

# IMPORTANT NOTES

Updated March 7, 2012

## New to the University

### 1. Environmental Studies Honours Program

The Environmental Studies Program now offers Honours BA and BSc degree programs.

### 2. Faculty of Kinesiology

The Senate has approved the creation of a Faculty of Kinesiology, which includes the Department of Kinesiology and Applied Health and the Department of Athletics, effective July 2012.

### 3. Master of Arts in Environmental, Resource and Development Economics (ERDE)

The Economics department is offering this new Master's degree as of September 2012.

### 4. Minors

The Senate approved a proposal to have optional Minors available in 4-Year Arts, Science, and Business Administration degrees. Minors will be published as they are developed by Departments and Programs and approved by Senate.

### 5. Professional, Applied, and Continuing Education (PACE)

The Division of Continuing Education has changed its name to Professional, Applied, and Continuing Education.

### 6. Urban and Inner City Studies

The Urban and Inner City Studies Program is now a Department, and now offers a Certificate in Urban and Inner City Studies.

**ACADEMIC TERMS** - The University of Winnipeg offers courses in three terms. The Fall and Winter terms each have 12 weeks of classes and 2 weeks of evaluation. A full course (6 credit hours) is normally taught over two terms and a half course (3 credit hours) over one term. However, a course may also be taught in a condensed or expanded time frame. The Spring term has 8 weeks of class and there is a Summer session during the months of July and August.

**FIPPA and PHIA** - The Freedom of Information and Access to Information Act (FIPPA) and the Privacy Act (PHIA) both apply to The University of Winnipeg. The Vice-Presidents of the University have responsibility for the implementation and oversight of all matters related to both pieces of legislation. Should any of the university's policies conflict with FIPPA or PHIA, the provisions of FIPPA or PHIA shall prevail unless otherwise expressly provided for at law.

**LOSS OF SERVICE** - No liability shall be incurred by The University of Winnipeg for loss or damage suffered or incurred by any student or third party as a result of delays in or termination of services, courses or classes by reason of: acts of God, fire, floods, weather, riots, wars, strikes, lock-outs, damage to University property, financial conditions, or other happenings or occurrences beyond the reasonable control of the University.

**NATIONAL DAY OF ACTION AND REMEMBRANCE OF VIOLENCE AGAINST WOMEN** - In recognition of the "National Day of Action and Remembrance of Violence Against Women," The University of Winnipeg Senate passed a motion that on December 6: there be academic amnesty for assignments, papers, participation marks, and attendance marks for that date; that no tests or exams be held after 3:30 p.m. on that date; and that classes operate on a normal schedule on that date.

**RELIGIOUS HOLIDAYS**- Students may choose not to attend classes or write examinations on holy days of their religion, but they must notify their instructors at least two weeks in advance. Instructors will then provide opportunity for students to make up work or examinations without penalty.

**SMOKING** - The University of Winnipeg is a non-smoking environment.

### IMPORTANT NOTICE AND DISCLAIMER

The information in the 2012-2013 University Course Calendar, posted on the University's website, is considered the final and accurate authority on all academic matters. If there are differences between any published documents and the posted Calendar, the posted Calendar will be considered the authority.

The contents of this Calendar reflect the intentions of the University and the University considers to be the best interests of the academic or student community or of the University itself, or because of any circumstance or occurrence, whether occurring by or through the wilful act or negligence of the University, or otherwise and whether or not beyond the reasonable or other control of the University, and as a result of circumstances or occurrences including financial resources, natural catastrophe or disaster, the health, safety and well-being of the University.

# DATES FOR THE 2012-2013 ACADEMIC YEAR

Updated March 7, 2012

March 2012						
SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24





December 2012						
SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Dec 1

Application deadline for High School Grade 12

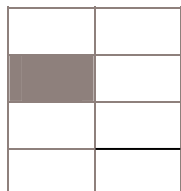
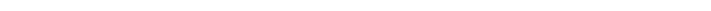
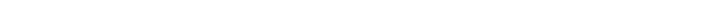
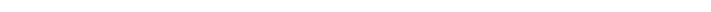
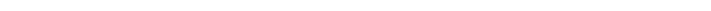
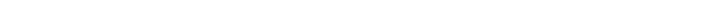
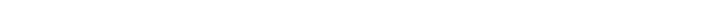
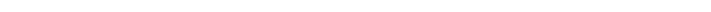
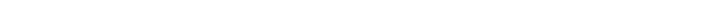
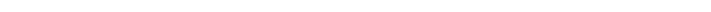
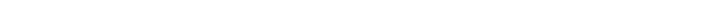
students to be considered for admission by 4:00 p.m. on Dec 1, 2012.

For more information, please contact the Office of Admissions at (907) 541-4444 or visit our website at [www.admissions.k12.ak.us](http://www.admissions.k12.ak.us).

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- Jun 5 LECTURES RESUME for all courses which begin on May 6, 2013 and end on July 3, 2013 of the 2013 Spring Term.
- Jun 5 LECTURES BEGIN for all courses scheduled in the second 4 weeks of the 2013 Spring Term.
- TBA Annual Spring Convocation for the conferring of degrees in Arts (morning) and Science and Business and  
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September 2013						
SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Sep 2    LABOUR DAY: University closed.

October 2013						
SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Oct 14    THANKSGIVING DAY: University closed.

Oct 20    Annual Fall Convocation for the conferring of degrees.



# GLOSSARY

Updated March 7/12

**-A/B-**

**Academic Misconduct:** This refers to dishonest student behaviours that subvert academic standardi

the time the course was successfully completed. N

**Non-Academic Misconduct:** Students have a responsibility to act in a fair and reasonable manner in their interactions with their peers, faculty, staff, and administration and in their use of university property. Examples of Non-Academic Misconduct include threats, using abusive language, violence, and disruptive behaviour. See, [https://www2.gov.mb.ca/edu/academic/academic\\_misconduct.htm](#) in the Course Calendar.

