART OF THE TWENTIETH CENTURY (1900 to the present) (Le, S3) We will examine the development of abstraction and expression in art from 1900 to the present, particularly the relation of artistic movements to the political and historical context. The roles of war, sexuality, money, and the cult of personality in the production and

RESTRICTIONS: Students with standing in HIST-3807(6) may not receive credit for HIST-3822(3).

HIST-3824(3) HISTORY AND THEORY OF DANCE AND ART (Le, S3) Dance is a visual art that lives in both time and space. We will explore the social, historical and aesthetic relationships of dance to other art forms such as painting,

HIST-4200(6) TUTORIAL (T) This is a reading course in Pre-Industrial Europe by individual senior students with the Instructor of their choice.

PREREQUISITES: Written permission from instructor and Department Chair.

HIST-4210(6) CHURCH AND STATE IN MEDIEVAL EUROPE (S3) This course examines selected problems in the various types of relationship of ecclesiastical and feudal governments in Western Europe during the Medieval period, with emphasis upon Augustinian ideas, the examples of Charlemagne, and the struggles over episcopal investiture.

RESTRICTIONS: Students with standing in HIST-4201(6) and HIST-4310(6) may not receive credit for HIST-4210(6).

HISTORY OF ART (HISA)

Note: The department/program code HISA replaces the former code 89. The department/program code HIST replaces the former code 29. Students cannot hold credit in HIST-xxxx and the former 29.xxxx having the same course number (e.g., HIST-1010(6) and 29.1010(6)).

Coordinator: Associate Professor S. Keshavjee; **Professor:** D. Topper; **Associate Professor:** C. Majzels.

HIST-3821(3) Topics in Twentieth-Century Canadian Art I (Issues)
HIST-3822(3) Topics in Twentieth-Century Canadian Art II (Research Project)
HIST-3824(3) History and Theory of Dance and Art
HIST-3825(6) Theories and Methods for Art History

HIST-3829(3) Modern Architecture and Design
HIST-3831(3) Islamic Art and Architecture
HIST-4801(6) Special Topics in Art History
HIST-4802(6) French *Fin de Siècle* Art and Culture

Classics:

CLAS-2000(3) Heroic Age of Greece
CLAS-2002(3) Greek Art and Architecture
CLAS-2003(3) Roman Art and Architecture

Philosophy:

PHIL-2219(3) (OR the former **PHIL-2221(6)**) Philosophy of Art

Students may use one or more individual tutorials from the following as part of the Art History Major with Departmental approval:

HIST-4800(6) Honours Tutorial in Art History
CLAS-4001(6) Directed Readings in Monuments of Crete and Athens
CLAS-4002(6) Directed Readings in Monuments of Etruria and Rome

Students are strongly advised to pursue additional courses in foreign languages, Philosophy and History related to the area of emphasis in their Art History Program.

Combined Major: Minimum of 48 credit hours from two (2) different majors with not less than 18 credit hours from each major subject.

Prescribed courses:

HIST-1010(6) Art and Ideas or Art and History (sections recommended)
HIST-2800(6) History of European Art
HIST-3800(6) Any Group III course in Art History

GENERAL INFORMATION

Courses for Credit toward the Major

Courses in the History of Art Program can be used for credit towards a Major in History.

REQUIREMENTS FOR THE BA HONOURS

The University of Winnipeg does not currently offer a BA Honours degree with the History of Art Major. Students may extend their studies and obtain the BA Honours degree with the History Major by completing 4000-level courses in other Areas of Study. Students are advised to consult the History Department listing for details.

REQUIREMENTS FOR THE 4-YEAR BA

The University of Winnipeg does not currently offer a 4-YN69438(e)2a66962(v)6.51324(i)6m 8(R)4.20036(E)5e9373 Sub 18 Str 6.144093-6.12624(u)2

HUMAN RIGHTS AND GLOBAL STUDIES (HRGS)

Director: Associate Professor Eliakim Sibanda, Department of History and Director of the Institute for Human Rights and Global Studies, Global College. You may also contact Sherry Funk at 988-7105.

DEGREES/PROGRAMMES OFFERED

3-year BA

4-year BA

INTRODUCTION

REQUIREMENTS FOR A 4-YEAR BA IN HUMAN RIGHTS AND GLOBAL STUDIES

ADMISSION REQUIREMENT Students must consult with the Director for the Institute of Human Rights and Global Studies to plan their programme. Programme entry requires a minimum GPA of 2.5

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: 60 credit hours
Major: 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Sciences: 6 credit hours in Science
Social Sciences: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing
Maximum Introductory courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of six may be below the 1000 level.
Distribution: A minimum of three (3) credit hours from each of five (5) different subjects

MAJOR REQUIREMENT

Single Major: 54 credit hours
Double Major: 54 credit hours in Human Rights and Global Studies and specified number of credit hours in other Major, subject or program

Cognates: Minimum of 18 credit hours/Maximum of 30 hours in ancillary courses. Maximum total of cognate and major courses is 84 credit hours.

Required Courses: Students must complete the following core courses (9 credit hours):

POL-2101(6) Human Rights: from Local to Global
HRGS-3001(3)/HRGS- 4001(3) Capstone in Human Rights and Global Studies (See experimental courses.)

Students must complete 18 credit hours selected from the following:

ANTH/IDS-3160(3) Cultural Perspectives on Global Processes
CRS-3931(3) Human Rights and Conflict Resolution
GEOG-2411(3)

INTERNATIONAL DEVELOPMENT STUDIES (IDS)

(OFFERED IN COOPERATION WITH MENNO SIMONS COLLEGE)

Note: The department/program code IDS replaces the former

MAJOR REQUIREMENT

Single Major:

Minimum 36 credit hours from Internati

hours/maximum 6 credit hours of language study courses.

Minimum Major and Cognate Courses: 72 credit hours.

The cognate requirement is in addition to the major requirement (minimum 54 credit hours).

Cognate requirements beyond the minimum of applied research or skills-related courses (9 credit hours) and language study courses (3 credit hours) can be met through IDS Core or Area Courses, so long as the sum of Cognate and Major Requirements is the minimum 72 credit hours.

Maximum Major and Cognate Courses: 90 credit hours

Students are required to take 54 credit hours in IDS, selected as follows:

A minimum of 30 credit hours from the group titled IDS CORE COURSES.

A minimum of 24 credit hours from the group titled IDS AREA COURSES.

In meeting the IDS CORE COURSES requirement, all the following courses must be completed:

| | |
|--------------------|--|
| IDS-1100(6) | Introduction to International Development Studies |
| IDS-2110(3) | Participatory Local Development* (formerly IDS-3110(3)) |
| IDS-2171(3) | Crisis, Humanitarian Aid and Development* (formerly Crisis, Vulnerability and Development) |
| IDS-3101(3) | Development Ethics* |
| IDS-3111(3) | An Analysis of Development Aid Policies* |
| IDS-3199(3) | Practicum in International Development Studies* |
| IDS-4100(3) | Senior Seminar in International Development Studies* |
| IDS-4920(3) | Program Planning, Monitoring, and Evaluation* |

In meeting the IDS AREA COURSES requirement, the following course must be completed:

| | |
|---------------------|--|
| ECON-1104(3) | Introduction to Economic Theory, or ECON-1102(3) Introduction to Economics: Micro AND ECON-1103(3) Introduction to Economics: Macro, or ECON-1106(3) Introduction to Development Economics. (Note: If ECON-1102(3) and ECON-1103(3) are taken, only three (3) credit hours are needed from the short I9438(n)2.61286(c)-869438mics: |
|---------------------|--|

| | |
|---------------------|----------------------------|
| FREN-1111(6) | Practical Language Skills* |
| SPAN-1001(6) | Introductory Spanish |
| SPAN-2001(6) | Intermediate Spanish* |

The IDS Program is implementing new skills-related learning for the 4 Year Program. If you are interested to learn more, view the document , "Skills Learning to Engage in International Development," available on the IDS website (http://io.uwinnipeg.ca/~msc/acad_02_ids.htm). In some special cases skills learning courses through, for example, Continuing Education, may be available for academic credit BUT you must contact the IDS Coordinator to inquire about this.

Combined Major: Minimum 60 credit hours from two different majors with a minimum of 24 credit hours from each major subject.

Prescribed courses:

| | |
|--------------------|---|
| IDS-1100(6) | Introduction to IDS |
| IDS-2110(3) | Participatory Local Development* (formerly IDS-3110(3)) |
| IDS-3101(3) | |

- IDS-4100(3)** Senior Seminar in International Development Studies*
 - IDS-4110(6)** Development Theory*
 - IDS-4120(3)** Honours Thesis*
- Plus 6 credit hours selected from the following IDS Core Courses:
- IDS-2130(6)** A History of the Developing World*
 - IDS-2183(3)** African Development Issues*
 - IDS-2184(3)** Asia/Pacific Development Issues*
 - IDS-2185(3)** Latin America/Caribbean Development Issues*

IDS Area Courses (27 credit hours)

Required IDS Area Courses:

- ECON-1104(3)** Introduction to International Development Studies (3-6-1292(3)-6-1293(3))

COURSE DESCRIPTIONS

IDS-1100(6) INTRODUCTION TO INTERNATIONAL DEVELOPMENT STUDIES (Le3) The purpose of this course is to survey the main development issues in countries of the South in an interdisciplinary fashion. While the focus of the course will principally be on Africa, Asia, and Latin America, efforts will be made to draw parallels and connections with the North, including Canada. The course will evaluate what has been done in the name of development, particularly in light of issues of poverty, gender, and the environment. The course begins by evaluating alternative definitions and theories of development. This is followed by an analysis of the external factors which influence the South today and during the colonial period. Finally, the course looks at the internal dynamics of

IDS-2443(3) CONFLICT AND DEVELOPMENT ISSUES IN INDIGENOUS COMMUNITIES (Le3)

This course explores the dynamics of indigenous peoples globally, with special reference to the Canadian context, within the broad frameworks of development and conflict resolution. The course begins by describing key elements of indigenous culture and worldview. From the perspective of conflict resolution studies, inter- and intra-group conflict and conflict resolution processes involving indigenous communities will be explored. From the perspective of international development studies, processes of marginalization and underdevelopment will be presented to understand the indigenous communities' social, economic and political situation. Strategies for community development and conflict resolution will be highlighted as means to achieve transformation.

PREREQUISITES: IDS-1100(6) or CRS-1200(6), or permission of instructor.

CROSS-LISTED: Conflict Resolution Studies CRS-2443(3).

IDS-2521(3) STUDY OF VOLUNTARY SIMPLICITY (Le2, S1) Within International Development Studies, development is increasingly understood as a participatory, deliberate process aimed at enhancing the quality of life for individuals within communit

IDS-3193(3) DIRECTED READINGS IN INTERNATIONAL DEVELOPMENT STUDIES (D) In this course, readings and

focus groups, integrating qualitative and quantitative method, and post-field work activities.

PREREQUISITES: IDS-1100(6) or CRS-1200(6), or permission of instructor.

CROSS-LISTED: Conflict Resolution Studies CRS-3920(3).

IDS-4100(3) SENIOR SEMINAR IN INTERNATIONAL DEVELOPMENT STUDIES (S3,P) In this capstone seminar students compare cross-

ITALIAN STUDIES (ITAL)

Note:

WGS-3200(6)** Feminist Research Methodologies Seminar
(prereq. WOM-1232(6) or permission of Programme Coordinator)
***Courses with prerequisites*

REQUIREMENTS FOR A 4-YEAR BSc IN KINESIOLOGY (EXERCISE SCIENCE)

| | |
|-----------------------------------|--|
| ADMISSION REQUIREMENT | Students are advised to consult with a member of the Department in planning their course of study. |
| GRADUATION REQUIREMENT | 120 credit hours |
| RESIDENCE REQUIREMENT | |
| Degree: | Minimum 60 credit hours |
| Major: | Minimum 30 credit hours |
| GENERAL DEGREE REQUIREMENT | |
| Humanities: | 12 credit hours in Humanities |
| Writing: | Minimum 3 credit hours of Academic Writing. |
| Maximum Introductory Courses: | Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level. |
| Distribution: | Minimum three (3) credit hours from each of five (5) different subjects. |
| MAJOR REQUIREMENT | |
| Single Major: | Minimum 48 credit hours/Maximum 78 credit hours. |
| Double Major: | Minimum credit hours in Kinesiology and Applied Health and specified number of courses in other major. |
| Prerequisites: | Chemistry 40S and Pre-Calculus or Applied Mathematics 40S are required. |

| | |
|--------------------|---|
| KIN-3201(3) | Biomechanics |
| KIN-3304(3) | Advanced Resistance Training |
| KIN-3500(6) | Practicum II- AT: Field |
| KIN-3501(3) | Assessment of Upper and Lower Body Sport Injuries |
| KIN-3502(3) | Rehabilitation of Upper and Lower Body Sport Injuries |
| KIN-3503(3) | Massage Techniques in Sport |
| KIN-3504(3) | Sport First Responder |
| KIN-3505(3) | Pathology in Sport Medicine |
| KIN-4301(3) | Applied Anatomy |
| KIN-4500(6) | Practicum III - AT: Clinical |
| KIN-4501(3) | Sports Injuries of the Spine |
| KIN-4502(3) | Drugs and Ergogenic Aids in Sport |

Additional Kinesiology electives:

At least one of:

| | |
|--------------------|--|
| KIN-2305(3) | Issues in Health |
| KIN-3105(3) | Psychological Skills in Sport and Life |

At least one of:

| | |
|--------------------|-----------------------------|
| KIN-3103(3) | Adapted Physical Activity |
| KIN-3208(3) | Physical Activity and Aging |
| KIN-4207(3) | Motor Learning and Control |

The Canadian Athletic Therapists Association (CATA) requires all athletic therapy certification candidates to have completed 2--6.69736(2) (-55.986(1)-5.73

12 additional credit hours from any course offerings in Kinesiology and Applied Health, for a total of 48 credit hours.