**-P/Q-**

**Part- Time Student:** A student who is registered in fewer than 9 credit hours per term.

**PHIA:** The acronym for the Personal Health Information Act of the Government of Manitoba.

**Plagiarism:** This is a form of academic dishonesty where an individual presents work of another person as their own.

**-U/V/W-**

**Undergraduate:** A student registered in a program of studies which leads to a Bachelor's degree.

**WebAdvisor:** The University's online registration system. Anyone can go to the University's website and click on WebAdvisor to search and read about course offerings for an upcoming term. Admitted students with an ID and password can also use this system for other functions, such as to register for courses, review their student history/transcript, and access final grades.

**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 the [Writing Requirement](#) section of the Course Calendar. Course descriptions for Academic Writing are included in the "Rhetoric, Writing and Communications" department section of the Course Calendar.

# THE UNIVERSITY

Updated March 7, 2012

1. Degrees Offered
  - a. Undergraduate Degrees
  - b. Graduate Degrees

2. Mi

efforts to raise funds from the private sector in support of programs, facilities and scholarships.

In the true spirit of the nature of universities, The University of Winnipeg has an important role in the creation of new knowledge and the exploration of new ideas. Through support of the research and other scholarly activities of faculty members, including participation in graduate studies both within the institution and in collaboration with other universities, the University ensures that teaching and learning keep pace with the ever-changing state of knowledge. Further, we are committed to providing our undergraduates with opportunities to participate in, and contribute to, these activities at a relatively early stage in their academic development.

Through the Faculty of Theology, The University of Winnipeg will work in partnership with other colleges and universities and with various denominations and religious traditions to provide certificate and graduate programs in Theology and Counselling.

Our commitment to excellence is extended to include secondary education through The Collegiate, and to life-long learning through the Division of Continuing Education.

As essential components of the University tradition, the values placed on equality and diversity, academic freedom, self governance and community service, provide the environment whereby a community of scholars, students, and faculty may have the freedom to examine ideas responsibly, and to participate in the academic operations of the institution through processes which reflect a balance between democracy, efficiency, innovation, and accountability. Our mission and role in society requires that we foster an exemplary employment environment and adopt policies and measures which foster an atmosphere free from racism, sexism, and all other forms of stereotyping, harassment, and discrimination. The University of Winnipeg values the contributions of all staff members to our academic enterprise, and will endeavour to provide a healthy work environment, improved career opportunities, and job satisfaction.

The University of Winnipeg strives to pay particular attention to ways in which institutional resources – human, cultural, athletic, and recreational – can improve the quality of life in the broader community. This includes cooperation with business, industry, government,

# ADMISSION AND READMISSION

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official fingerprint search/disposition. Please see the

French 40S  
Geography 40S  
German 40S  
Hebrew 40S  
History Western Civilization 40S  
Italian 40S  
Japanese 40S  
Latin 40S

Law 40S  
Mathematics:  
Applied Mathematics 40S or Pre-  
Calculus Mathematics 40S  
Music 40S  
(One of: Band, Choral, Guitar,  
Strings, Private Music Option)  
Physics 40S

Polish 40S  
Portuguese 40S  
Psychology 40S  
Spanish 40S  
Ukrainian 40S  
World Issues 40S

**Notes:**

- In place of English 40 (A or S level, two credits), Français and French Immersion students may present Anglais 40S or English 40 (A or S level, one credit) PLUS Français 40S or French 40S.
- Essential/Consumer Mathematics 40S is not an approved course and cannot be used to calculate Education admission.
- Advanced Placement and International Baccalaureate courses will be used to calculate the Education admission and Entrance Scholarship averages.



England (See Uni



**United Kingdom:** Advanced and Ordinary level General Certificate of Education Examining Board Certificates

**United States of America** Complete Grade 12 with a minimum of 5 Grade 12 level academic subjects

**Uruguay** Bachiller & Certificado de Notas/Calificaciones (Academic Transcripts)

**Venezuela** Bachiller/ Técnico Medio & Certificado de Notas/Calificaciones (Academic Transcripts)

**Vietnam (Post 1975)** Bang Tot Nghiep Pho Thong Trung Hoc/ Bang Tu Thai/ Chung Chi Tu Thai

**Wales (See United Kingdom)** Advanced and Ordinary level General Certificate of Education Examining Board Certificates

**Zambia:** Zambian School Certificate

**Zimbabwe:** GCE O-Level and GCE A-Level examinations

**International Transfer Students**

International students transferring to the University of York

International students transferring to the University of York

Completion of a certificate/diplom

Achieve a minimum of score of 58 in the Pearson  
Test of English (Academic).

Successful completion of Academic Level 5, in  
The University of Winnipeg's English La



Students will be assigned a letter grade of A+, A, A-, B+, B, C+, C, D, F for each course transferred from another Canadian or North American university. The University of Winnipeg does not have a standardized numerical grade conversion scale for each letter grade it awards. A grade of S (Standing) is normally assigned for course work completed at international universities and colleges. (Note: The total credit hours earned in "Standing" courses are counted towards the degree but are not included in the GPA calculation.)

Courses completed in a previous undergraduate degree may be utilized to satisfy particular course requirements of a program at The University of Winnipeg; courses taken as extra to the first degree may also be approved for credit.

University of Winnipeg equivalency is assessed by the department offering courses in the same academic discipline.

**Note:** Some departments may have limitations on course work taken beyond a specific time period.

**c. Transfer from Non-Accredited Universities or Colleges**

Students transferring from non-accredited universities or colleges (these include technical institutes and colleges of applied arts and technology) may be eligible to receive credit on transfer if they can demonstrate that courses of university standard and depth have been completed, and that the proficiency reached is of the level required by the University. Transfer credit is subject to the following conditions:

Students are eligible to receive up to a maximum of 60 credit hours of transfer towards a University of Winnipeg Degree program.

Students must have satisfactorily completed a minimum of one year (30 credit hours) of study with a cumulative grade point average of 2.50 (C+) or higher.

Transfer credit will be granted according to the appropriateness of the courses for the degree program being sought and only for courses in which the student has received a grade of C or higher.

Students will receive a grade of S (Standing) for each course transferred. The specific grade earned does not transfer.

An official transcript and detailed course outlines must be submitted to the Admissions Office for assessment.

**d. Transfer from Canadian or U.S. Bible Colleges**

Applicants who have attended a bible college, which is a Member Institution or has Candidate status with the Association for Biblical Higher Education (ABHE), may be eligible for transfer credit subject to the following conditions:

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IB Examination	University of Winnipeg recognition
Biology	transfer credit for BIOL-1115/3 and BIOL-1116/3

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Forfeit of credit will not be granted after a student has graduated from The University of Winnipeg. Students who forfeit credits under the Three-Year Statute of Limitations must fulfill the University degree requirements which are in place when they resume their studies. Students are limited to one opportunity to forfeit credit during their academic career.

# REGULATIONS & POLICIES

Updated March 29, 2012

1. **Information and Advice**
2. **Regulations Pertaining to Registration**
  - a. Period of Study for an Undergraduate degree
  - b. Definition of Full-time/Part-time students
  - c. Progress through Degree
  - d. Course Auditors
  - e. Maximum Course Load per Term
  - f. Prerequisites
  - g. Recommended Pre-Registration Advising
  - h. Major Declaration and Advising
  - i. Letters of Permission / Registration for Courses at Other Post-secondary Institutions for Transfer

**c. Progress through Degree**

Students are considered to have completed the individual years of their degree programs at the following points:

- First year - 30 credit hours completed;
- Second year - 60 credit hours completed;
- Third year - 90 credit hours completed;
- Fourth year - 120 credit hours completed;
- Fifth year - 150 credit hours completed.

**d. Course Auditors**

Auditing means taking a course without receiving academic credit towards a degree. Audited courses will be recorded on the student transcript as AU.

Current students may attend courses as an auditor provided they first request permission to audit the course from the instructor prior to their registration appointment date. If approved to audit the course, permission will be emailed to Registration.

Students wishing to change their registration from credit to audit, or audit to credit, may do so during the period for course and section changes. Any changes after this period must be appealed to the Senate Appeals Committee.

For information on fees to audit a course, please see – on the University website

*For descriptions of all student categories, see the*

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	MATH 1201	Pre-Calculus Mathematics 40S or Applied Mathematics 40S
	MATH 1401	Pre-Calculus Mathematics 40S or Applied Mathematics 40S
Physics	PHYS 1101	Physics 40S and Pre-Calculus Mathematics 40S or Applied Mathematics 40S
	PHYS 1301	Pre-Calculus Mathematics 40S or Applied Mathematics 40S
Statistics	STAT 1201	Pre-Calculus Mathematics 40S or Applied Mathematics 40S
	STAT 1501	Pre-Calculus Mathematics 40S or Applied Mathematics 40S

**g. Recommended Pre-Registration Advising**

Academic Advising is highly recommended for all first-year, continuing and transferring students. Advisors can assist students with detailed information related to registration, programs, courses, procedures, student services and academic supports. This can be done prior to registration or at and

~~403-261-5100 ext. 3670 or 403-261-5100 ext. 3671 or 403-261-5100 ext. 3672 or 403-261-5100 ext. 3673 or 403-261-5100 ext. 3674 or 403-261-5100 ext. 3675 or 403-261-5100 ext. 3676 or 403-261-5100 ext. 3677 or 403-261-5100 ext. 3678 or 403-261-5100 ext. 3679 or 403-261-5100 ext. 3680 or 403-261-5100 ext. 3681 or 403-261-5100 ext. 3682 or 403-261-5100 ext. 3683 or 403-261-5100 ext. 3684 or 403-261-5100 ext. 3685 or 403-261-5100 ext. 3686 or 403-261-5100 ext. 3687 or 403-261-5100 ext. 3688 or 403-261-5100 ext. 3689 or 403-261-5100 ext. 3690 or 403-261-5100 ext. 3691 or 403-261-5100 ext. 3692 or 403-261-5100 ext. 3693 or 403-261-5100 ext. 3694 or 403-261-5100 ext. 3695 or 403-261-5100 ext. 3696 or 403-261-5100 ext. 3697 or 403-261-5100 ext. 3698 or 403-261-5100 ext. 3699~~







However, during these peak periods this process could take seven to ten (7 - 10) working days.

A student's record is confidential. Transcripts are issued only at the request of the student. All transcript requests must be accompanied by payment (see [link](#) on the website). Transcripts will normally be issued within five (5) working days after the written request has been received by Student Records.

Transcripts will not be issued until all financial obligations to the University and any "Holds" which have been placed on the student's record, including Library, Admissions, and Awards and Financial Aid, have been cleared.

Students who require proof of degree completion prior to convocation can request a letter from the Convocation/Academic Program Officer in Student Records.

## **6. Prior Learning Assessment and Recognition**

### **- Challenge for Credit**

Prior Learning Assessment and Recognition (PLAR), at The University of Winnipeg, is a method by which a student may, with appropriate evidence and documentation, be able to obtain credit for learning acquired outside the University.

**Note:** Regulations and procedures for PLAR in the Professional, Applied and Continuing Education (PACE) and Graduate Studies Programs may differ from those of the Faculties of Arts, Science, Education, Business and Economics, and Kinesiology. Please check with PACE or Graduate Studies for information.

#### **Procedures:**

- The student must apply to and be accepted by The University of Winnipeg.
- The student reviews PLAR instructions on the Adult Learner Services website and then consults with the Coordinator of PLAR in Student Services and applies for Challenge for Credit.
- The student must provide a summary of prior learning and receive permission to PLAR a course for credit from the Department Chair/instructor offering the course.
- The student will complete appropriate advising and orientation as determined by the University and the department.
- The Department Chair/instructor will determine the appropriate mode(s) of assessment for the course(s) (e.g., portfolio, examination, demonstration, interview, presentation).
- Once the student and Department Chair/instructor agree to proceed with PLAR, the student must complete and sign an Assessment Agreement Form in consultation with the Department Chair/instructor and return the form to the Coordinator of PLAR.