KINESIOLOGY TEACHABLE MINOR (Senior and Middle Years)

Required courses:

- KIN-2302(3)** Teaching Individual Physical Activities
- KIN-2303(3)** Teaching Team Physical Activities
- KIN-2304(3)** Scientific Principles of Fitness and Conditioning
- KIN-2305(3)** Issues in Health
- KIN-3103(3)** Adapted Physical Activity

3 credit hours from:

- KIN-3305(3)** Physical Activity: Promotion and Adherence
- KIN-3105(3)** Psychological Skills in Sport and Life
- KIN-2105(3)** Sport Psychology

KINESIOLOGY TEACHABLE MINOR (Early and Early/Middle Years)

Required courses:

- KIN-2304(3)** Scientific Principles of Fitness and Conditioning
- KIN-3103(3)** Adapted Physical Activity

9 credit hours from:

- KIN-2203(3)** Growth and Development Through Physical Activity (early/middle years)
- KIN-2206(3)** Movement Education (early/middle years)
- KIN-2207(3)** Physical Growth and Motor Development (al406(l)-5.71889(o)-5.7(r)-0.985888rses:

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Kidle yea(3) Phys(cc Actop

a)S78475(i)-5.p.985888(e)-5.70406(d)-5.71704(t)4.71889(o)-5.70406(p)-0.985888(o)-5.70406(e)-5.70406(t)4.74042(h)L74042(T)3.f 54.10d
Kidle yeaedtr(toed

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KIN-3502(3) Rehabilitation of Upper And
Lower Limb Sport Injuries

KIN-2501(3) NUTRITION FOR HEALTH AND WELLNESS (Le3) This course introduces the student to nutrition information, especially as it contributes to informed decision- making. Students develop an understanding of the importance of appropriate food choices by focusing on

2503(3), KIN-3504(3) AND permission of instructor

drugs and ergogenic aids in sport. Topics include the physiological effects of performance enhancing drugs such

(9) 572847, 572848, 572849, 572850, 572851, 572852, 572853, 572854, 572855, 572856, 572857, 572858, 572859, 572860, 572861, 572862, 572863, 572864, 572865, 572866, 572867, 572868, 572869, 572870, 572871, 572872, 572873, 572874, 572875, 572876, 572877, 572878, 572879, 572880, 572881, 572882, 572883, 572884, 572885, 572886, 572887, 572888, 572889, 572890, 572891, 572892, 572893, 572894, 572895, 572896, 572897, 572898, 572899, 572900, 572901, 572902, 572903, 572904, 572905, 572906, 572907, 572908, 572909, 572910, 572911, 572912, 572913, 572914, 572915, 572916, 572917, 572918, 572919, 572920, 572921, 572922, 572923, 572924, 572925, 572926, 572927, 572928, 572929, 572930, 572931, 572932, 572933, 572934, 572935, 572936, 572937, 572938, 572939, 572940, 572941, 572942, 572943, 572944, 572945, 572946, 572947, 572948, 572949, 572950, 572951, 572952, 572953, 572954, 572955, 572956, 572957, 572958, 572959, 572960, 572961, 572962, 572963, 572964, 572965, 572966, 572967, 572968, 572969, 572970, 572971, 572972, 572973, 572974, 572975, 572976, 572977, 572978, 572979, 572980, 572981, 572982, 572983, 572984, 572985, 572986, 572987, 572988, 572989, 572990, 572991, 572992, 572993, 572994, 572995, 572996, 572997, 572998, 572999, 573000

INTERDISCIPLINARY LINGUISTICS (LING)

Coordinator: G. Fulfo

REQUIREMENTS FOR A 4-YEAR BA IN INTERDISCIPLINARY LINGUISTICS

| | |
|-----------------------------------|---|
| ADMISSION REQUIREMENT | Students must consult with the Coordinator in planning their studies. Minimum 30 credit hours completed previously. |
| GRADUATION REQUIREMENT | 120 credit hours |
| RESIDENCE REQUIREMENT | |
| Degree: | Minimum 60 credit hours |
| Major: | Minimum 30 credit hours |
| GENERAL DEGREE REQUIREMENT | |
| Humanities: | 12 credit hours in Humanities |
| Science: | 6 credit hours in Science |
| Social Science: | 12 credit hours in Social Science |
| Writing: | Minimum 3 credit hours of Academic Writing. |
| Maximum Introductory Courses: | Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level. |
| Distribution: | Minimum three (3) credit hours from each of five (5) different subjects. |
| MAJOR REQUIREMENT | |
| Single Major: | Minimum 48 credit hours/Maximum 66 credit hours in the Major subject. |
| Double Major: | Minimum 48 credit hours in each Major |

LIST B***Interdisciplinary Applications
In English***

- ANTH-2400(3) Method and Theory in Linguistic Anthropology
ANTH-3400/4400(3) Applied Linguistic Anthropology
CLAS-2800(3) Greek and Latin in Today's English
CRS -2252(3) Conflict and Communication
PSYC-2620(3) Psycholinguistics
RHET -2139(3) Rhetorics of Visual Representations
WGS -2001(3) Gender and Folklore
PHIL -2372(3) Philosophy of Language
ANTH-3113(3) Algonquian Ethnography
ENGL-3812(6) A History of the English Language

it relates to German, and phonetic transcription. Emphasis is

PREREQUISITES: LING-2101(3) and LING-3001(6), or permission of instructor.

LING-4201(3) SPECIAL STUDIES I (D) Students interested

MATHEMATICS (MATH)

Note: The department/program code MATH replaces the former codes 32. Students cannot hold credit in MATH-xxxx and the former 32.xxxx having the same course number (e.g., MATH-1101(6) and 32.1101(6)).

Chair: Professor J. Currie; Professors: O.R. Oellermann, T. Visentin; Associate Professors: V. Linek, A. Stokke, R. Stokke; Instructors: J. Babb, B. Bector.

DEGREES/PROGRAMS OFFERED

3-Year BA

3-Year BSc

4-Year BA

4-Year BSc

BSc Honours

INTRODUCTION

Mathematics is the supreme intellectual achievement and the most original creation of the human spirit

REQUIREMENTS FOR THE 4-YEAR BA/BSc IN MATHEMATICS

ADMISSION REQUIREMENT

36 credit hours previously completed towards a BA/BSc in Mathematics.

Students must consult with the Department Chair/Honours Advisor in planning 2.31103(n)2.69438(g)2.31103(n)2.69438(g)

Distribution:

Minimum three (3) credit hours from each of five (5) different subjects.

COURSE DESCRIPTIONS

MATH-1101(6) INTRODUCTION TO CALCULUS (Le3,La2)

This course covers calculus of a function of one variable. Topics covered include limits, continuity, differentiation and integration of elementary functions (algebraic, exponential, logarithmic, trigonometric, and inverse trigonometric), indeterminate forms and Hospital's Rule, and improper integrals. Applications covered include maximization and minimization problems, related rates, curve sketching, area, volume, and arc length.

PREREQUISITES: Pre-Calculus Mathematics 40S or permission of the instructor or Department Chair.

NOTE: A grade of at least C in this course is required to take MATH-2101(6).

RESTRICTIONS: A student may not receive credit for both

MENNONITE STUDIES (MENN)

Note: The department/program code MENN replaces the former code 33. Students cannot hold credit in MENN-xxxx and the former 33.xxxx having the same course number (e.g., MENN-1010(6) and 33.1010(6)).

Chair: Professor R. Loewen; Assistant Professor: H. Werner.

The establishment of the Chair in Mennonite Studies was made possible through the generous gifts of Dr. David Friesen, Q.C., his family, and the Federal Department of the Secretary of State.

INTRODUCTION

The Chair in Mennonite Studies was established to give students an opportunity to study the rich heritage of the Mennonites and their contribution to society. Mennonite Studies is an Interdisciplinary Program, combining history, religion, culture, and literature as they relate to the Mennonites in the past and present. In the courses and seminars students seek to understand the once maligned and persecuted people, and consider the contributions they have made, and are making, to the development of the Christian religion, culture, literature, and art. The question of how the Mennonites seek to come to terms with the world around them is a major part of the Program's emphasis.

It is now possible to obtain a Bachelor's Degree with a major in Mennonite Studies by creating a Flexible Major in consultation with the Chair in Mennonite Studies. Course offerings are cross-listed with other Departments and counted towards the degree as electives, or can be counted towards the Major program of the cross-listed Department.

Students will find courses in Mennonite Studies a useful and informative addition to a liberal arts education. While the Program itself is not aimed at any particular vocational preparation, the background it provides will be especially rele

MENN-2131(3) HISTORY OF PEACE AND NONVIOLENCE (Le3)

This course examines the history of pacifism, peace movements, and nonviolent solutions offered during specific times of conflicts. The scope of this course is global. Thus, the course contrasts Christian traditions of nonviolence with those of Hindu and Buddhist traditions. The major focus on the course is on the religious and secular visions of preserving peace in North America. For case studies, the course examines Mennonite communities that historically have embraced pacifism as a fundamental principle of social organization.

CROSS-LISTED: History HIST-2131(3).

MENN-2322(3) ORIGINS AND CHARACTER OF ANABAPTISM (Le3) This course will introduce students to the beginnings of

MODERN LANGUAGES AND LITERATURES FRENCH STUDIES (FREN), GERMAN STUDIES (GERM), ITALIAN STUDIES (ITAL), SPANISH STUDIES (SPAN)

Note: The department/program codes FREN, GERM, ITAL and SPAN replace the former codes 20, 26, 21, and 22 respectively. Students cannot hold credit in FREN-xxxx and the former 20.xxxx, GERM-xxxx and the former 26.xxxx, ITAL-xxxx and the former 21.xxxx, and SPAN-xxxx and the former 22.xxxx having the same course number (e.g., FREN-1001(6) and 20.1001(6)).

Chair: Associate Professor G. Moulaison; Professors: E. Dawes (Associate Dean of Arts), K. Meadwell, J. Nnadi, L. Rodriguez, S. A. Viselli; Associate Professor: L. Dietrick; Assistant Professor: J. Machín-Lucas; Instructor III: A. Rusnak; Instructor II: M. Ruiz.

DEGREES/PROGRAMS OFFERED

3-Year BA
4-Year BA
Honours BA

INTRODUCTION

The Department of Modern Languages and Literatures offers a variety of courses and programming, including the 3-year BA (in French, in German, and in Spanish), the 4-year BA (in French and in German), and the Honours BA (in French).

Students can begin study of any of our languages without previous knowledge. Departmental advisors are available to assist students in the selection of their courses. Departmental advising is strongly encouraged for all students registering for the first time in one of our courses. Students can study language, linguistics and literature in a variety of courses at different levels.

In addition to registering in our on-campus programs, students in French Studies and German Studies can benefit from study-abroad programs at the Université de Perpignan and the Université de Bordeaux 3 in France, and at the Universität Bamberg in Germany.

For specific information about courses and programs in French Studies, German Studies, Italian Studies and Spanish Studies, please consult the appropriate calendar sections.

MULTIDISCIPLINARY (MULT)

Note: The department/program code MULT replaces the former code 01. Students cannot hold credit in MULT-xxxx and the former 01.xxxx having the same course number (e.g., MULT-1005(6) and 01.1005(6)).

INTRODUCTION

REQUIREMENTS FOR A 4-YEAR BA IN PHILOSOPHY

ADMISSION REQUIREMENT Students must consult with the department advisor in planning their studies.
Minimum 30 credit hours completed previously.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
Science: 6 credit hours
Social Science: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single (i).789.11(s)-038564R-6.69734(6)88789.75(+).4.738801(4)-098588R(-)558374(4)-50(14)16(7)82(2)06(1)4.73856(6)5421704(6)-8.2040

Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

HONOURS REQUIREMENT

Single Hod 7.92 Tf 7.24.74042(o)-5 subjects4re

ch -5.0136.3 subjectso-0.985888(o)-5.70406(m)-1.96436()4.7

Humanities Requirement

PHIL-2302(6) Logic does **not** fulfil the Humanities Requirement.

Credit for Logic courses received by transfer from other institutions does **not** fulfil the Humanities requirement.

Cross-Listed Courses

Students who wish to take more than one of the following cross-listed courses for credit towards the Major must obtain approval from the Department Chair.

| | |
|--------------------------|---------------------------------|
| PHIL/CLAS-2011(6) | Genesis of Western Humanism |
| PHIL/MATH-2901(3) | History of Calculus |
| PHIL/POL-2200(6) | Social and Political Philosophy |
| PHIL/MATH-2305(3) | Philosophy and Mathematics |

Advanced Level Courses: 3000-level courses are open to all students who have completed a minimum of 12 credit hours in Philosophy.

Honours Level Courses: Honours courses are open to students who have completed a minimum of 15 credit hours in Philosophy, 9 of which must be at a 2000-level or higher, who have maintained a B or better in Philosophy, and who have written permission of the Honours Advisor.

COURSE LISTINGS

The Philosophy Department has organized its courses according to historical periods and the five branches of philosophy (metaphysics, epistemology, logic, moral philosophy and aesthetics). These divisions correspond to the degree requirements outlined above, and are provided to help students plan a balanced program of study.

Introductory Courses

- PHIL 1001(6) Introduction to Philosophy
- PHIL 1002(6) Values and the Human Condition
- PHIL 1301(6) Introduction to Logical Reasoning

Classical

- PHIL 2002(3) History of Philosophy: Classical
- PHIL 3504(3) Plato and Before
- PHIL 3505(3) Aristotle and After

Medieval

- PHIL 2012(3) History of Philosophy: Medieval Latin
- PHIL 3502(3) History of Philosophy: Medieval Arabic and Hebraic

Early Modern

- PHIL 2003(3) History of Philosophy: Early Modern
- PHIL 3507(3) 17th Century Philosophy
- PHIL 3508(3) 18th Century Philosophy

Nineteenth Century

- PHIL 2004(3) History of Philosophy: 19th Century
- PHIL-2005(3) History of Philosophy: Recent Anglo-American
- PHIL 2010(3) History of Philosophy: Existentialism
- PHIL 3509(3) 19th Century Philosophy

Twentieth Century Philosophy

- PHIL 20C06(0)-5.70406(5)-5.70406(0.985888(3)-5.70406(0))-0.985888()4.73856()4.73856(H)-6.69736(i)-5.71704(s)-0.978475(t)4.73856(o)-5.73856(s)2704 /R7 7.26(0)6(5)-5505sTs582 T170406(82 T0406(0))-0.985888()4.73856()4.73856(H)-6.69736(i)-5.71704(s)-73856(L)06(s))66()4.73856(s)2704 /R7 7.26(0)6(5)-5606505sTs582 T170406(82 T0406(0))-0.985888()4.73856()4.73856(H)-6.69736(i)-5.71704(s)-73856(L)06(s))66()4.73856(s)4065 .704065Ts
- PHIL 20C06(0)-5.70406(5)-5.70406(0.985888(3)-5.70406(0))-0.985888()4.73856()4.73856(H)-6.69736(i)-5.71704(s)-0.978475(t)4.73856(o)-5.73856(s)2704 /R7 7.26(0)6(5)-50065 .704065Ts n82 T.71704(l)-5.73)06(s).71704(l)-5n.69736.738d.69736(l)606(0)06(s)P /R7 7.062)66()4.73856(s)2704 /R7 7.26(0)6(5)-53704 /R7 7.26(0)6(5)-5.704065sTs582 T170406(82 T0406(0))-0.985888()4.73856()4.73856(H)-6.69736(i)-5.71704(s)-73856(L)06(s))66()4.73856(s)406505 .704065Ts
- PHIL 20C06(0)-5.70406(5)-5.70406(0.985888(3)-5.70406(0))-0.985888()4.73856()4.73856(H)-6.69736(i)-5.71704(s)-0.978475(t)4.73856(o)-5.73856(s)2704 /R7 7.006505 05sTs582 T170406(82 T985888()4.756(L)06(s) 2s-5.5988e406(0))-0.985888()4.716(L)06(s)e(u)3.752675..70n56(H)-n.73856(s)2704 /R7 7.26(0)6(5)-50065 .704065Ts n82 T.71704(l)-5.73)06(s).71704(l)-5n.69736.738d.69736(l)606(0)06(s)P /R7 7.062)66()4.73856(s)2704 /R7 7.26(0)6(5)-53704 /R7 7.26(0)6(5)-5.704065sTs582 T170406(82 T0406(0))-0.985888()4.73856()4.73856(H)-6.69736(i)-5.71704(s)-73856(L)06(s))66()4.73856(s)406505 .704065Ts
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ethical justification for social institutions and practices. Why should I obey the state? When is disobedience justified? Are there any inalienable and absolute human rights? What are the conditions and limits of liberty? Why and when is it moral to punish? Is free enterprise consistent with principles of justice? Is it ever right to engage in war? Readings will include the work of some of the following: social contract theorists, /R7 475475f2151.25670395(e).778475()-T | rthe

with special emphasis on methodological issues.

Possible topics are the following: theory construction in the human sciences, the influences of ideologies upon the methods and findings of these discis

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other faults of argumentation.