- The fee (½ the course fee) must accompany the Assessment Agreement Form.
- Within the set deadline the student completes the agreed upon assessment(s).
- If the student does not receive credit after challenging a course, a note to this effect will be placed in the student's file but will not be entered on the student's WebAdvisor transcript or the official transcript.
- If a student does not receive credit after completing the assessment process, one further attempt can be made to challenge for credit after a minimum of six months, provided the student produces evidence of additional learning. The course instructor may inform the student of areas where learning is inadequate and may be able to recommend ways to acquire or demonstrate that learning.

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**7. Academic Standing and Status Evaluation**  
**a. Grade Point Requirements for Degrees**

**Summary of GPA requirements for degrees granted by the University of Winnipeg**

Degree	Minimum weighted GP	R979 425 0 Td (n9597 0 Td785 -8.1 Td (R979 4256297 0 Td (g)Tj 3.9 297 0 Td (g)Tj 3.9 297 448.28.3j 3.90744 0744 0 Td (i)Tj 1.508 Td ( )
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d. Probationary Status Students  
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**suspension from the University for a defined period of time;**  
**withholding or rescinding a University of Winnipeg degree, diploma or certificate;**  
**expulsion from the University.**

In those cases where an instructor has decided that an action has resulted from a lack of knowledge of appropriate practices rather than misconduct, the instructor may offer the student the opportunity to resubmit the work with appropriate changes, take a make-up test or examination, or submit a make-up assignment. No penalties, including those listed above, shall be assessed and no record kept of these cases which are not academic misconduct.

#### **Academic Misconduct Procedures**

The following is a synopsis of the procedures used in the Faculties of Arts, Business and Economics, Education, and Science when a formal allegation of academic misconduct is received. (1)Tj 1.8034

request from a student for a hearing, the Committee shall schedule a hearing at which the student may be represented by counsel. In cases where the student does not request a hearing, the Committee may decide the matter based on the written material and other available evidence and information.

After considering all of the available material, information and evidence, the Senate Academic Misconduct Appeals Committee may:

- uphold a finding of academic misconduct;**
- revise a finding of academic misconduct;**
- confirm a penalty;**
- assess a different penalty; or**
- allow the appeal and dismiss the case.**

The Senate Academic Misconduct Appeals Committee shall provide written notice to the student of its decision, its reasons and the student's right to make a final appeal to the Senate Executive Committee within 15 calendar days of receiving the notice.

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## 10. Grade Appeals

### a. Grades on an Individual Item of Work

An individual item of work includes any single piece of work in a class, including the final test or examination. Appeals of grades on individual items of work are heard by the Departmental Review Committee, which rules on appeals made to the Department. Normally the Department is the highest body of appeal against grades on individual items of work.

#### Grounds for an Appeal

To make an appeal, a student must have cause to believe that a grade assigned on an individual item of work was unjust.

#### Procedures

The student should first discuss the matter with the instructor. If, after discussion with the instructor, the student has reason to believe an injustice has been done, the student may then write an appeal to the Chair of the Departmental Review Committee.

For individual items of term work graded during classes, students must discuss the matter with the instructor within seven working days after notification of the grade. The written appeal to the Chair of the DRC must be submitted within two working days after the discussion with the instructor.

For final items of term work graded after the end of classes, or for final term tests or examinations, students must have submitted their written appeal to the Chair of the DRC within six weeks after the last day of exams for the term in which the course is offered.

**All appeals** submitted to the Chair of the Departmental Review Committee should include:

- a copy of the work which is the subject of the appeal;
- grounds for the appeal;
- a summary of the conversation with the instructor.

Students should expect that the disputed grade will be reviewed in a context other than the one that generated the original grade. Either the Committee or the Department Chair notifies the student in writing of the result of the appeal. The instructor will be fully informed of the student's submission.

### b. Final Grades

The final grade is the official final grade that appears on the student's statement of marks from the Registrar. Appeals of final grades are heard by the Departmental Review Committee, which rules on appeals made to the Department. Normally the Department is the highest body of appeal against final grades.

#### Grppalés



More information on all Library Policies can be found at  
<http://library.uwinnipeg.ca/about-us/policies>

**Loan Periods and Fines:** For information on loan periods for all types of library materials (including books, journals, media, course reserves, etc.) and fines, see the website:  
<http://library.uwinnipeg.ca/about-us/loan-periods-and-fines>

e. Acceptable Computi

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- students receiving 60% or more but less than 80% average 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 a 3 credit hour course may register in a 6 credit hour course instead.

Unless prescribed in a specific program, the following students are not required to meet their Academic Writing requirement with RHET-1110(6) or RHET-1115(6), but are encouraged to do so rather than with the 3 credit hour options:

- 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 ~~Ed~~(d)Tj 4.44849 0 9

**Physics:**

All courses

**c. Majors leading to Bachelor's Degrees**

**Bachelor of Arts Majors**

Anthropology (ANTH)	3-Year, 4-Year, Honours
Applied Computer Science (ACS)	3-Year, 4-Year
Classics (CLAS)	3-Year, 4-Year, Honours
Communications (COMM)	4-Year Joint Diploma/Degree (UW/RRC)
Conflict Resolution Studies (CRS)	3-Year, 4-Year
Criminal Justice(CJ)	3-Year, 4-Year, Honours
Developmental Studies (DEV)	3-Year, 4-Year Joint Diploma/Degree (UW/RRC)
Disability Studies (DIS)	3-Year, 4-Year, Honours
East Asian Languages and Cultures (EALC)	3-Year, 4-Year

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, **or** 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 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  
Major: Minimum 30 credit hours  
Double Major: Minimum 30 credit hours in each

Double Honours: Minimum 36 credit hours in each Honours subject as specified in each department/ p

minimum 9 credit hours are at the 4000 level.  
Double Honours: Minimum 30 credit hours, including 18 credit hours at the upper level (3000/4000) of which a minimum 9 credit hours are at the 4000 level in each Honours subject.

**General Degree Requirements**

Humanities: 12 credit hours  
Science: As detailed in each department/program.  
Writing: Minimum one 3 credit hour course of Academic Writing.  
Distribution: Minimum 3 credit hours in each of five (5) subject areas.  
Maximum Introductory Courses: Maximum 42 credit hours at the 1000 level, including maximum 6 credit hours at the 0000 level.

**HonouriH**



## 9. Second Bachelor Degree Requirements

This Section outlines the regulations specific to students seeking a second or simultaneous University of Winnipeg Arts, Science, or Business Administration degrees.

- a. University of Winnipeg Students seeking tw425n05j 3.36648(7) (4s) 693.0484 (1) Tj d. 86743d 063(7) Tj 2164905 Tj (0) Tj 84.28874084 (6) Tj 4



**b. Key to Course Descriptions**

Department  
Course Number  
Credit hours  
**Course Title**  
Instructional Code  
Lecture/Discussion Hours  
Lab Hours

ENGL-2603(3) **Short Fiction**(Le3)  
PHYS-2201(6) **Electricity and Magnetism**(Le3,La3)

**Instructional Code Designations:**

Le Lecture/Discussion  
La Lab  
S Seminar/Discussion  
D Directed Reading

PHYS-2201(6) **Electricity and Magnetism**(Le3,La3) 4.4349.0416.00  
ENGL-2603(3) **Short Fiction**(Le3) 4.4349.0416.00



This program combines specific practical training with the leading edge business education. Students are admitted to the program at the University of Winnipeg after completion of the RRC diploma. They enrol at The University of Winnipeg for the final two and a half years of study. Details of the program may be found in the Business and Administration section of the calendar.

## **APPLIED STUDIES IN A 4-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; they receive 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.**

### **4-YEAR JOINT GEOGRAPHY/GIS DEGREE/DIPLOMA (The University of Winnipeg and Red River College)**

The University of Winnipeg offers a combi



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**REQUIREMENTS FOR A YEAR IN ANTHROPOLOGY**  
This section lists the requirements for a year in anthropology, including course numbers and credit requirements.

# REQUIREMENTS FOR A 4-YEAR BA IN ANTHROPOLOGY

<b>ADMISSION REQUIREMENT</b>	Minimum 30 credit hours completed previously. Students must consult with the Departmental Advisor in selecting Major and ancillary courses.
<b>GRADUATION REQUIREMENT</b>	120 credit hours
<b>RESIDENCE REQUIREMENT</b>	
Degree:	Minimum 60 credit hours
Major:	Minimum 30 credit hours
<b>GENERAL DEGREE REQUIREMENT</b>	
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.
<b>MAJOR REQUIREMENT</b>	
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.
Combined Major:	Minimum 60 credit hours from two (2) different majors with not less than 24 credit hours from each major subject.
Cognates:	Minimum 18 credit hours/Maximum 36 credit hours in ancillary courses. Maximum total of cognate and major courses is 84 credit hours combined.
Required courses:	<b>ANTH-1001(6)</b> Introductory Anthropology or <b>ANTH-1002(3)</b> Introductory Cultural Anthropology and Linguistics plus <b>ANTH-1003(3)</b> Introductory Biological Anthropology and Archaeology. In addition, students are required to take a minimum of 6 credit hours in courses in each of three out of four subject areas, for a total of at least 18 credit hours. Subject areas include: Cultural Anthropology (Area II), Archaeology (Area III), Biological Anthropology (Area IV), and Linguistic Anthropology (Area V). Of these, a minimum of 9 credit hours must be from three of the following: <b>ANTH-2100(3)</b> Method and Theory in Cultural Anthropology

9) 10) 11) 12) 13) 14) 15) 16) 17) 18) 19) 20) 21) 22) 23) 24) 25) 26) 27) 28) 29) 30) 31) 32) 33) 34) 35) 36) 37) 38) 39) 40) 41) 42) 43) 44) 45) 46) 47) 48) 49) 50) 51) 52) 53) 54) 55) 56) 57) 58) 59) 60) 61) 62) 63) 64) 65) 66) 67) 68) 69) 70) 71) 72) 73) 74) 75) 76) 77) 78) 79) 80) 81) 82) 83) 84) 85) 86) 87) 88) 89) 90) 91) 92) 93) 94) 95) 96) 97) 98) 99) 100)



## MAJOR REQUIREMENTS

|                 |   |
|-----------------|---|
| Single Honours: | Minimum 54 credit hours/ Maximum 78 credit hours in the Honours subject.<br>Minimum 30 credit hours in upper-level (3000/4000) Honours Subject courses of which a minimum of 15 credit hours must be at the 4000 level.   |
| Double Honours: | Minimum 36 credit hours in each Honours subject. Minimum 24 credit hours at the upper level (3000/4000) in the Anthropology component of the double Honours of which a minimum of 15 credit hours must be at the 4000 level. For the requirements of the other Honours subject consult the department involved. |

### Required courses:

**ANTH-1001(6)** Introductory Anthropology or **ANTH-1002(3)** Introductory Cultural Anthropology and Linguistics plus **ANTH-1003(3)** Introductory Biological Anthropology and Archaeology. In addition, students are required to take a minimum of 6 credit hours in courses in each of three out of four subject areas, for a total of at least 18 credit hours. Subject areas include: Cultural Anthropology (Area II), Archaeology (Area III), Biological Anthropology (Area IV), and Linguistic Anthropology (Area V). Of these, a minimum of 9 credit hours must be from three of the following:

**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  
**ANTH-2400(3)** Method and Theory in Linguistic Anthropology

## SUGGESTED PATTERN OF STUDY TO MEET MINIMUM REQUIREMENTS

Year 1: **ANTH-1001(6)** Introductory Anthropology or **ANTH-1002(3)** Introductory Cultural Anthropology and Linguistics plus **ANTH-1003(3)** Introductory Biological Anthropology and Archaeology  
Year 2: 12 credit hours in Anthropology; 3 credit hours may be at the 4000 level and 3 credit hours may be at the 3000 level  
Year 3: 18 credit hours in Anthropology including minimum 6 credit hours at the 4000 level and 6 credit hours at the 3000 level  
Year 4: 18 credit hours in Anthropology including minimum 12 credit hours at the 4000 level and 6 credit hours at the 3000 level