PREREQUISITES: A minimum of 12 credit hours in Philosophy.

PHIL-3303(3) PHILOSOPHY OF LANGUAGE (Le3)

This course focuses on the theory of signs, symbols, and meaning in language. Does meaning lie in a relation between language sign and an object in the world, in an internal state of consciousness, or in the pragmatic context of language use? Attention is given to various kinds and functions of language: descriptive and evaluative discourse, the

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epistemological and linguistic certainty, ethical and political normativity and justification, the ideals of reason, truth, and progress. Possible thinkers to be studied include: Heidegger, Adorno, Horkheimer,

PHYSICS (PHYS)

Note:

PHYS-3901(3) Intermediate Physics Laboratory

A minimum of 6 credit hours from the following:

PHYS-2102(3) Scientific Computing I
PHYS-2103(3) Scientific Computing II
PHYS-2105(3) Mathematical Physics I
PHYS-2106(3) Mathematical Physics II
PHYS-2503(3) Medical Imaging
PHYS-3202(3) Classical Mechanics I
PHYS-3203(3) Classical Mechanics II
PHYS-3402(3) Thermal Physics I
PHYS-3403(3) Thermal Physics II
PHYS-4201(6) Electromagnetic Theory
PHYS-4302(3) Condensed Matter Physics
PHYS-4303(3) Subatomic Physics
PHYS-4501(6) Introduction to General Relativity
PHYS-4601(6) Quantum Mechanics II

Recommended: Students are advised to include courses in the areas of Calculus and Differential Equations as part of their degree program. Students are advised to consult with the Department Chair before entering Year 2 of their studies.

Combined Major: Minimum of 48 credit hours from two (2) different majors with not less than 18 credit hours from each major subject.

Prescribed courses: Required courses depend on the second major area and will be determined in consultation with the department.

REQUIREMENTS FOR A 3-YEAR BSc (COMPUTATIONAL PHYSICS STREAM)

Single Major: Minimum 66 credit hours in Applied Computer Science, Mathematics, and Physics, as per required course list.

Required Courses (36 credit hours):

MATH-1101(6) Introduction to Calculus
PHYS-1101(6) Foundations of Physics I
PHYS-2102(3) Scientific Computing I
PHYS-2103(3) Scientific Computing II
PHYS-2201(6) Electricity and Magnetism
PHYS-2302(6) Foundations of Physics II
PHYS-3301(6) Quantum Mechanics I

Plus either

ACS-1903(3) Programming Fundamentals I and
ACS-1904(3) Programming Fundamentals II

OR

ACS-1905(3) Programming Fundamentals and
ACS-2947(3) Data Structures and Algorithms

Plus at least 6 credit hours from

PHYS-2105(3) Mathematical Physics I
PHYS-2106(3) Mathematical Physics II
PHYS-3202(3) Classical Mechanics I
PHYS-3203(3) Classical Mechanics II
PHYS-3402(3) Thermal Physics I
PHYS-3403(3) Thermal Physics II
PHYS-3901(3) Intermediate Physics Laboratory
PHYS-4302(3) Condensed Matter Physics
PHYS-4303(3) Nuclear Physics
PHYS-4501(6) Introduction to General Relativity
PHYS-4901(3) Advanced Physics Laboratory

Plus at least 18 credit hours selected from

MATH-3701(3) Numerical Methods

Any courses from the Applied Computer Science 4-year B. Sc. Group I or Group II electives

REQUIREMENTS FOR THE 3 YEAR BSc (RADIATION HEALTH AND SAFETY)

This program is being planned for full implementation in 2010/11, subject to final administrative approval. Please contact the department chair or designate for further information.

Note: the "CCMB" department code used below indicates courses taught through CancerCare Manitoba.

Major requirement: Minimum of 60 Credit Hours as per the courses listed below.

| | |
|---------------------|--|
| CHEM-2102(3) | Thermodynamics and Kinetics |
| CHEM-2103(3) | Atoms, Molecules and Spectroscopy |
| CHEM-2401(3) | Inorganic Chemistry I |
| CHEM-3101(3) | Physical Chemistry of Condensed Phases |
| CHEM-3102(3) | Quantum Chemistry and Spectroscopy |
| CHEM-4101(3) | Molecular Structure, Spectroscopy and Reactivity |
| MATH-1101(6) | Introduction to Calculus |
| MATH-1201(3) | Linear Algebra I |
| MATH-2102(3) | Differential Equations I |
| PHYS-1101(6) | Foundations of Physics I |
| PHYS-2201(6) | Electricity and Magnetism |
| PHYS-2302(6) | Foundations of Physics II |
| PHYS-3301(6) | Quantum Mechanics I |
| PHYS-3901(3) | Intermediate Physics Laboratory |
| PHYS-4601(6) | Quantum Mechanics II |

Plus at least 3 credit hours selected from:

| | |
|---------------------|---|
| CHEM-2202(3) | Organic Chemistry I |
| CHEM-2203(3) | Organic Chemistry II |
| CHEM-2302(3) | Quantitative Chemical Analysis |
| CHEM-3401(3) | Inorganic Chemistry II: Coordination and Organometallic Chemistry |

Plus 12 credit hours selected from the following:

| | |
|---------------------|--------------------------|
| PHYS-3202(3) | Classical Mechanics I |
| PHYS-3203(3) | Classical Mechanics II |
| PHYS-3402(3) | Thermal Physics I |
| PHYS-3403(3) | Thermal Physics II |
| PHYS-4302(3) | Condensed Matter Physics |
| PHYS-4303(3) | Subatomic Physics |
| PHYS-4001(6) | Honours Thesis |

Plus 12 credit hours selected from the following:

| | |
|---------------------|---------------------------|
| PHYS-2102(3) | Scientific Computing I |
| PHYS-2103(3) | Scientific Computing II |
| PHYS-2105(3) | Mathematical Physics I |
| PHYS-2106(3) | Mathematical Physics II |
| MATH-2801(6) | Fundamentals of Computing |
| MATH-2101(6) | Intermediate Calculus |
| MATH-2103(3) | Differential Equations II |
| MATH-2203(3) | Linear Algebra |

REQUIREMENTS FOR A 4-YEAR BSc (COMPUTATIONAL PHYSICS STREAM)

MAJOR REQUIREMENT

Single Major:

Minimum 96 credit hours in Chemistry, Mathematics and Physics as per Required Courses list.

Required Courses (45 credit hours):

| | |
|---------------------|---------------------------------|
| MATH-1101(6) | Introduction to Calculus |
| PHYS-1101(6) | Foundations of Physics I |
| PHYS-2102(3) | Scientific Computing I |
| PHYS-2103(3) | Scientific Computing II |
| PHYS-2201(6) | Electricity and Magnetism |
| PHYS-2302(6) | Foundations of Physics II |
| PHYS-3301(6) | Quantum Mechanics I |
| PHYS-3901(3) | Intermediate Physics Laboratory |
| PHYS-4601(6) | Quantum Mechanics II |

Plus either

| | |
|--------------------|--------------------------------|
| ACS-1903(3) | Programming Fundamentals I and |
| ACS-1904(3) | Programming Fundamentals II |

OR

| | |
|--------------------|--------------------------------|
| ACS-1905(3) | Programming Fundamentals and |
| ACS-2947(3) | Data Structures and Algorithms |

Plus either

| | |
|---------------------|----------------------------|
| PHYS-2105(3) | Mathematical Physics I and |
| PHYS-2106(3) | Mathematical Physics II |

OR

| | |
|---------------------|--------------------------|
| MATH-1201(3) | Linear Algebra I and |
| MATH-2102(3) | Differential Equations 1 |

Plus at least 12 credit hours selected from

| | |
|---------------------|------------------------|
| PHYS-3202(3) | Classical Mechanics I |
| PHYS-3203(3) | Classical Mechanics II |
| PHYS-3402(3) | Thermal Physics I |
| PHYS-3403(3) | Thermal Physics II |

Plus 18 credit hours from:

| | |
|---------------------|------------------------------------|
| PHYS-2102(3) | Scientific Computing I |
| PHYS-2103(3) | Scientific Computing II |
| PHYS-3402(3) | Thermal Physics I |
| PHYS-3403(3) | Thermal Physics II |
| PHYS-4201(6) | Electromagnetic Theory |
| PHYS-4302(3) | Condensed Matter Physics |
| PHYS-4303(3) | Subatomic Physics |
| PHYS-4501(6) | Introduction to General Relativity |

Strongly recommended electives:

BIOL-1115(3) Cells and Cellular Processes

BIOL-3202(3) Histology

COURSE LISTINGS

| | | | |
|--------------|---|---|---------------------------|
| PHYS-1005(6) | Concepts in Science | PHYS-2812(3) | The Physics of Music |
| PHYS-1101(6) | Foundations of Physics I | PHYS-3103(3) | Special Topics in Physics |
| PHYS-1301(6) | Introduction to Physics | PHYS-3202(3) | Classical Mechanics I |
| PHYS-1501(6) | Modern Technology | PHYS-3203(3) | Classical Mechanics II |
| PHYS-1701(6) | Astronomy | PHYS-3301(6) | Quantum Mechanics I |
| PHYS-2102(3) | Scientific Computing I | PHYS-3402(3) | Thermal Physics I |
| PHYS-2103(3) | Scientific Computing II | PHYS-3856(Y)-5.9364(S)-5.9r.31103 bJ9438(856(Y)-5.9368871(3)2.69438()-4721.51 | |
| PHYS-2105(3) | Mathematical Physics I | | |
| PHYS-2106(3) | Mathematical Physics II | | |
| PHYS-2110(3) | Statics | | |
| PHYS-2201(6) | Electricity and Magnetism | | |
| PHYS-2302(6) | Foundations of Physics II | | |
| PHYS-2502(3) | Radiation and the Environment | | |
| PHYS-2503(3) | Medical Imaging | | |
| PHYS-2705(6) | Cosmology: Science Fact to Science Fiction | | |

especially gravity, and Kepler's laws, small vibrations, and normal modes. As well, the Lagrange and Hamiltonian formalisms will be introduced, including that involving constraints.

PREREQUISITES: PHYS-1101(6), PHYS-3202(3)

Strongly recommended: PHYS-2105(3), PHYS-2106(3)

RESTRICTIONS: Students who have obtained credit in PHYS-3102(6) may not receive credit in this course.

PHYS-3301(6) QUANTUM MECHANICS I (Le3) This course covers the following topics: special relativity, statistical distributions, wave properties of matter, quantum operators, probabilistic interpretation of wave-functions, and applications of the Schrodinger equation, including the treatment of the

POLITICS (POL)

Updated Dec. 2/09

Number of Credits: 41. Course Code: POL 1011(6) and 41.1011(6).

Chair: Professor J. Hebb; Professors: L. Axworthy, C.P. Leo, A.G. Mills, J. Silver; Associate Professors: J. Boucher, K.M. Gibbons, J. Grace, P. Ives; Assistant Professors: S. Arnold, L. DeRiviere, T. Narozhna, S. Sampert.

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

Honours BA

Master of Public Administration (MPA)

Certificate in Public Policy and Administration

Advanced Certificate in Public Policy and Administration

INTRODUCTION

to Public Administration

Strategic Management

Leadership Certificate

Recommended courses:

Students planning to proceed to graduate studies are encouraged to take **POL-4225(6)**
Scope and Methods of Political Science.

CERTIFICATE IN PUBLIC POLICY AND ADMINISTRATION

Students graduate with a certificate in Public Policy and Administration. The certificate requires the completion of 12 credit hours of coursework, including the following courses:

POL-2500(3) CITY POLITICS (Le3) This course is an introduction to political decision-making in cities, how it is organized and how citizens as well as local, provincial and national politicians and administrators operate both within the formal decision-making machinery and outside of it to help make the city what it is.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-2320(3) or POL-2325(6).

POL-2505(3) ISSUES IN CITY POLITICS (Le3) This course discusses such issues as central city decay, suburban sprawl, concentration of poverty, urban expressway development, and loss of neighbourhood identity. It also examines the political forces acting to cause problems, to neglect them, or to solve them. The focus is on the dynamics of city development and decay, and the political organization and action influencing those dynamics.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-2321(3) or POL-2325(6).

POL-2510(6) COMMUNITY POLITICS (Le3, P) This course examines several different forms of community political involvement, including neighbourhood or community organizing, electoral organizing, union organizing, and non-violent direct action. In each case students will be introduced to the relevant literature; in many cases this will be supplemented by guest speakers with practical experience. The course will also introduce students to some of the practical tools of effective citizen involvement in community politics. Some examples might include starting or working with a community media project; or using forms of popular culture such as music and theatre as political tools. There will be a strong but not exclusive emphasis on community politics in Winnipeg's inner city.

RESTRICTIONS: Students may not receive credit for both this course or the former POL-2410(6).

POL-3105(6) GLOBAL POLITICAL ECONOMY (Le3) This course will provide an introduction to the theories and methods of global political economy and a study of the application of these to areas such as militarization; north-south relations; globalization of production; trade and finance regimes; gender and ecological

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POL-3220(3) POLITICS OF POST-MODERNISM (Le3)

This course will examine a selection of the precursors, proponents and critics of post-modern political thought such as Nietzsche, Foucault, Rorty, Lyotard, Jameson, Butler, Habermas, Derrida and Baudrillard. This course will focus on the politics generated by post-modernism. Among the questions to be considered are: What is modernism? What is post-modernism? What are the potential effects of a post-modern perspective on political theory and political practices? How has post-modernism influenced feminism and new social movements more generally?

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3738(3).

POL-3224(3) RESEARCH PROJECT DESIGN (Le3) This is a basic course in research design, intended for beginners. It includes, but is not limited to, research design and evaluation, measurement, sampling, data collection methods, elementary data analysis, research ethics, and reporting results.

RESTRICTIONS: Students may not receive credit for this course and the former, POL-2206(3).

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POL-3400(3) ABORIGINAL POLITICS IN CANADA (Le3) This course examines the evolution of Canadian policy on aboriginal peoples, and in particular The Indian Act. It considers the development of aboriginal political organizations, and current struggles around land claims and self-government.

RESTRICTIONS: Students may not receive credit for this course and the former POL-3433(3).

POL-3405(3) ABORIGINAL POLITICS IN MANITOBA (Le3) This course examines selected political issues of importance to aboriginal peoples in Manitoba. Topics may include self-government, northern development, urbanization, aboriginal women, land claims, Metis claims, and others.

RESTRICTIONS: Students may not receive credit for both this course and the former POL-3434(3).

POL-3411(3) ABORIGINAL PEOPLE AND THE LAW I (Le3) This course begins with an examination of the constitutional status of Canadian native people, from the Royal Proclamation of 1763 to the Charter of Rights and Freedoms. It includes discussions of both federal and provincial powers and responsibilities in regard to native people and also of native government. Specific topics addressed will include, but not be limited to, native land rights, hunting, taxation, young offenders and child and family law.

RESTRICTIONS: Students may not receive credit for both

considers the changing context for trade unionism in the 20th century and the challenges facing the labour movement in the 21st century.

POL-3520(3) COMMUNITY DEMOCRACY IN A GLOBAL AGE (Le3) Our democratic institutions, for the most part inherited from the 19th century, are challenged in the 21st century by global markets and corporate mobility. This course explores the effect of globalization on our democratic institutions. While globalization may undermine our democratic institutions, social movements increasingly demand new forms of democratic practice. This course explores the claims of social movements for local/direct democracy and possible solutions to the “crisis” of democracy.