## GENERAL INFORMATION

### Prerequisites

The following courses are available to students without the prerequisite of **ANTH-1001(6)** Introductory Anthropology, or its equivalent 3 credit hour courses; **ANTH-2103(3)** Ethnography of North American First Peoples; **ANTH-2108(3)** Myth, Magic, and Shamanism; **ANTH-2202(3)** Archaeology of North America; **ANTH-2210(6)** Rise of New World Civilization; **ANTH-2211(3)** Rise of Old World Civilization; **ANTH-2215(3)** World Prehistory

**AREA II**  
**CULTURAL ANTHROPOLOGY**

**Note:** Either **ANTH-1002(3)** or **ANTH-1001(6)** provides a prerequisite for Cultural Anthropology courses. **ANTH-1003(3)** alone, however, is not an acceptable prerequisite for Cultural Anthropology courses.

|                   |   |
|-------------------|---|
| ANTH-2100(3)      | Method and Theory in Cultural Anthropology                          |
| ANTH-2103(3)      | Ethnography of North American First Peoples                         |
| ANTH-2108(3)      | Myth, Magic, and Shamanism  |
| ANTH-2160(3)      | Indigenous People and the Industrial State                          |
| ANTH-3100/4100(3) | History of Anthropology   |
| ANTH-3103(3)      | Applied Anthropology  |
| ANTH-3113/4113(3) | Algonquian Ethnography  |
| ANTH-3116/4116(3) | Symbolic Anthropology   |
| ANTH-3117/4117(3) | Ethnohistoric Methods and Theory                                    |
| ANTH-3120(3)      | Aboriginal Peoples of Arctic Canada                                 |
| ANTH-3125/4125(3) | Ethnographic Research Methods                                       |
| ANTH-3126(6)      | Material Culture in the History of the Aboriginal Peoples of Canada |
| ANTH-3127(3)      | History of the Aboriginal Peoples of the Northern Plains            |
| ANTH-3128(3)      | History of Eastern and Subarctic Algonquian Peoples                 |
| ANTH-3132(3)      | History of the Iroquoian Peoples                                    |
| ANTH-3160(3)      | Cultural Perspectives on Global Processes                           |
| ANTH-4102(6)      | Problems in Cultural Anthropology                                   |
| ANTH-4105(6)      | Aboriginals 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)** fulfils the prerequisite for most Archaeology and Biological 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 Civilization     |
| ANTH-2214(3)         | Archaeological Field School        |
| ANTH 2215(3)         | World Prehistory                   |
| ANTH-2220(6)         | Archaeological Field School        |
| ANTH-2221(3)         | Archaeology of the Holy Lands      |
| 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)/4213(3) | Advanced Archaeological Theory     |
| ANTH-3220(3)         | Archaeoastronomy of the Americas   |
| ANTH-3260(3)         | Classical Archaeology              |
| 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.

**EXPERIMape**  
**Erics,hf**



ANTH-2300(3) METHOD AND THEO



threefold. First it seeks to apply cultural perspectives on 'global scale theory.' Second, we discern the linkages among some of the main processes at work in 'global systems.' Main processes include communications, transportation, migration, capital, manufacture of export goods, non-state political organizations, and environmental and human health research. The emphasis is on how two or more of these interact. Third, we discuss the effects of these processes in local and regional contexts. The third

processes and their effects in regional contexts.

explored,



**RESTRICTIONS:** Students with credit in the LING-3003/4003 cannot receive credit in this course. Students may not receive credit for both ANTH-3400(3) and ANTH-4400(3).  
**CROSS-LISTED:** LING-3003(3) / LING-4003(3).

**ANTH-3405(3) TEXTUAL ANALYSIS (Le3)** This course examines the principles and methods of textual analysis as a language-centred approach to literary and non-literary discourse. Various texts are analyzed using six descriptive linguistic tools, namely sounding (phonology), seeing (graphology), wording (lexis), arranging (syntax), meaning (semology and semantics), and connecting (cohesion).

Textual analysis considers the effect of writers' choices to create

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# APPLIED COMPUTER SCIENCE (ACS)

Updated July 11, 2012

**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 S. Liao; Professors: Y. Chen, S. Ramanna; Associate Professor: P. Atrey; Assistant Professors: C. Henry, R. McFadyen; Instructors: J. Deng, E. Kaluzniacky. l a r e 0.4 B d ( o j ) T 0.5 6 8.895 -9.24 T d ( M ) T j 6.67274 25 0 T d ( ) T j 2.22425 0 T d ( J ) T j 4.02769 0 T

## REQUIREMENTS FOR A 3-YEAR BA/BSc IN APPLIED COMPUTER SCIENCE

**ADMISSION REQUIREMENT** Pre-Calculus Mathematics 40S or Applied Mathematics 40S.

**GRADUATION REQUIREMENT** 90 credit hours

**RESIDENCE REQUIREMENT**

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

**GENERAL DEGREE REQUIREMENT**

~~EN~~ Humanities: 12 credit hours in Humanities

2-year Diploma programs with an average of C+ (2.5 GPA) or better. These credits can be applied to either a Science or an Arts degree. Further details regarding the transfer of credits and course requirements are available from the Department of Applied Computer Science or from Student Services at the University of Winnipeg. Those who wish to pursue a 4-year major need to consult the Chair of the department.

## REQUIREMENTS FOR A 3-YEAR BA/BSc (INFORMATION SYSTEMS STREAM)

**ADMISSION REQUIREMENT** Consumer Mathematics, Pre-Calculus Math 40s or Applied Math 40s.

**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 for BA  
 18 credit hours in Science for BSc  
 Writing: Minimum 3 credit hours of Academic Writing.

Maximum Introductory Science Credits: 6

## REQUIREMENTS FOR A 3-YEAR BA/BSc (HEALTH INFORMATICS STREAM)

|  |   |
|--|---|
| <b>ADMISSION REQUIREMENT</b>           | Consumer Mathematics, Pre-Calculus Math 40s or Applied Math 40s   |
| <b>GRADUATION REQUIREMENT</b>          | 90 credit hours   |
| <b>RESIDENCE REQUIREMENT</b>           |   |
| Degree:                                | Minimum 30 credit hours   |
| Major:                                 | Minimum 18 credit hours   |
| <b>GENERAL DEGREE REQUIREMENT</b>      |   |
| Humanities:                            | 12 credit hours in Humanities   |
| Science:                               | 6 credit hours in Science for BA<br>18 credit hours in Science for BSc  |
| 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.  |
| <b>MAJOR REQUIREMENT</b>               |   |
| Single Major:                          | Minimum 36 credit hours/Maximum 48 credit hours in the Major subject.<br>Major courses are those in Required Courses and Electives. |
| Double Major:                          | 30 or 36 credit hours in each Major subject or program, as specified.   |
| Required courses:                      |   |
| <b>Year 1 courses: 12 credit hours</b> |   |
| <b>ACS-1803(3)</b>                     |   |

**Sociology**  
**SOC-2125(3)** Introduction to Research Design and Qualitative Research

**STAT-1601(3)** Elementary Biological Statistics II

**Statistics**  
**STAT-1501(3)** Elementary Biological Statistics I

**Conflict Resolution Studies**  
**CRS-1200(6)** Introduction to Conflict Resolution Studies  
**CRS-2210(3)** Conflict Theory and Analysis

## REQUIREMENTS FOR A 4-YEAR BA IN APPLIED COMPUTER SCIENCE

|                                   |   |
|-----------------------------------|---|
| <b>ADMISSION REQUIREMENT</b>      | Students must consult with the Department 4-Year Advisor in planning their studies. Students must have minimum 30 credit hours completed previously.  |
| <b>GRADUATION REQUIREMENT</b>     | 120 credit hours  |
| <b>RESIDENCE REQUIREMENT</b>      |   |
| Degree:                           | Minimum 60 credit hours   |
| Major:                            | Minimum 30 credit hours   |
| <b>GENERAL DEGREE REQUIREMENT</b> |   |
| 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.  |
| <b>MAJOR REQUIREMENT</b>          |   |
| Single Major:                     | Minimum 57 credit hours/Maximum 66 credit hours.<br>Major courses are those listed in Groups I and II in below.   |
| Cognates:                         | Minimum of 18 credit hours, maximum of 36 credit hours from Group III.<br>Maximum total of cognate and major courses is 84 credit hours combined.   |
| Required/Electives courses:       | Group I. See the 4-Year BSc Requirements.<br>Group II. See the 4-year BSc Requirements.<br>Group III. A total of 18 credit hours must be chosen from at most three departments that offer a BA. 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. |
| Combined Major:                   | Minimum 60 credit hours from two different majors with not less than 24 credit hours from each major subject.   |
| Prescribed courses:               |   |
| <b>ACS-1803(3)</b>                | Introduction to Information Systems   |
| <b>ACS-1903(3)</b>                | Programming Fundamentals I  |
| <b>ACS-1904(3)</b>                | Programming Fundamentals II   |
| <b>ACS-2906(3)</b>                | Computer Architecture and System Software   |
| <b>ACS-2913(3)</b>                | Software Requirements Analysis and Design   |

## REQUIREMENTS FOR A 4-YEAR BSc IN APPLIED COMPUTER SCIENCE

|                               |  |
|-------------------------------|--|
| <b>ADMISSION REQUIREMENT</b>  | Students must consult with the Department 4-Year Advisor in planning their studies. Students must have minimum 30 credit hours completed previously. |
| <b>GRADUATION REQUIREMENT</b> | 120 credit hours, that is, 90 credit hours meeting the requirements for the BA or BSc General plus 30 credit hours of additional credit hours.       |
| <b>RESIDENCE REQUIREMENT</b>  | Ed ed  |

Required courses:

**Group I:**

**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 at 2000 level or above from the Group  
II electives.

**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-2947(3)** Data Structures and Algorithms  
**ACS-3901(3)** Principles of Software Project  
Management

**ACS-3902(3)** Database Systems  
**ACS-3911(3)** Computer Networks

**OR**

**ACS-3931(3)** Principles of Operating Systems

**ACS-3913(3)** ~~Principles of Operating Systems~~



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.  
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:**

**MATH-1401(3)** Discrete Mathematics

**STAT-xxxx(3)** 3 credit hours from Statistics

##### Either

**ACS-1903(3)**

Only the Chair of the department has the authority to admit students to courses that are full.

### Graduate Studies

Students planning to continue with graduate studies are advised to consult with the Department before entering Year 2 of their studies.

### Course Substitutions

Applied Computer Science courses were formerly numbered in the **32(MATH).xxxx** series and **92/91(BUSC).xxxx**. All courses with **32(MATH).xxxx** and **92/91(BUSC).xxxx** numbers may be substituted for corresponding **ACS-xxxx** numbers in meeting degree requirements.

## COURSE LISTINGS

Students should consult WebAdvisor or the Timetable on the website for courses to be offered in an upcoming term.

**ACS-1453(3)** Introduction to Computers

**ACS-1803(3)** Introduction to Information Systems

**ACS-1805(3)** Introduction to Programming

**ACS-1809(3)** Introduction to Programming

designing websites using HTML and Cascading

chain management, robotics), for marketing (e.g., sales force automation, customer relationship management), and for human resource management (e.g., candidate selection, collective bargaining support) is highlighted, and inter-system interfaces are considered. Large, organization-wide, integrated enterprise resource planning (ERP) systems are discussed in the context of a business case. System controls and security issues are outlined for the systems studied.

**PREREQUISITES ss**

organizational strategy



# BIOANTHROPOLOGY (BANT)

Updated March 1, 2012

**Note:** The department/program code BANT replaces the former code 06. The department/program code ANTH replaces the former code 02. Students cannot hold credit for both.