POL-3600(6) DIRECTED READINGS (D) A directed reading is an individual course of study arranged in consultation with a departmental supervisor. It is open to third year General and third and fourth year Honours students. The program of

PREREQUISITES: One 3 credit hour course in Area 4, Canadian Politics or permission of the instructor.

POL-4505(6) POLITICS OF URBAN PLANNING (S3) This course is a study of the political objectives that can be achieved through urban planning as well as the political restraints upon planning. The course adopts a comparative perspective, looking at the politics of planning in selected countries. It also considers the involvement of various levels of government in urban planning.

PREREQUISITESgOne ti

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perspective, looking at the politics of planning in selected countries. It also considers the involvement of various levels of government in urban planning.

RESTRICTIONS: Students may not receive credit for both this course and POL-4505(6) or the former POL-4334(6) or POL-7335(6).

PSYCHOLOGY (PSYC)

Note: The department/program code PSYC replaces the former code 44. Students cannot hold credit in PSYC-xxxx and the former 44.xxxx having the same course number (e.g., PSYC-1000(6) and 44.1000(6)).

Chair: Professor H. Bradbury; Professor Emeritus: R. Norton; Professors: J. Clark, B. Fehr, W. Josephson, M.C. McIntyre, G. Rockman, E. G. Schaefer, H. Strub, D.A. Williams; Associate Professors: B. Bolster, D. Bourassa, R. Broughton, K.L. Hansen, B.N. Kelly, P.M. Pearson, L.M. Sinclair, P. Trapnell; Assistant Professors: H. Aujla, S. Smith, C. Werhun; Instructors: M.K. Halldorson, K. Johns; Senior Scholars: G. Becker, M.K. Kerr; Adjunct Professors: D. Bailis; Laboratory Coordinator: B.W. Barske.

DEGREES/PROGRAMS OFFERED

3-Year BA
Honours BA

INTRODUCTION

Psychology is the e INMS (n)2.69438(s)-8.44093(j)-2.71084(o)2.6962(w)-2.6871(y)-2.6581(z)-6.13022(v)-6.1488(u)-6.1488(t)-6.1488(s)-6.1488(r)-6.1488(q)-6.1488(p)-6.1488(o)-6.1488(n)-6.1488(m)-6.1488(l)-6.1488(k)-6.1488(j)-6.1488(i)-6.1488(h)-6.1488(g)-6.1488(f)-6.1488(e)-6.1488(d)-6.1488(c)-6.1488(b)-6.1488(a)2

GENERAL INFORMATION

GENERAL INFORMATION

Prerequisites

PSYC-1000(6) Introductory Psychology or a 3 credit introductory course transferred from another university as **PSYC-1000(3)** is required for registration in all other Psychology courses. A grade of C or better in **PSYC-1000(6)** Introductory Psychology, or a 3 credit introductory course transferred from another university as **PSYC-1000(3)** and a minimum 2.0 overall GPA (C) is required for acceptance to the Major program.

COURSE LISTINGS

INTRODUCTION, HISTORY AND TOPICS

GENERAL COURSES

PSYC-1000(6) Introductory Psychology
PSYC-3030(3) Historical Developments in Psychology
PSYC-3050(3) Culture and Psychology

HONOURS COURSES

PSYC-4010(3) Advanced Reading and Research In Psychology I
PSYC-4020(3) Advanced Reading and Research In Psychology II
PSYC-4030(3) Psychological Issues in Historical Perspective
PSYC-4040(6) Honours Thesis

METHODS

GENERAL COURSES

PSYC-2101(3) Introduction to Data Analysis*
PSYC-2102(3) Introduction to Research Methods*

HONOURS COURSES

PSYC-4100(6) Intermediate Research Design and Data Analysis

DEVELOPMENTAL

GENERAL COURSES

PSYC-2200(3) Developmental Psychology I: Fundamentals
PSYC-2210(3) Introduction to Educational Psychology
PSYC-3200(3) Developmental Psychology II: Childhood
PSYC-3220(3) Adult Psychology
PSYC-3230(3) Adolescent Psychology

HONOURS COURSES

PSYC-4200(3) Topics In Developmental Psychology
PSYC-4240(3) Social Development
PSYC-4250(3) Cognitive Development
PSYC-4260(3) Prenatal and Infant Development

PERSONALITY

GENERAL COURSES

PSYC-2300(3) Personality Psychology
PSYC-3300(3) 6962((4.00871(3)2.6962(()-2029.76(S)-5.93822(o)2.6962(c)-8.4003)egU05.93731(CTJ /R8 8.04 Tf 96.5459 -18.72 TdT.696.6962(261.62

COURSE DESCRIPTIONS

Courses in Psychology are organized into 10 areas (see Course Listings). Students are advised to sample courses broadly from these areas, and to consider gaining perspective on the historical development of their discipline by taking a history of psychology course.

2410(3); or declared Major in Criminal Justice Studies or permission of instructor.

PSYC-3480(3) INTERPERSONAL COMMUNICATION (Le3) This course emphasizes the multilevel communication processes that underlie and support social interaction and relationship formation and change. Special attention is given to the differences and connections between verbal and nonverbal communication and to the rules and rituals of social interaction in everyday life. The methodologies basic to the understanding of communication processes are also stressed.

PREREQUISITES: PSYC-2400(3) or permission of instructor.

PSYC-3600(3) COGNITIVE PROCESSES (Le3) This course examines the nature of higher-order cognitive processing such as memory, thinking, problem solving, creativity, and decision making. The role of language in such processes is examined, and the application of cognitive principles in real life discussed. Demonstrations illustrating major cognitive principles and exercises for improving cognitive skills are included.

PREREQUISITES: PSYC-2600(3) or permission of instructor.

PSYC-3700(3) ABNORMAL BEHAVIOUR IN ADULTS (Le3) This course will provide information important to the understanding of psychopathologies that occur in adulthood. Various perspectives (e.g., genetic/biological, social, etc.) and theories (e.g., behavioural, cognitive, psycho dynamic, etc.) of abnormal behaviour will be discussed. A major emphasis will be placed on current research in understanding psychopathology.

PREREQUISITES: PSYC-2102(3) or permission of instructor.

PSYC-3710(3) ABNORMAL BEHAVIOUR IN CHILDREN AND ADOLESCENTS (Le3) This course will provide information important to the understanding of psychopathologies that occur during childhood and adolescence. Various perspectives (e.g., genetic/biological, social, etc.) and theories (e.g., behavioural, cognitive, psycho dynamic, etc.) of abnormal behaviour will be discussed. A major emphasis will be placed on current research in understanding psychopathology that occurs during childhood and adolescence.

PREREQUISITES: PSYC-2200(3) or permission of instructor.

PSYC-3720(3) BEHAVIOUR MODIFICATION (Le3) This course deals with

PSYC-4030(3) PSYCHOLOGICAL ISSUES IN HISTORICAL PERSPECTIVE (Le3) This course deals systematically with selected theoretical and methodological issues common to contemporary psychology and its recent history. In any given year, consideration will be restricted to one or two major issues to be dealt with at an advanced level. The issues selected will be made known to students in advance registration.

PSYC-4040(6) HONOURS THESIS (Le2,LaV) To complete the Honours degree each student must satisfactorily complete during his/her final year, a program of research under the supervision of at least two faculty members. Students wishing to enrol in this course should consult with the Department of Psychology.

PREREQUISITES: PSYC-4100(6) or permission of Psychology Honours Committee.

PSYC-4100(6) INTERMEDIATE RESEARCH DESIGN AND DATA ANALYSIS (Le3,La3) This lab course extends the basic research and data analysis methods introduced in 2101(3) and 2102(3). Topics in this course include intermediate research methods (e.g. computer-aided research design and literature search, construct validity), intermediate data analysis methods (e.g., analysis of variance and partial/multiple correlation techniques for selected experimental and non-experimental designs), and current issues in social science methodology. The lab component provides

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RELIGIOUS STUDIES (REL)

Note: The department/program code REL replaces the former code 47. Students cannot hold credit in REL-xxxx and the former 47.xxxx having the same course number (e.g., REL-1001(6) and 47.1001(6)).

Chair: Professor P.L. Day; Professor *Emeritus*: K.M. Hamilton; Professor: A. Welter; Assistant Professor: M.F. Ruml; Instructor: Ludmila Zamah.

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

Honours BA

Pre-Master's Program

Joint Masters Program (see Graduate Studies)

INTRODUCTION

The study of religion aims to understand religious thought and practices as aspects of the culture and society that produced them. It offers an opportunity to explore beliefs and ideas, philosophies and mythologies, rituals and symbols, etc., that shape the cultures and civilizations of the world both in hiscultufhie cuacie, of the

Combined Major: Minimum 48 credit hours from 2 different majors with not less than 18 credit hours from each major subject.

Prescribed courses:

One of

REL-1001(6) Religion and Identity in Contemporary Canada

REL-1002(6) Exploring Religion: the World's Religions

REL-1003(6) Exploring Religion: the Bible

Minimum of 3 credit hours at the 2000 level from three (3) of the four (4) Areas of Study:

Historical Judaism, Christianity, and Islam

Religion and Modern Western Culture

Asian Religions and Cultures

Aboriginal Religious Traditions

Minimum of 3 credit hours at the 3000 level or above.

Students are advised to inform the Department Chair of their intention to Major in Religious Studies; a Faculty Advisor will be mutually selected.

REQUIREMENTS FOR A 4-YEAR BA IN RELIGIOUS STUDIES

ADMISSION REQUIREMENT

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Individuals' programs will be structured to meet student needs and interests.
Students planning to major in Religious Studies must consult with the Department Chair after completing 30 credit hours.

REQUIREMENTS FOR AN HONOURS BA IN RELIGIOUS STUDIES

| | |
|------------------------------------|---|
| ADMISSION REQUIREMENT | Entry into the program after completing a minimum of 30 credit hours. Entry, continuing, and graduation minimum GPA is 3.0 (B) in Religious Studies courses and 2.5 (C+) in other courses. The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Religious Studies courses. The minimum 2.5 GPA (C+) in all other courses will be calculated as for the general degree (i.e. F's are not included, and in the case of repeated courses, only the highest grade will be used). Students in the Honours program must have approval of the Department Chair. |
| GRADUATION REQUIREMENT | 120 credit hours |
| RESIDENCE REQUIREMENT | |
| Degree: | Minimum 60 credit hours |
| Honours: | Minimum 30 credit hours, including minimum 18 credit hours at upper level (3000/4000) of which a minimum of 9 credit hours must be at the 4000 or 5000 level. |
| GENERAL DEGREE REQUIREMENT | |
| Humanities: | 12 credit hours in Humanities |
| Science: | 6 credit hours in Science |
| Writing: | Minimum 3 credit hours of Academic Writing. |
| Maximum Introductory Courses: | Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level. |
| Distribution: | Minimum three (3) credit hours from each of five (5) different subjects. |
| HONOURS REQUIREMENT | |
| Single Honours: | Minimum 54 credit hours/Maximum 78 credit hours in Religious Studies. |
| Required courses: | |
| One of | |
| REL-1001(6) | Religion and Identity in Contemporary Canada |
| REL-1002(6) | Exploring Religion: the World's Religions |
| REL-1003(6) | Exploring Religion: the Bible |
| Note: | REL-1005(3) and 1006(3) at Canadian Mennonite University do not fulfil this requirement. Maximum of 12 credit hours at the 1000 level. |
| Distribution Requirement: | Minimum of 6 credit hours at the 2000, 3000, 4000 level from three (3) of the four (4) Areas of Study: "Historical Judaism, Christianity and Islam", "Religion and Modern Western Culture", "Asian Religions and Culture", "Aboriginal Religious Traditions". |
| Advanced Level Course Requirement: | Minimum 36 credit hours in advanced level (3000, 4000, and 5000) courses, of which a minimum 15 credit hours are at the 4000 or 5000 level. |
| Requirement: | Note: All 3000 level courses are also offered at a 4000 level. Students may not receive credit for the same course at both a 3000 and a 4000 level except REL-3990(6)/4990(6), REL-3991(3)/4991(3), and REL-3999(6)/4999(6). |
| Language Requirement: | Minimum 6 credit hours in a second language (not for Religious Studies Honours credit). Students may receive Religious Studies Honours credit (a maximum of 12 credit hours) in approved languages for the study of religion. Languages currently approved are: biblical Hebrew, classical Greek, Latin, Arabic, Sanskrit, classical Chinese, Cree, |

Maximum of 12 credit hours at the 1000 level.

Distribution Requirement: Minimum of 6 credit hours at the 2000, 3000, 4000 level from each of the four (4) Areas of Study.

Advanced Level Course Requirement: Minimum 18 credit hours in advanced level (3000, 4000, and 5000) courses in Religious Studies of which a minimum 15 credit hours are at the 4000 level.

Note: All 3000 level courses are also offered at a 4000 level. Students may not receive credit for the same course at both a 3000 and a 4000 level except REL-3990(6)/4990(6), REL-3991(3)/4991(3), and REL-3999(6)/4999(6).

Language Requirement: Minimum 6 credit hours in a second language (not for Religious Studies Honours credit). Students may receive Religious Studies Honours credit (a maximum of 12 credit hours) in approved languages for the study of religion. Languages currently approved are: biblical Hebrew, classical Greek, Latin, Sanskrit, classical Chinese, Cree, Ojibway, Dakota. Students who wish to receive Religious Studies credit in other languages should consult the Department Chair.24.20042()4.74042(C)-6.69736(h)-5.70406(a)-5.704,

COURSE LISTINGS

INTRODUCTORY COURSES

Majors are required to take one 6 credit hour introductory course.

Maximum of 2 introductory courses may be taken for credit.

REL-1001(6) Religion and Identity in Contemporary Canada

REL-1002(6) Exploring Religion: the World's Religions

REL-1003(6) Exploring Religion: the Bible

AREAS OF STUDY

Note: Courses are offered on rotation.

Note: 2000-level courses are open to all students, without prerequisite.

Note: Except where otherwise indicated the 3000-level courses are open to students who have completed successfully at least 6 credit hours in Religious Studies, or who have received the consent of the instructor.

Note: All 3000-level courses are also offered at a 4000 level. Students may not receive credit for the same course at both a 3000 and a 4000 level except REL-3990(6)/4990(6), REL-3991(3)/4991(3), and REL-3999(6)/4999(6). Students registering at the 4000 level must have departmental permission.

Historical Judaism, Christianity, and Islam

REL-2001(6) Elementary Biblical Hebrew

REL-2010(6) Introduction to Modern Standard Arabic

Buddhists, Hindus, and Aboriginals) negotiate their identities through a dialogue between ancient religious resources and the surrounding pluralistic *milieux*.

REL-2405(3) RELIGION AND CULTURE: THE MULTIFAITH SOCIETY (Le3) The course focuses on the ways Canadian institutions both reflect and have responded to religious pluralism. While French and British Christians dominated this country for hundreds of years, contemporary Canada is characterized by increasing multiculturalism. The less restrictive policies Canada adopted towards non-European immigrants in the 1960s have transformed the status and place of religion in major institutions

REL-2707(3) CHINESE RELIGIONS (Le3) This course is a study of the basic beliefs and practices of the Chinese as informed by the three major Chinese traditions: Confucian, Taoist (Daoist), and Buddhist. The course will examine the development of each of these traditions, as well as their blending into a comprehensive set of beliefs and practices that shaped the common understanding and practice of Chinese religion. The effect of Communism on Chinese religious life will also be examined.

REL-2708(3) RELIGION IN JAPANESE LIFE (Le3) This course examines the religious life of the Japanese people, as informed by traditions deriving from the native Shinto religion of Japan, the adapted traditions of Buddhism and Confucianism, and the impact of Westernization and modernization on traditional beliefs and practices.

REL-2709(3) WOMEN IN ASIAN RELIGIONS (Le3) The course examines the experiences of women in several Asian cultures (e.g., Indian, Chinese, Japanese), and in several religious traditions (e.g., Hinduism, Buddhism, Confucianism, Daoism). The course is intended as a comprehensive introduction to women's experience in both pre-modern and modern contexts, with attention to how women are perceived and perceive themselves in religious and cultural roles.

REL-2710(3) CLASSICAL ISLAM (Le3) This course focuses on the religious tradition of Islam from its inception through the medieval period. The message and the style of the Qur'an are examined, and Muhammad's life and experience as a prophet are traced. The fundamental beliefs and major practices of Islam are critically explored. The course also examines the emergence of religious, political and legal institutions in the early centuries of Islam. In addition, attention is given to theological, philosophical and mystical interpreters of Islamic ethos, with particular reference to specific scholarly interpretations from different regions of the Islamic world.

REL-2711(3) CONTEMPORARY ISLAM (Le3) This course explores Islam as a faith and way of life in the modern context. Examples of Muslim approaches to modernity in general are examined, and modern interpretations of selected Qur'anic themes are studied. Themes such as gender equality and the freedom of women, and their implications for contemporary Islam, are discussed. The course traces the activities and opinions of Muslim organizations from the Muslim world. In addition, it assesses the current status of Islam in North America.

RESTRICTIONS: Students cannot receive credit for both this course and the former REL-2701(3).

REL-2713(3) MUSLIMS IN CANADA (Le3) This course provides an historical overview of the Muslim community in Canada. The rise and development of Islamic institutions, organizations, associations, and forms of leadership are examined. In addition, Islamic identity, religious lifestyle, Islamic education, and the range of challenges facing Muslims living in Canada are discussed.

RESTRICTIONS: Students may not receive credit for both REL-3551(3) and REL-4551(3).

REL-3601(3) / REL-4601(3) STORIED LIVES: CONTEMPORARY SPIRITUAL BIOGRAPHIES AND THE CONSTRUCTION OF IDENTITY (S3)

This course presents the current social scientific reflection on the "life history" as a means of understanding individuals and contextualizing the larger notions of "religious traditions" and "culture". Specifically, it considers the ways people construct and maintain their religious identities by weaving their own experiences into a narrative which includes other individuals and institutions. In addition to considering this method theoretically, students have an opportunity to employ this tool in the context of fieldwork.

PREREQUISITES: Students registering at the 4000 level must have Departmental permission. 6 credit hours in Religious Studies or Permission of the instructor.

RESTRICTIONS: Students may not receive credit for both REL-3601(3) and REL-4601(3).

REL-3602(3) / REL-4602(3) RITUALS AND RITES OF PASSAGE IN CONTEMPORARY SOCIETY (S3)

This course will allow students to explore the nature and role of rituals and rites of passage in contemporary society. We will spend most of our time engaged in a collective exploration of common rituals (communion, puja), and rites of passage (weddings, funerals, bar/bat mitzvoth) as they are found in North America. We will reflect upon the structures, meanings, and purposes of the events we discuss. We will also consider the ways the rituals and rites of passage we examine are related to the surrounding culture.

PREREQUISITES: Students registering at the 4000 level must have Departmental permission. 6 credit hours in Religious Studies or permission of the instructor.

RESTRICTIONS: Students may not receive credit for both REL-3602(3) and REL-4602(3).

REL-3701(3) / REL-4701(3) ISSUES IN THE INTERPRETATION OF THE QUR'AN (S3)

In this seminar, some of the issues pertaining to Qur'anic interpretation (exegesis) are discussed. After gaining an understanding of the book as a scripture, the history and the development of its exegetical venture is traced. Approaches of both classical and modern Muslim commentators on the Qur'an are explored. The Orientalists' approach to the Qur'an and its interpretation is also examined. For practical concerns, this course deals with the interpretation of the Qur'an in a

sublimated in the written sources. This course examines the teachings, ceremonies, and issues related to Aboriginal women. Written sources by and about Aboriginal women and Aboriginal women's teachings are examined and local Aboriginal women Elders and traditional people are invited to speak to the class as oral sources.

PREREQUISITES: One of REL-2801(3), REL-2802(3), REL-2803(3), or permission of the instructor. Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both REL-3803(3) and REL-4803(3).

REL-3804(3) / REL-4804(3) ABORIGINAL SPIRITUALITY: RESEARCH METHODS (S3) This course focuses on research methods and sources for the study of Aboriginal spirituality. Sources include published and unpublished written material and oral narratives. Critical perspectives and ethical issues related to the study of Aboriginal spirituality and research with Elders and Aboriginal people are examined. Guidelines established by the Social Sciences and Humanities Research Council related to the development of an "Aboriginal Research Paradigm, or a decolonizing approach to research and scholarship" are discussed. During the term, students develop their own research projects in consultation with the professor.

PREREQUISITES: One of REL-2801(3), REL-2802(3), REL-2803(3) or permission of instructor. Students registering at the 4000 level must have Departmental permission.

RESTRICTIONS: Students may not receive credit for both REL-3804(3) and REL-4804(3).

REL-3990(6) / REL-4990(6) READINGS IN RELIGION (D)

This course will provide individual directed study specialized subject at a dvace level

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RHETORIC, WRITING, AND COMMUNICATIONS (RHET)

Note: The department/program code RHET replaces the former code CAW or 18. Students cannot hold credit in RHET-xxxx and the former CAW.xxxx or 18.xxxx having the same course number [e.g., RHET-1105(3) and CAW-1105(3) and 18.1105(3)].

Chair: Associate Professor J. Kearns; Associate Professors: J. McLeod Rogers, C. Taylor, B. Turner, T. Whalen; Assistant Professors: R. Byrnes, J. Clary-Lemon, T. Tachino; Instructors: V. Baseley, J. Freeman, B. Nolan, S. Page.

DEGREES/PROGRAMS OFFERED

3-YEAR BA in RHETORIC AND COMMUNICATIONS

4-YEAR BA in RHETORIC AND COMMUNICATIONS

JOINT COMMUNICATIONS DEGREE/DIPLOMA (UW/RRC)

INTRODUCTION

The Department of Rhetoric, Writing, and Communications teaches both practical communicative skills and critical thinking about communicative texts and contexts. To prepare first-year students for success in university, our introductory courses provide instruction in academic writing. To prepare more advanced students

Combined Major: Minimum 48 credit hours from two different Majors with not less than 18 credit hours from each major subject.

Required Courses for a Combined Major:

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ffmt3222.0689J -3012a78]jith12R96.1298h4H96.1298h4E6.12-17312T2.691211h4-89(n)2.8(278]TJ n)2gggn

Group Four: Media, Communication, and Society (minimum 3 credit hours required)

| | |
|--------------|------------------------------------|
| RHET-1105(3) | Academic Writing: Natural Sciences |
| RHET-1105(3) | Academic Writing: Social Sciences |
| RHET-1110(6) | Academic Writing: Extended |
| RHET-1110(6) | Academic Writing: Extended (EAL) |

English (3 credit hours)

Students must also select 3 credit hours from the English courses listed here. If a student takes ENGL-1001(6), only 3 credit hours will be counted towards the Major (although all 6 credit hours will be counted towards the degree).

| | |
|--------------|------------|
| ENGL-1000(3) | English 1A |
| ENGL-1003(3) | English 1B |
| ENGL-1001(6) | English 1 |

Upper Level Courses

Students taking a 4-year Major in Rhetoric and Comm

search scholarly literature through periodical indexes commonly
used in the Social Sciences, such as the Social ScienceSonnex

course.

RHET-2145(3) THEORIES AND PRACTICES OF ORAL

for the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete RHET-1105(3) or RHET-1110(6) before taking this course.

RHET-3138(3) MODERN RHETORICAL THEORY (Le3) In what circumstances should we be persuaded by an argument? Will the quality of public debate decline as our society becomes increasingly pluralistic? How have the electronic media changed the way in which public debates are conducted? What are the connections among language, thought, and culture? These and similar questions about the exchange of ideas in society are the kinds of questions that interest rhetorical theorists. In this course, we will focus particularly on topics that have been at the centre of rhetorical theory for the past thirty years: the claim that all uses of language are to some degree rhetorical; the changing perception of how we persuade others and the recognition that various communities value diverse kinds of argumentation; the theory that rhetoric is a means by which both the individual and the community discover knowledge; the connections between rhetorical theories and theories of literary criticism. Works by the following authors are likely to be considered (though the texts selected will vary from term to term): James Berlin, Wayne Booth, Kenneth Burke, James Kinneavy, Karen Burke Le Fevre, Chaim Perelman, Ann Berthoff, and Richard Weaver.

PREREQUISITES: RHET-1105(3) or RHET-1110(6) or exemption for the writing requirement and completion of 24 credit hours.

Students taking a Major in Rhetoric and Communicati(x)21.4674(e)2.6962(l)4.00871()4.6.12989(B)-5.93822(e)2.6962(l)-2.u0871()4.6.12989(B)-t92 -9.24 T

and related arguments in the work of such scholars as Albert Lord, Eric Havelock, Walter Ong, Jack Goody and Neil Postman.

PREREQUISITES:

SOCIOLOGY (SOC)

Note: The department/program code SOC replaces the former code 50. Students cannot hold credit in SOC-xxxx and the former 50.xxxx having the same course number (e.g., SOC-1101(6) and 50.1101(6)).

Chair: Professor B. Edginton; Professor Emeritus: D.A. Chekki; Professors: D.J. Cheal, P. Ghorayshi, J. Novek; Associate Professors: C. Fillmore, C. Goff, M. Owen, D. Smith, P. Stevenson; ~~Assistant Professors:~~ Assistant Professors: A. Failler, K. Kramar, H438()4.00871(6)2.69438()4.0.98()-62989()-6.12989()-

REQUIREMENTS FOR A 4-YEAR BA IN SOCIOLOGY

ADMISSION REQUIREMENT Students must consult with the department advisor in planning their studies.
Students must have completed at least 30 credit hours.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT

Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours
Science: 6 credit hours
Social Science: 12 credit hours
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 48 credit hours/Maximum 66 credit hours.
Double Major: 48 credit hours in each Major subject as specified by the department/program.
Cognates: Minimum of 18 credit hours/Maximum of 36 credit hours in ancillary courses.
Maximum total of cognate and major courses is 84 credit hours combined.

Required courses:

- SOC-1101(6)** Introduction to Sociology
- SOC-2114(6)** Sociological Theory
- SOC-2125(3)** Introduction to Quantitative Research Methods
- SOC-2126(3)** Introduction to Research Design and Qualitative Research

Students must complete a minimum of 48 credit hours in sociology courses.

SOC-1101(6) Introduction to Sociology **SOC-2114(6)** Sociological Theory **SOC-2125(3)** Introduction to Quantitative Research Methods **SOC-2126(3)** Introduction to Research Design and Qualitative Research

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Honours. For the requirements of the other Honours subject, consult the department involved.

Required courses Single Honours:

- SOC-1101(6)** Introduction to Sociology
- SOC-2114(6)** Sociological Theory
- SOC-2125(3)** Introduction to Quantitative Research Methods
- SOC-2126(3)** Introduction to Research Design and Qualitative Research
- SOC-4405(6)** Honours Research Paper

Suggested Pattern of Study:

- Year 1: **SOC-1101(6)** Introduction to Sociology
- Year 2: **SOC-2114(6)** Sociological Theory, 6 additional credit hours at the 2000 or 3000 level in Sociology.
- Year 3: **SOC-2125(3)** Introduction to Quantitative Research Methods, **SOC-2126(3)** Introduction to Research Design and Qualitative Research, 12 credit hours at the 4000 level in Sociology.
- Year 4: **SOC-4405(6)** Honours Research Paper, 12 additional credit hours at the 4000 level in Sociology.

Recommended: Single Honours students are strongly advised to include **SOC-4401(6)**, **SOC-4116(3)** and **SOC-4126(3)** in their Honours courses.

Double Honours:

- SOC-1101(6)** Introduction to Sociology
- SOC-2114(6)** Sociological Theory
- SOC-2125(3)** Introduction to Quantitative Research Methods
- SOC-2126(3)** Introduction to Research Design and Qualitative Research

- SOC-2110(6) Social Change
- SOC-2113(3) Canadian Society
- SOC-2307(3) Sociology of Youth
- SOC-2308(3) Critical Social Issues
- SOC-3209(6) Mass Communication and Popular Culture

AREA 2

INDIVIDUAL AND SOCIETY

- SOC-1003(3) Introduction to Disability Studies I
- SOC-1004(3) Introduction to Disability Studies II
- SOC-2103(6) Sociology of the Family
- SOC-2105(6) Race, Ethnic and Aboriginal Relations
- SOC-2115(6) Sociology of Socialization and Development
- SOC-2118(6) Sex and Gender Relationships
- SOC-2201(3) Sociology of Aging
- SOC-2307(3) Sociology of Youth
- SOC-3118(6) Women in Society
- SOC-3209(6) Mass Communication and Popular Culture
- SOC-3101(6) Globalization and Social Justice: A Sociological Perspective
- SOC/WGS-3212(6) Sociology of the Body
- SOC-4408(6) Seminar in Socialization and Development
- SOC-4410(6) The Life Cycle: Middle and Later Years

AREA 3

CRIMINOLOGY

- SOC-1006(3) Beginnings in Law and Criminology
- SOC-2107(3) Criminological Theory
- SOC-2108(3) Social Regulation
- SOC-2119(6) Sociology of Law
- SOC-3123(3) Crime, Victimization, and Justice in Aboriginal Communities
- SOC-3201(3) Sociology of Youth Justice
- SOC-3203(3) Theories of Penalty
- SOC-3205(3) Policing, Governance and Sec62(c)-8.44093(i)-2.bo)n and S Late
- SOC-3210(6) Sociology of enal Ines
- SOC-3213(6)
- SOC-0(6) Seminar in Sociology of Law-1915461()-6.12989(a)2.6962(n)2.6962(d)2.6962()-6.12989(C)4.22218(r)4.00871(i)-2.31286(m)-19.98(i)-2.31103(n)

SOC-1004(3) INTRODUCTION TO DISABILITY STUDIES II
(Le3) This course examines social change in terms of disability rights movements. It looks at innovative contemporary as well as historic approaches of social change

critical thinking. This course is required of all majors and honours students.

PREREQUISITE: SOC-1101(6).

SOC-2115(6) SOCIOLOGY OF SOCIALIZATION AND DEVELOPMENT (Le3)

Using several theoretical perspectives, this course investigates the processes of socialization and personality formation through this life cycle. Emphasis is placed on the content, stages and agencies of socialization in a variety of social contexts. Discussion and analysis are based on social, social psychological and comparative data.

PREREQUISITE: SOC-1101(6).

NOTE: This prerequisite will be waived for students majoring in Developmental Studies.

SOC-2118(6) SEX AND GENDER RELATIONSHIPS (Le3)

This course discusses the dynamics of sex and gender relationships in different socio-cultural contexts. Major topics for discussion include gender role differentiation, sex role stereotyping and changes over time in male/female relationships in North American society. Attention is given, where possible, to cross-cultural studies.

PREREQUISITE: SOC-1101(6).

SOC-2119(6) SOCIOLOGY OF LAW (Le3) This course analyzes the effects of law on social relationships as well as the social dynamics which give rise to, maintain and alter laws. The sociological aspects of institutions and organizations are studied in the context of the Canadian legal system.

PREREQUISITE: SOC-2107(3).

SOC-2125(3) INTRODUCTION TO QUANTITATIVE RESEARCH METHODS (Le2,La2)

This course is an introduction to the use of descriptive and inferential statistics in the social sciences, with an emphasis on sociology. Students will be introduced to survey research and techniques of data analysis. Lab work is included to develop computer-based statistical skills for use in research. This course is required for majors and honours students.

PREREQUISITE: SOC-1101(6).

RESTRICTIONS: Students may not receive credit for this course and the former SOC-2106(6).

NOTE: This course meets the University Science Requirement.

SOC-2126(3) INTRODUCTION TO RESEARCH DESIGN AND QUALITATIVE RESEARCH (Le2,La2)

This course is an introduction to the principles and techniques of social science research. Areas of discussion involve the major methodological questions in the field, such as the relationship between empirical research and theory construction and the other factors that influence basic research processes. Included will be an introduction to the principles and design of qualitative research. Lab work is included to develop computer skills for use in research. This course is required for all honours and majors students.

PREREQUISITE: SOC-1101(6).

RESTRICTIONS: Students may not receive credit for this course and the former SOC-2106(6).

SOC-2201(3) SOCIOLOGY OF AGING (Le3) This course considers the age structure of Canadian society, aging in different cultures, methods of studying aging and sociological theories of aging. Possible issues for discussion include housing, pensions, transportation, and health care.

PREREQUISITE: SOC-1101(6).

SOC-2202(3) CHANGING PATTERNS OF AGING (Le3)

and culture in the context of globalization. The central aim is to examine to what degree and in what ways the issues of social justice or injustice are articulated in the process of globalization.

PREREQUISITE: SOC-1101(6).

SOC-3102(6) SOCIOLOGY OF MEDICINE (Le3) The focus of this course is on the social context of disease and medical care. Topics to be covered include stress and psychosomatic illness, causes and consequences of mental illness, the sick role, variations in illness behaviour, doctor-patient relationships, unorthodox systems of medical practice, psychiatric therapies, organization of the medical profession, social structure of the hospital and politics of the health care system.

PREREQUISITE:

women's crime, and the treatment of both women offenders and victims by the criminal justice system. Emphasis will be placed on the feminist scholarship that addresses these issues.

PREREQUISITE: SOC-2107(3).

SOC-3209(6) MASS COMMUNICATION AND POPULAR CULTURE (Le3) This course provides an understanding of the relationships between social processes, cultural

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SPANISH STUDIES (SPAN)

Note: The department/program code SPAN replaces the former code 22. Students cannot hold credit in SPAN-xxxx and the former 22.xxxx having the same course number (e.g., SPAN-1001(6) and 22.1001(6)).

Chair: Associate Professor G. Moulaison; Assistant Professor: J. Machín-Lucas; Instructor I: M. Ruiz

DEGREES/PROGRAMS OFFERED

3-Year BA

3-Year BA Combined Major

4-Year BA Combined Major

terminology and tools of analysis specific to film studies while being exposed to the social realities of contemporary Spain (e.g., national stereotypes, Eur

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| STAT-3105(3) | Time Series and Forecasting |
| STAT-3401(3) | Stochastic Processes |
| STAT/MATH-3412(3) | Introduction to Operations Research |
| STAT-3501(3) | Simulation |

Combined Major: Minimum 48 credit hours from 2 different majors with not less than 18 credit hours from each major subject.

Prescribed courses: To be determined in consultation with the Department.

Students who have not obtained a grade of at least C in **STAT-1201(6)** Introduction to Statistical Analysis (OR **STAT-1501(3)** Elementary Biological Statistics I AND **STAT-1601(3)** Elementary Biological Statistics II) are advised not to proceed in a Statistics major.

MATH-2101(6)

MATH-2101(6) Intermediate Calculus is a prerequisite for

PREREQUISITES: STAT-1501(3)
RESTRICTIONS:

STAT-3401(3) STOCHASTIC PROCESSES (Le3) This course is designed to introduce students to important aspects of stochastic modelling including Markov chains, Poisson processes, and renewal processes. Markov chains in both discrete and continuous time will be considered. This course emphasizes the application of theory to problems in manufacturing, telecommunications, and biological systems.

PREREQUISITES: STAT-3611(3) (formerly STAT-3201(3) or STAT-2701(3)) and 48(s)-6.32115(e)3.64941()17.1673(e)18.9925(m)-2 -99.8.82532 Tf202(-)-195()1.82424(4825(T)1.676271(S)6612.728725()-19.891

Required Courses for all areas except Filmmaking:

THFM-1001(6)

Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General

THFM-2401(3)

FILMMAKING: Compulsory sequence:

THFM-1010(6) Introduction to Film

THFM-2310(6) Filmmaking I: Screen Narrative Technique

THFM-3310(6) Filmmaking II: Directing the Short Film

Required but not in any particular order or year:

THFM-1001(6) Introduction to Theatre: Performance

THFM-2410(6) History of Film

Recommend THFM-1001(6) once

THF-2401(6)

THF-2

hours may be below the 1000 level.

Distribution: Minimum three (3) credit hours from each of five (5) different subjects.

NOTE: Dance Program Stream courses cannot be used to fulfil the Major subject requirements in the Theatre and Film Stream; they are considered to be a different subject with respect to the maximum number of courses permitted in the Major subject and to the University Distribution Requirement.

HONOURS REQUIREMENT (THEATRE AND FILM)

Single Honours: Minimum 54 credit hours/Maximum 78 credit hours in the Honours subject.
Minimum 30 credit hours at the upper level (3000 or 4000) in Honours subject courses.
Minimum 21 credit hours at the 4000 level in Honours subject courses.

Double Honours: Minimum 36 credit hours in each Honours subject.
Minimum 24 credit hours at the upper level (3000 or 4000) in Honours subject courses.
Minimum 15 credit hours at the 4000 level in the Theatre and Film component of the double Honours.
For the requirements of the other Honours subject consult the department involved.

Required Courses:

THFM-1001(6) Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General

THFM- 2401(3)

DIRECTING: Compulsory:

THFM-1001(6) Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General

THFM-2101(6) Acting Theory and Practice

THFM-2201(3) Principles of Design

THFM-4331(6) Directing I

THFM-4341(6) Directing II **OR** **THFM-4041(6)** Special Studies in Theatre/Film

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Students should see the department advisor for assistance in choosing which recommended courses to take in any given area of study; call the Theatre/Film office at 786-9955. Not all recommended courses need be taken. In certain circumstances it may be possible to construct an alternate pattern of study within an area, with the permission of the Chair.

GENERAL INFORMATION

4000-Level Courses:

ENGL-4311(6) Topics in Shakespeare
ENGL-4442(6) Topics in Drama and Dramatic Theory

OTHER COGNATE COURSES

GERM-3204(3) Aspects of Contemporary Drama
HIST-2800(6) History of European Art

THFM-2606(2) SELF PRODUCING FOR DANCE (Le2LaV)

PREREQUISITES: THFM-2801(6) **AND** permission of the instructor.

PREREQUISITE OR COREQUISITE: THFM-3807(3).

THFM-3802(3) STAGE MANAGEMENT (Le3,La1.5) This course gives students a basic introduction to the central role of stage management in the theatre. Intended for general Arts students wishing to get a realistic glimpse of the theatrical experience, this course uses lectures and simulations to reveal the process of mounting a show from the first rehearsal to the final curtain. In addition, labs will provide an introduction to computer applications and the preparation of organizational tools current in the profession. Those wishing more intensive and practical experience are referred to THFM-4832(6) Problems in Stage Management.

RESTRICTION: Students may not receive credit for both this course and THFM-4832(6).

THFM-3803(3) PROPERTIES FOR THE STAGE (Le3,LaV)

The object of this course is to provide students with an introduction to prop making and acquisition. Emphasis will be placed on practical skills development, research, practice, and the review of special materials and handling procedures for them.

PREREQUISITE: THFM-2801(6).

THFM-3804(3) SCENIC PAINTING (Le3,LaV) The object of this course is to provide students with an introduction to scenic painting. The proper use of paints and pigments will form a basis from which a study of the major professional painting techniques will be undertaken.

PREREQUISITES: THFM-2801(6) **OR** THFM-2201(3).

THFM-3807(3) THEATRICAL PRODUCTION OPERATIONS AND MANAGEMENT (Le3,LaV)

address and overcome the problems inherent in the art. Students are expected to research and present special topics of relevance, prepare and perform a major role in a scene, prepare and perform minor acting roles as needed, and participate in technical activities in support of classmates' work.

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practical in nature and encompass the use of computers and an opportunity to experience stage management in an arena closely duplicating that of the profession.

PREREQUISITE: THFM-2801(6).

RESTRICTION: Students may not receive credit for both this course and THFM-3802(3).

DANCE PROGRAM STREAM (DANC)

Note: The department/program code DANC replaces the former code 93. Students cannot hold credit in DANC-xxxx and the former 93.xxxx having the same course number [e.g., DANC-1901(3) and 93.1901(3)].

Co-Principals: Odette Heyn-Penner, Faye Thomson.

DEGREES/PROGRAMS OFFERED

3-Year BA

Honours BA

INTRODUCTION

The objective of the Dance Program Stream is to prepare the Theatre and Film Dance Stream major for graduate-equivalent training and/or professional work in performance, teaching, or choreography. The program is offered jointly with the Senior Professional Program of the School of Contemporary Dancers; **en,ry 04 Tf 59.3944 89(o)2.69438(f)-1286962(n)2.69438(t)-6.12,ry 04 Tf 59.3944**

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Note: In the Spring/Summer session in any given year, students are encouraged to take Spring Dance Intensive courses

Dance Technique III **AND** DANC-3903(6) Performance II.

DANC-3903(6) PERFORMANCE II (Le3,LaV) This is a second performance project course focusing on works by faculty members and/or guest choreographers.

COREQUISITES: Must be taken concurrently with DANC-3901(6) Dance Technique III **AND** DANC-3902(6) Performance I.

DANC-3904(6) SPRING DANCE INTENSIVE III (Le3,LaV)

This is a further development of DANC-2904(6) Spring Dance Intensive II. It is a practical and intensive studio course in dance and includes technique performance and special topics relevant to the technical and artistic development of the modern dancer.

PREREQUISITE: DANC-2902(6) Dance Technique II or equivalent, **OR** permission of the Program Co-Director.

DANC-3910(6) DANCE COMPOSITION I (Le2,LaV) This course explores methods of choreography and includes choreographic assignments culminating in public performances. It is normally taken in the third year.

PREREQUISITE: Permission of the Program Co-Director.

DANC-3911(6) DANCE PAEDAGOGY I (Le3) This course explores methods of teaching in creative dance, ballet and modern at the elementary level and offers studio experience in teaching and/or assistant teaching. It is normally taken during the second or third year.

PREREQUISITES: Permission of the Program Co-Director.

DANC-3912(6) SPECIAL STUDIES IN DANCE (P)

HONOURS COURSES

DANC-4901(6) DANCE TECHNIQUE IV (Le3,LaV) This course is a further development of DANC-3901(6) Dance Technique III.

PREREQUISITE: DANC-3901(6) Dance Technique III **OR** permission of the Program Co-Director.

COREQUISITES: Must be taken concurrently with DANC-4902(6) Performance III **AND** DANC-4903(6) Performance IV.

DANC-4902(6) PERFORMANCE III (Le3,LaV) This course represents a progression from the 3000-level performance courses with emphasis on the student's individual development. It involves a practicum with a professional choreographer.

PREREQUISITES: DANC-3903(6) DANC-3902(6) DANC-3901(6) DANC-3904(6) DANC-3910(6) DANC-3911(6) DANC-3912(6) HIS (:)/R7 8.04

URBAN AND INNER-CITY STUDIES (UIC)

Co-Directors: Profesora J. S. J. (Lectura de Urban Studies); Asociada Profesora: J. H. ; Asistente Asistente: C. M. e.

DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

Honours BA

Certificate

INTRODUCTION

Urban and Inner-City Studies is an interdisciplinary Major concerned with the examination of the city as a dynamic environment. The program combines a traditional urban studies focus with courses that examine various aspects of the inner city, such as, the urban Aboriginal experience, the immigrant and refugee experience, and the role of women. In Canada, cities continue to be centres of great challenges: from managing suburban growth, to promoting inner-city revitalization; from responding to the opportunities and challenges created by rapidly changing demographics, to those created by globalization and socio-economic change. Cities are also home to increased concentrations of poverty and social and political exclusion. The Urban and Inner-City Studies program provides an opportunity to examine the political, economic, social and spatial context of these and many other important aspects of urban change from an interdisciplinary perspective.

The Urban and Inner-City Studies program is housed in the Politics Department. Other participating departments and programs include Aboriginal Governance, Business and Administration, Conflict Resolution Studies, Criminal Justice, Economics, Geography, History, International Development Studies, Sociology, and Women and Gender Studies. The program also draws upon the resources and expertise of the Institute of Urban Studies, which, since 1969, has undertaken work on urban issues.

RED RIVER CO

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Social Science: 12 credit hours in Social Science
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum 3 credit hours from each of 5 different subjects.

MAJOR REQUIREMENT

Single Major: Minimum 51 credit hours/Maximum 66 credit hours.
Double Major: 51 credit hours in Urban and Inner-City Studies and specified number of credit hours in the other department/program.
Cognates: Minimum of 18 credit hours, maximum of 36 credit hours in related courses from one of several departments.
Maximum total of cognate and major courses is 84 credit hours combined.
Students may take a maximum of 12 credit hours of Directed Reading towards the major requirement.

Required courses:

36 credit hours from the list of core courses
15 credit hours from the list of optional courses
Minimum 18 credit hours at the 2000 level
Minimum 24 credit hours at the 3000 level
Maximum 18 credit hours at the 4000 level

Students who have obtained at least a 3.0 GPA in previous Urban and Inner-City Studies courses may so Tj 5.77102 0 Td (i)Tj 1.80344 0

RHET-1105(3) Academic Writing
 UIC-2001(3) Urban and Inner-City Community Development/Community Economic Development
 UIC-2020(3) Colonization and Aboriginal Peoples
 UIC-2030(3) Management & Financial Administration in Community & Aboriginal Organizations
 UIC-3001(6) Urban and Inner-City Practicum

C o o s e r e q u i r e d c o u r s e s :
 ECON-1104(3) Introduction to Economic Theory
 POL-2010(3) Politics in the Inner City

C o o s e r e q u i r e d c o u r s e s :
 POL-2500(3) City Politics
 GEOG-2415(3) Introduction to Urban Development
 UIC-3100(3) Issues in Urban and Inner-City Studies

COURSE LISTINGS

Please note: Courses with asterisks (*) have prerequisites or require departmental approval.

UIC C o u r s e s :

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How is ω is e :

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UIC-2030(3) COMMUNITY LEADERSHIP: MANAGEMENT AND FINANCIAL ADMINISTRATION (Le3) As small-scale and not-for-profit structures, community-based and aboriginal organizations often face unique challenges and political/cultural realities in terms of overall management and operations. This course provides students with a good understanding of the key facets of management and administrative structures within the community and aboriginal sectors in particular. Key topics include organizational structures and management controls, financial statements and budgeting, performance measurement, strategic planning and operations analysis and evaluation.

PREREQUISITES: UIC-1001 or AG-1015
CROSS-LISTED: AG-2030(3) and BUS-2030(3)

UIC-3001(6) URBAN AND INNER-CITY PRACTICUM (Le, A3) This course provides an experiential learning opportunity for students with an inner-city organization. Students spend three hours per week with the organization, observing what takes place, meeting and working with inner-city people and organizations, and taking on work assignments under the direction of the organization's staff and with the support of the course instructor. Course assignments may include, among others, interpretive journals and/or projects prepared for the organization.

PREREQUISITES: UIC-1001(3) and one other Core Course in Urban and Inner-City Studies

UIC-3011(3) INNER-CITY ECONOMIC DEVELOPMENT (Le3) Popularly understood as low-income neighbourhoods near the city centre, and academically defined as "the commercial core plus adjacent residential areas," the inner city raises profound political questions. Should downtown businesses help deal with

2020-2021 (10/1/2020-9/30/2021) 2019-2020 (9/1/2019-8/31/2020) 2018-2019 (8/1/2018-7/31/2019) 2017-2018 (7/1/2017-6/30/2018) 2016-2017 (6/1/2016-5/31/2017) 2015-2016 (5/1/2015-4/30/2016) 2014-2015 (4/1/2014-3/31/2015) 2013-2014 (3/1/2013-2/28/2014) 2012-2013 (2/1/2012-1/31/2013) 2011-2012 (1/1/2011-12/31/2011) 2010-2011 (12/1/2010-11/30/2010) 2009-2010 (11/1/2009-10/31/2009) 2008-2009 (10/1/2008-9/30/2009) 2007-2008 (9/1/2007-8/31/2008) 2006-2007 (8/1/2006-7/31/2007) 2005-2006 (7/1/2005-6/30/2006) 2004-2005 (6/1/2004-5/31/2005) 2003-2004 (5/1/2003-4/30/2004) 2002-2003 (4/1/2002-3/31/2003) 2001-2002 (3/1/2001-2/28/2002) 2000-2001 (2/1/2000-1/31/2001) 1999-2000 (1/1/1999-12/31/1999) 1998-1999 (12/1/1998-11/30/1998) 1997-1998 (11/1/1997-10/31/1997) 1996-1997 (10/1/1996-9/30/1997) 1995-1996 (9/1/1995-8/31/1996) 1994-1995 (8/1/1994-7/31/1995) 1993-1994 (7/1/1993-6/30/1994) 1992-1993 (6/1/1992-5/31/1993) 1991-1992 (5/1/1991-4/30/1992) 1990-1991 (4/1/1990-3/31/1991) 1989-1990 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WOMEN'S AND GENDER STUDIES (WGS)

Note: The department/program code WOM for Women's Studies, and the code WGS for Women's and Gender Studies replace the former code 95. Students cannot hold credit in more than one of WOM-xxxx, WGS-xxxx, and the former 95.xxxx having the same course number (e.g., WOM-1232(6), WGS-1232(6), and 95.1232(6)).

Chair: Associate Professor Fiona Green; **Faculty:** Professor: Pauline Greenhill; Assistant Professors: Roewan Crowe, Angela Failler.

As Women's and Gender Studies is interdisciplinary

3004(3)).
3 credit hours in Social Science.

Combined Major: Minimum 48 credit hours from two different majors with not less than 18 credit hours from each major subject.
Prescribed courses: **WGS-1232(6)** Introduction to Women's and Gender Studies
WGS-3300(6) Feminisms: History, Perspectives and Practice
6 credit hours Any Women's and Gender Studies Course(s)

REQUIREMENTS FOR A 4-YEAR BA IN WOMEN'S AND GENDER STUDIES

ADMISSION REQUIREMENT Minimum 30 credit hours completed previously.
Students should consult with the Chair or a Women's and Gender Studies advisor in planning their programs.

GRADUATION REQUIREMENT 120 credit hours

RESIDENCE REQUIREMENT
Degree: Minimum 60 credit hours
Major: Minimum 30 credit hours

GENERAL DEGREE REQUIREMENT
Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Social Science: 12 credit hours in Social Science
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000 level. Of these, a maximum of 6 credit hours may be below the 1000 level.
Distribution: Minimum 3 credit hours from each of 5 different subjects.

MAJOR REQUIREMENT
Single Major: Minimum 48 credit hours from Core (24 credit hours) and Area (24 credit hours).
Maximum 60 credit hours from Women's and Gender Studies Core.
Maximum 84 credit hours of Core and Area. Because Women's and Gender Studies is Interdisciplinary, normal disciplinary 4-Year maximum of 66 credit hours is extended to permit students to take the maximum Core (60 credit hours) + the minimum Area (24 credit hours). Area courses in excess of 24 credit hours can be presented for graduation as electives.
Double Major: Minimum 48 credit hours in each Major subject as specified by the department/program.
Cognates: Minimum of 18 credit hours/Maximum of 36 credit hours from related departments.
Major and Cognate Courses: Minimum 66 credit hours. Cognate Requirement is in addition to Major Requirement minimum 48 credit hours. Cognate Requirement can be met through Area courses and as part of the Area Requirement, so long as the sum of Cognate and Major Requirements is the minimum 66 credit hours.
Maximum Required courses: Maximum total of cognate and major courses is 90 credit hours combined.
Core: Minimum 24 credit hours of Women's and Gender Studies Core courses from:
WGS-1232(6) Introduction to Women's and Gender Studies
WGS-3300(6) Feminisms: History, Perspectives and Practice and 6 credit hours from Core courses at the 4000 level
Area: Minimum 18 credit hours of Women's and Gender Studies Area courses to include a minimum of 3 credit hours from each of three disciplinary groupings: 3 credit hours in Humanities, 3 credit hours in

WGS-2301(3)

Additional Information:

Any of the four introductory courses offered by the Biology Department will satisfy both the University Science requirement and the prerequisite needed for **BIOL-3562(3)** Human Reproductive Biology and **BIOL-3563(3)** Human Embryology. Some of the Area courses have prerequisites, so students should plan their first-year courses with these possibilities in mind.

Suggested Sequence of courses for BA Honours (with requirements underlined)

| | |
|---------------------------|--|
| ENGL-3951(3) | Topics in Feminist Theory |
| ENGL-3901(6)* | Twentieth-Century Gay and Lesbian Literature |
| ENGL-4901(6) | Topics in Gender, Literature and Culture |
| ENGL-4341(3)* | Individual Author I (in some years) |
| ENGL-4342(3)* | Individual Author II (in some years) |
| FREN-3281(3)/ 4281(3)* | Women in French Literature: A Historical Overview |
| FREN-3282(3)/ 4282(3)* | Women in Twentieth Century French Literature |
| FREN-3884(3)/ 4884(3) | Francophone Black Feminist Literature |
| GERM-2307(3)/ 3307(3)* | Women and German Literature in Context I |
| GERM-2308(3)/ 3308(3)* | Women and German Literature in Context II |

historical and contemporary feminist concepts and their implications for feminist practice through a combination of lectures, presentations, and seminar discussions. While specific topics vary, the course addresses past feminist thought, established and emerging feminist concepts, the effects of feminist concepts on traditional disciplines, and current issues of concern to feminists.

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GRADUATE STUDIES

1. Degrees Offered
2. History of the Master's Programs

point average of 3.0 or higher. Applicants who have been accepted for admission will be placed in one of the following groups.

Note: The individual departments offering Master's Programs may have admission requirements which are more stringent than the minimal requirements for admission to Graduate Study.

a. Pre-Master's Students

Students entering graduate study with the 3-Year BA or BSc may be eligible for admission to a qualifying program of study termed "Pre-Master's Study." Additionally, a student applying for graduate studies may be assigned to Pre-Master's Study if there are specific gaps in their undergrad record which need to be addressed. The Pre-Master's Program is assigned by the head of the major Department. It is designed to bring the standing of the student in the major subject approximately to the level of that of Honours graduates and to provide any necessary prerequisites for the ancillary subjects. In order to be admitted into a Pre-Master's Program the applicant must possess a Bachelor's degree and must have attained in the last two years of the undergraduate program a composite grade point average of 3.0.

To qualify for admission as a Master's student, a Pre-Master's student must attain a composite grade point average of 3.0 with no grade below a C+ (2.5 grade point). Completion of a Pre-Master's Program does not guarantee admission into a Master's Program. All students must submit a Graduate Studies application for admission to any of the Graduate Programs.

b. Master's Students

To qualify for admission to a program of study, students must hold the Bachelor of Arts (Honours) degree or equivalent.

c. Occasional Students

An Occasional Student is one who wishes to take graduate courses with no intention of proceeding toward an advanced degree at The University of Winnipeg. Occasional Students meet the same degree and grade point average entrance requirements as regular graduate students. Students must write final examinations in the courses taken (except when students wish to audit courses), but receive no credit toward a degree. Regular graduate student fees apply but are assessed on an individual course basis. Under special circumstances, an occasional student may apply for permission to proceed to a degree program and apply to receive credit for courses taken in the category of occasional students. Such a transfer is not automatic, and individual cases will be judged on their merit.

Fees paid by a student while registered as an Occasional Student are not applied to a degree program at a later date.

PLAR Option

In special cases where a student has had previous experience or academic qualifications, consideratio

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four or more years of education in a recognized secondary and/or post-secondary institution in which the language of instruction is English. Requests for a waiver must be submitted at the time of application and will be considered on an individual, case by case basis.

g. Language Reading Requirements

The History and Religious Studies Departments require all candidates for the Master's degree to pass a test demonstrating a reading knowledge of a second language. (Language reading tests may be waived upon the special recommendation of the Graduate Studies Committee.)

h. Aui

book. In this case, acknowledgement should be made that the work was originally part of a thesis at The University of Winnipeg.

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MASTER OF ARTS

AND

one of either:

- **ABOR- 1101(6)** Introductory Cree
- or
- **ABOR- 1201(6)** Introductory Ojibwe

Elective Courses

AG-4200/7200(3) or (6) Seminar in Selected Topics
AG-7030(3) Directed Readings
AG-7040(6) Directed Readings

COURSE DESCRIPTIONS

AG-4200/7200(3) or (6) SEMINAR IN SELECTED TOPICS

The contents of this course focus on particular aspects of Aboriginal Governance and may include topics on philosophical, social, economic, political or other issues.

Selected topics are examined in a seminar offered bAb962(r)486(n3882(i)-2.31286(65-8.44093(.12989(i)-22989(h)26962(e)2.69)-8.44093(o)2.6962)2.6

MASTER OF SCIENCE IN APPLIED COMPUTER SCIENCE AND SOCIETY (ACS)

Chair: F. Chan; **Professors:** F. Chan, S. Liao, S. Ramanna; **Associate Professors:** Y. Chen; **Assistant Professors:** P. Atrey, R. McFadyen.

DEGREES/PROGRAMS OFFERED M.Sc.

The department offers a Master's program at the graduate level in **Applied Computer Science and Society** with a focus on issues of technology and ethical/human/social aspects of computing. We offer courses in three core clusters that represent frontiers of the discipline. These are: *Information Representation, Search and Management, Intelligent Systems, and Systems Development.*

AREAS OF RESEARCH

The department has faculty working in the areas of algorithms and complexity, computational intelligence, computer vision, data warehousing, discrete mathematics, distributed comp

COURSE DESCRIPTIONS

Information Representation, Search and Management Cluster:

ACS-7101(3) ADVANCED DATA STRUCTURES AND ALGORITHMS FOR APPLIED COMPUTER SCIENCE

(Le3) This course examines methods for designing efficient data structures and algorithms such as signature trees, suffix trees, compressed transitive closures, and the algorithms for tree inclusion, tree matching, linear-time suffix tree construction, as well as arc consistency problem. Other topics include problems in specialized databases such as Web and Document, DNA and Deductive Databases.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

ACS-7102(3) WEB AND DOCUMENT DATABASES (Le3)

The focus of this course is the in-depth study of research issues associated with specialized databases-web and document databases. Emphasis is placed on examining basic theoretic issues such as system architectures, data storage and data retrieval. Other topics include specific methodology related to DNA databases.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

ACS-7103(3) SEMANTIC WEB (Le3) This course examines current issues related to the next generation of the World Wide Web: the Semantic Web that is intended to convert the Web into a more practical globally linked database.

Topics comprise document markup languages, access privileges, business rules, and processing models for managing data. A typical project involves the design and implementation of an application for managing semi-structured data using XML technologies.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

ACS-7500(3) GRADUATE THESIS (P) Graduate thesis research. Detailed exploration of an area of applied computer science chosen for thesis research.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

MASTER OF SCIENCE IN BIOSCIENCE, TECHNOLOGY & PUBLIC POLICY (BIOL)

Graduate Chair: Sarah Good-Avila

The power of science to change the face of modern society is growing at an ever increasing pace. Science and technology are tools that can and do improve the human condition in many ways. But the rapid pace of change also brings unforeseen consequences and perils. Science and technology cannot develop effectively within a social vacuum. The objective of this program is to train students not only in the advanced methods of science, but to place this body of knowledge in the broader context of modern society.

Biology plays an ever increasing role in the development of science and technology, and all aspects of the discipline are changing with advances in molecular biology. Our graduate students receive advanced training in technology including the methods of molecular biology. Our program provides every student with a skill set that prepares them to work in both academia and industry at an advanced level in every area of biology.

The program's specific objectives are to:

1. Provide students with breadth and depth of knowledge in their field of study while providing the skills to communicate effectively and to make informed decisions.
2. Provide an understanding of the ethical problems facing our society, and an appreciation of the full range of human, aesthetic and environmental values.
3. Train students in a16(n)2.6962()-6.12s e32989(a)2.69438(c)-8.44v8(,)-6.12624()-6.1s3eurie in a16(n)2.6962()-66.12989()-6.12989(a)2.69803(n)

the methodology. Students in their second year are expected to add to their presentation results and conclusion, and provide an idea of likely future direction.

BIOL-7201(3) MOLECULAR BIOTECHNOLOGY This course equips Graduate students with theoretical and hands-on experience. Topics include, but are not limited to, techniques used for DNA, RNA and protein isolation, gel electrophoresis, molecular markers and DNA fingerprinting, Southern and Northern hybridization, the polymerase chain reaction (PCR), and DNA sequencing. The application of these techniques in diagnostics (e.g., DNA fingerprinting, pathogen typing, species identification) is emphasized.

PREREQUISITES: Acceptance in the graduate M.Sc.

program. ~~BIOL-7201(3) MOLECULAR BIOTECHNOLOGY (2.6962(n)2.69e2(a)2.6962(t)-6.12989(i)-2.31286(c)-6.42093(k)-6.42093(l)-6.502963(h)-6.502962(i))~~

MASTER OF ARTS ENGLISH WITH A FOCUS IN CULTURAL STUDIES

Graduate Chair: Mavis Reimer

This course-based M.A. program is intended to give students an excellent basis to pursue a Ph.D. in English and Cultural Studies. In addition, M.A. degrees increasingly are valued in secondary-school teaching, publishing, management, marketing, and ot

MASTER OF ARTS IN HISTORY (HIST / HIST)

NOTE: The University of Manitoba department/program cod

regulation, class, nation and colonialism.

HIST-7509(6) / HIST 7290 READING SEMINAR IN CANADIAN HISTORY, 1860 TO THE PRESENT While the specific course content may vary from year to year, the general approach shall be to ensure a broad sampling of the secondary literature in Canadian history. Political, social and economic themes will be emphasized and particular concern shall be taken with historiographical controversy.

HIST-7510(6) / HIST 7600 NORTHERN HISTORICAL STUDIES This course is based upon a number of studies of various aspects of the North. Particular emphasis i

state.

GENERAL

HIST-7005(6) / HIST 7700 HISTORICAL METHODS A
seminar and workshop in historical method. The topics

Area I - Theoretical Foundations

MFT-7551(1) Graduate Seminar in Marriage and Family Therapy Theory This seminar is designed to correlate theory, research and clinical practice. Students select research topics stimulated by their clinical practice. Research will include an examination of relevant literature, reflection on best practices relative to the student's clinical interest, and the presentation of findings for peer examination and reflection. The course provides opportunities for peer assisted research, inclusive of assisting the student with defining the area of interest, helping the student conduct the research and examining the results of the research. The major objective of this research is to examine the implications of the theory for the best clinical practice.

RESTRICTIONS: This course is to be taken towards the end of one's clinical training; therefore, it is normally limited to 4th Practicum students.

MFT-7552(4) Survey of Family Therapy Theories This course introduces the student to the systemic concepts that form the background for family therapy as a discipline and the family therapy theorists who

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MFT-7571(1) Abuse in the Family – Practice: This second()part of the Abuse course focuses on practical application of the therapist's understanding of trauma to actual cases, and working on the self of the therapist.

PREREQUISITES: MFT-7571 (2) Abuse in the Family - Theory and MFT-7581(6) Supervised Marriage and Family Therapy

MFT-7573(3) Selected Topics in Marriage and Family Therapy These course topics give attention to selected techniques and approaches to marriage and family therapy

**MASTER OF PUBLIC
ADMINISTRATION (POL / POLS)**

co-operative education in the MPA program and take part in a competitive job-matching process conducted in an Employers' Forum. Students who are eligible for co-op, but who are not matched with a co-op work term, will be able to continue in the regular MPA program. Co-op students who have successfully completed one full academic year of course work, and the required non-credit courses, and who have satisfied the MPA requirements for continuation in the program, will be eligible to engage in their first work term placement.

Each work term is 13 weeks duration and each work term carries 3 hours of course credit for which registration is required. Co-op students are considered to have full-time student status while engaged in a work term placement. Co-op students must successfully complete two

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FACULTY OF THEOLOGY

The Faculty of Theology serves our multi-faith, multi-cultural, and multi-denominational communities by providing graduate study and theological programs to equip leaders for the ministries of faith, justice, peace, and healing.

We seek to carry out our mission in the following ways:

- S We partner with other schools, centres, and programs to provide a multi-faceted and integrated approach to education for leadership.
- S We promote critical reflection through teaching, research, and writing that is contextual and global in perspective, that is liberating, and that leads us to live with respect in creation.
- S We create a safe and supportive community of learning that values diversity.
- S We seek peace and justice especially through our programs in interfaith cooperation, partnerships with Aboriginal communities, education for ethnic church leadership, and the Peace and Justice concentration in our Master of Arts program.
- S We facilitate healing in our communities through programs in Family Therapy, Pastoral Education and Counselling, Spirituality and Spiritual Direction, and for Elders in community organizations.
- S In all our work we build on the historic contributions of the United Church of Canada and its founding denominations, and we are committed to theological education and to the liberating gospel of Jesus Christ.

The Faculty of Theology publishes a separate Calendar, which may be obtained from The Faculty of Theology Office. The Faculty reserves the right to change policies and procedures at any time after the publication of this Calendar. Please consult the Faculty for the most current information, in the Bryce Hall office, by phone at (204) 786-9390, or Toll Free (North America) 800-679-8496, email at theology@uwinnipeg.ca or website at theology.uwinnipeg.ca.

The Master of Arts is an academic clai 0 TD0.e91(62 ac stuenotsinterf0 TD00.59stid fn peuf0 TDsung)7TJ26.0 TD0.00144Tc0.03036Tw[(theolo

The program requires the equivalent of two years of full time study (60 credit hours). In some cases advanced standing may be given, but a minimum of 33 credit hours must be taken at the Masters level at The University of Winnipeg Faculty of Theology. The remaining 27 credit hours may be completed at either The University of Winnipeg, Faculty of Theology, one or more of the Cooperative partners, or by Letter of Permission at another accredited institution approved by the Faculty of Theology.

In some cases advanced standing may be granted for appropriate graduate level credits as reviewed with the Faculty of Theology Registrar/Director of Life-Long Learning. No advanced standing upon admission will be given for undergraduate courses, or courses applied to a previous degree. For the core curriculum, equivalent courses in alternative scriptural and religious traditions may be substituted with authorization of the Academic Council of the Faculty of Theology. The degree may be completed on a part-time basis.

Candidates normally complete the work for this degree within a six year period (including thesis), which may be extended through written permission from the Faculty.

The Master of Divinity Program is primarily for those with an appropriate undergraduate degree who are preparing for a vocation in ministry. The Cooperative arrangement makes this multi-denominational program attractive to students in many traditions and particularly to those represented by the Church Colleges and the Faculty of Theology.

The normal admission requirement for the MDiv program is a recognized Baccalaureate degree. Prospective applicants who are currently in pre-MDiv studies are advised to seek a basic general knowledge of past and present culture through studies in the humanities and natural and social sciences. Biblical languages, Latin, and modern languages such as German, French, and Spanish, are also valuable. Students from designated Bachelor of Theology degrees will be considered for admission.

Students with the equivalent of an Honours undergraduate degree (i.e., four full years in recognized post-secondary study) with a major in Religion could receive up to one year of transfer credit towards the MDiv (i.e., a student with both a completed BA and BTh).

The program requirements reflect a balanced MDiv program to be taken upon completion of most undergraduate degrees. The nature of the undergraduate degree, however, could result in some shifts in these requirements. Religion courses taken at the undergraduate level would not be given credit (except under the conditions noted above), but could result in exemptions from specific requirements. In some cases where the undergraduate degree is largely religion, a student may be advised to take some further courses in the humanities or social sciences. No advanced standing on entry may be given from courses applied to a previous degree. Upon acceptance, each student's earlier transcripts are evaluated by an Academic Committee to determine the program requirements for that student.

: An interview with the Registrar/Director of Life-Long Learning may be required.

The Master of Divinity requires 96 credit hours of course work or 32 half course equivalents. Advanced standing may be given in some cases but a minimum of 51 credit hours must be taken at the Masters level at the University of Winnipeg, Faculty of Theology or its Cooperative partners. The remaining 45 credit hours may be completed at either the University of Winnipeg, Faculty of Theology, one or more of the Cooperative partners, or by Letter of Permission at another accredited institution approved by the Faculty of Theology.

Candidates normally complete the work for this program within a seven year period, which may be extended through written permission from the Faculty.

Applicants who have completed their baccalaureate program over five years prior to application for admission into the MDiv program will be expected to provide evidence of their competence in the conventions of academic writing (style, footnoting, bibliographies etc.). Those applicants for the MDiv degree who have no written or other demonstrated competence in academic writing will be expected to complete an "Academic Writing" credit through the U of W Faculty of Arts within the first 12 months of the MDiv program.

The Bachelor of Theology is offered to those who qualify through one of a number of streams: i) mature students without a baccalaureate degree admitted through the Cooperative, ii) aboriginal students in a cooperative program with the Dr. Jessie Saulteaux Resource Centre, iii) some students enrolled in the program of the Centre for Christian Studies. The Bachelor of Theology degree is available to students who do not currently hold a baccalaureate degree. Candidates normally complete the work for this program within a seven year period which may be extended through written permission from the Faculty. Students may enter the program under one of the following Conditions:

The Bachelor of Theology is offered through the Cooperative in certain circumstances to mature students who complete one year in university bachelor level studies as well as 96 credit hours in the Faculty of Theology.

Students who meet the entrance requirements for the Faculty of Arts and Science of the University of Winnipeg may be admitted to the BTh program.

: An interview with the Registrar/Director of Life-Long Learning may be required.

As prerequisite to admission to this program, the satisfactory completion of 30 credit hours of University of Winnipeg undergraduate course credits is required. Such courses for credit are to be completed in at least three subject areas, selectireas, selectii-0003 Tc0.030

As well as the aforementioned prerequisites, the satisfactory completion of 96 credit hours as listed in the Master of Divinity program (See MDiv Program Requirements) constitutes the completion of the Bachelor of Theology program. In some cases advanced standing may be granted for equivalent educational experience as reviewed with the Faculty of T

One credit consists of the equivalent of 24 hours of class time plus assignments given by the instructor. One credit may also be a 3 credit hour degree course (a one term course). A Practicum is a course of 180 hours or one unit of Supervised Pastoral Education.

Two credits in Scriptural Studies & two credits in Theology/Church History are required. The remaining courses may be chosen from: Scriptural Studies; Theology/Church History; Social Action/Justice; Christian Education/Worship/Leadership; Pastoral Care / Counselling / Communication; Spiritual Direction; and Directed Studies.

The Faculty of Theology offers Certificate in Theology courses in Winnipeg and in many centres throughout

The faculty has affiliations with programs in Spiritual Direction, including:

International Languages Program

French, Spanish, Italian, German, Portuguese, Russian, Korean, Japanese, Mandarin Chinese, Arabic and Hindi are offered at a variety of levels through the Division of Continuing Education. These courses range from beginner to advanced levels (depending on enrollment). Classes focus on the acquisition of conversational skills and the grammatical structures and vocabulary needed to participate in conversations. Some practice will be given in reading and writing. Students enrolling for the first time can arrange for placement advising.

Indigenous Police Preparation Diploma Program (IPPD)

This preparatory program will focus on the academic preparation, personal wellness, and physical fitness training necessary to meet the rigorous entrance requirements for a career in law enforcement. Program graduates will be equipped for the workforce with a transferable skill set that will open up opportunities in a variety of fields including regional, municipal and tribal police forces, corrections, and Justice departments.

Walking the Red Road

The "Red Road" is a unique education and healing initiative that combines academic educators and Aboriginal Elders and Traditional People in the program delivery. The program utilizes a holistic approach integrating the mental, physical, and emotional and spiritual aspects of the individual in the learning process. In addition to classroom instruction and teaching circles/sharing circles, regularly scheduled sweat lodge ceremonies are held. This program is designed to reverse the negative effects of colonization, contribute to the healing of the participants and educate students on Aboriginal spirituality, culture, and history while stimulating interest in further education.

b. Information Technology Program Area

The Information Technology Program Area (DCE-IT) offers hands-on training on various aspects of the Information Communications Technology area. We offer the advantage of learning the skills hands on within a small classroom and with supportive and knowledgeable instructors. DCE-IT is the place to start your IT career! Once you have completed one of our programs you are ready to enter the workforce or you can transfer into a degree program. Graduating from a program you are awarded many transfer credits, which is not only shortens the time it takes to earn a degree but gives you an edge.

Full-time programs include:

Internet Systems Specialist Diploma (ISSD) Program

The ISSD is a 12 month long program including a one month long work practicum. Internet Systems Specialists are responsible for the design, development, research and maintenance of Internet, Intranet, and Extranet systems. The Internet Systems Specialist is an important new career, and will continue to be one as the Internet continues to expand.

The complex nature of Internet systems requires a Systems Specialist with skills in a wide range of technology disciplines and Internet specific knowledge. Strong foundations in networking and application development are a must along with knowledge of Internet protocols, Internet security issues and Internet server management. Above all, Internet Systems Specialists must be creative in their approach to problem solving as they are often working on the leading edge and must continually strive to keep pace with new developments.

Information Security & Management Diploma (ISMD) Program

The ISMD Program is an intensive 7 month long program. The ISMD covers topics that blend skills in information security with strategic skills in management. It is designed to provide students with a comprehensive understanding of information security fundamentals and business knowledge. The program focuses on those areas and skill sets that reflect real industry requirements for Information Security Professionals. The program uses the Common Body of Knowledge as its foundation.

- Identify the characteristics of a successful e-Business
- Use programming languages tailored for the internet

Internet Site Administration Diploma

Upon completion of this program, learners will be able to:

- Administer an internet server
- Analyze website projects for security and efficiency
- Troubleshoot PC and network hardware
- Understand basic e-Commerce site development
- Understand networking theory, and internet security concepts and policies
- Understand popular network and multi-user operating systems

Network Security Diploma

Upon completion of this program, learners will be able to:

- Understand network theory and security applications on the Internet
- Organize and design security policies
- Protect and construct secure networks
- Detect and counter-attack any possible threats
- Understand hardware components

Database Administration Diploma

Upon completion of this program, learners will be able to:

- Build and analyze data models
- Construct and administer a database
- Create small applications to extract data from the database
- Maximize database efficiency
- Transfer data into a Web format
- Understand networking theory and high-end operating systems

Software Development Diploma

Upon completion of this program, learners will be able to:

- Develop scalable software solutions for business, education and other areas
- Perform analysis and design of Information Systems
- Utilize the Object-Oriented approach to programming

DCE-IT can work with an organization to create new courses, modify existing courses to meet specific needs, or develop a partnership program aimed at training a dedicated group of staff in private customized sessions.

In order to keep up with the rapid advancements of technology and ensure that our students are proficient in the skills desired by employers, the IT Program area has created the Information Technology Program Advisory Council (ITPAC).

ITPAC is a diverse cross-section of IT specialists from both the private and public sectors, IT sector education and job market analysts, and representation from The University of Winnipeg's Applied Computer Science Department.

c. Professional Studies Program Area

Aboriginal Management Certificate Program

This program is designed to provide individuals wit

Professional Edge Seminars

An exciting and dynamic part of the Professional Studies Program Area, the Professional Edge Series is designed to respond to the critical issues facing managers. The seminars provide exposure to practical, new and profitable ideas. These seminars are characterized by limited enrollment to ensure the high degree of interaction necessary for a quality learning experience. The

no fee for this program.

English for Engineering Professionals

Classroom Program:

This is a 12 week, part-time program for engineers who obtained their engineering degree(s) outside of Canada, but wish to pursue a career in a field of engineering in Manitoba. The program focuses on the functional language and cross-cultural awareness needed for success at engineering firms, at the job site, at college or university programs, the **IEEQ Program**, or in academic level ESL programs such as **AEPUCE**. The classroom program will focus on occupation-related speaking, listening, reading, writing, guest speakers who will discuss engineering and communication topics, multi-media materials for language practice, and "culture and communication" topics. The anticipated outcome is that students will have the language skills necessary to independently facilitate their own successful participation in further professional or academic activities. This course is for internationally educated engineering graduates living in Manitoba who speak English as an additional language. Participants must speak English at a CLB level of 7 or higher. There is no fee for this course for qualifying individuals.

Online Program:

This program is for students who **live outside Winnipeg** or due to **special circumstances** cannot attend the classroom program. Lessons are accessed on the website and assignments are submitted to the tutor. Tele-conferencing, web-chats, and forums complement this program. If you are a permanent resident of Canada with a Canadian Language Benchmark of 7 or higher, there is no fee for this Program

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Menno Simons College maintains a close relationship

d. University College of the North (UCN): Inter-Universities Services

The University of Winnipeg, in partnership with Brandon University and the University of Manitoba, offers Arts & Science courses to

Engineering Majors

Aerospace Engineering

Chem CHEM-1111(3) Introduction to the Chemical Properties of Matter

Math MATH-1101(6) Introduction to Calculus or {**MATH-1103(3)** Introduction to Calculus I & **MATH-1104(3)** Introduction to Calculus II}

Phys PHYS-1101(6) Foundations of Physics I, **PHYS-2103(3)** Scientific Computing 2 or **ACS-1903(3)**

Geological Engineering
Chem CHEM-1111(3)