## REQUIREMENTS FOR A 4-YEAR BSc IN BIOANTHROPOLOGY

|                                    |  |
|------------------------------------|--|
| <b>ADMISSION REQUIREMENT</b>       | Students must consult with the Program Coordinator or a Program Advisor when planning their studies. |
| <b>GRADUATION REQUIREMENT</b>      | 120 credit hours   |
| <b>RESIDENCE REQUIREMENT</b>       |  |
| Degree:                            | Minimum 60 credit hours  |
| Major:                             | Minimum 30 credit hours  |
| <b>GENERAL DEGREE REQUIREMENTS</b> | <b>imm</b> <b>R</b>  |





**Year 4**

9 credit hours of Biological Anthropology electives – as chosen from LIST A above

6 credit hours of Biology/Chemistry/Kinesiology electives – as chosen from LIST B above

15 credit hours of electives

**NOTE: Certain courses are not offered annually. Therefore, students should seek advising on Year 3 and Year 4 registration.**

# BIOCHEMISTRY (BCHM)

Updated March 2, 2012

**Note: The department/program code BCHM replaces the former code 85. Students cannot hold credit in BCHM-xxxx and the former 85.xxxx having the same course number.**

**Coordinator:** J. Franck; **Program Advisors:** E. Byard, D. Craig, M. Eze, P. Holloway, D. Vanderwel, M. Wiegand.

## DEGREES/PROGRAMS OFFERED

3 -Year BSc

3-Year BSc (Business Stream)

4 -Year BSc

4-Year BSc (Business Stream)

Honours BSc

## INTRODUCTION

This degree combines the information and methodologies of Biochemistry, Cell Biology, Genetics and Microbiology with the techniques of the physical sciences to investigate living systems. It is an Interdisciplinary Program which consists primarily of courses from the Departments of Biology and Chemistry. Students in the program will gain a thorough understanding of the molecular aspects of the structure, function and metabolism of living organisms. They will also obtain experience in up-to-date laboratory techniques and procedures. This is one of the most exciting areas of science at this time and students will be kept abreast

**CHEM-2103(3)** Atoms, Molecules and Spectroscopy

**CHEM-2302(3)** Quantitative Chemical Analysis

**CHEM-2401(3)** Inorganic Chemistry I

Minimum 3 credit hours selected from the following courses:

**PSYC-2101(3)** Introduction to Data Analysis

**STAT-1201(6)** Introduction to Statistical Analysis

**STAT-1501(3)** Elementary Biological Statistics I

9 additional credit hours from Biology and/or Biochemistry and/or Chemistry at or above the 2000 level (with the exception of CHEM-2501(3), CHEM-2601(6) and CHEM-2801(3)) to bring the total number of Biology, Biochemistry and Chemistry courses to 45 credit hours.

**Recommended:** **MATH-1101(6)** Introduction to Calculus OR **MATH-1103 (3)** Introduction to Calculus I **AND** **MATH-1104 (3)** Introduction to Calculus II. This course is required for the 4-Year, and Honours BSc in Biochemistry, and is a prerequisite for o

## **REQUIREMENTS FOR A 4-YEAR BSc IN BIOCHEMIS**

## SUGGESTED PROGRAM OF STUDY

## REQUIREMENTS FOR AN HONOURS BSc IN BIOCHEMISTRY

### ADMISSION REQUIREMENT

Students must consul .

## SUGGESTED PROGRAM OF STUDY

*Students **must** consult with Program Advisors in planning their programs.*

### **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  
MATH-1101(6) Introduction to Calculus  
**OR** MATH-1103 (3) Introduction to Calculus I **AND** MATH-1104 (3) Introduction to Calculus II  
RHET-1103(3) Academic Writing: Sciences (if required)  
STAT-1501(3) Elementary Biological Statistics I  
xxxx.xxxx(6) Humanities

### **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  
Two of:  
CHEM-2102(3) Thermodynamics and Kinetics **OR** CHEM-2103(3) Atoms, Molecules and Spectroscopy  
CHEM-2302(3) Quantitative Chemical Analysis  
CHEM-2401(3) Inorganic Chemistry I

One of:

PHYS-1301(6) Introduction to Physics  
PHYS-1101(6) Foundations of Physics I  
xxxx.xxxx(6) Hux x6xcs aemo Che I (d)Tj 4.44849 0 Td9q 0 Td Td (i)Tj 1.80344 0 102 0 Td (u)Tj 4.44425 0 Td (n)Tj 4.44769 0 Td ( )Tj 2.22849 0 Td (l)Tj





# BIOLOGY (BIOL)

Updated March 2, 2012

**Note:** The department/program code BIOL replaces the former code 05. Students cannot hold credit in BIOL-xxxx and the former 05.xxxx ha  
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- OR** GEOG-2309(3) Statistical Techniques in Environmental Analysis **AND ONE OF** BIOL-3492(3) Quantitative & Theoretical Biology  
or BIOL-4471(3) Ecological Methods
- OR** PSYC-2101(3) Introduction to Data







credit hours will not count towards the requirement for a major in Biology. Students who wish to use BIOL-1112(6) (Human Anatomy and Physiology) as a prerequisite for advanced courses in Biology must obtain the permission of the Department Chair.

**BIOL-1112(6) HUMAN ANATOMY AND PHYSIOLOGY**

**(Le3, La3)** This course deals with the biological study of the human organism; microscopic and gross anatomy; cellular and general physiology, and human genetics. This course is a prerequisite for the Degree program in Athletic Therapy. It is also a required component of the R.N. programs of several local hospitals. It can be taken by regular students to satisfy the Science Requirement.

**Students who wish to use this course as a prerequisite for ad<sup>isps</sup>**



**BIOL-2301(3) GENETICS (Le3, La3)** Genetics is central to the study of Biology. It deals with the processes of heredity at all

applications, genomics, manipulation of sequence database information and sequence data analysis.

**PREREQUISITES:** BIOL-2301(3)

**RESTRICTIONS:** Students may not receive credit for this course and the former BIOL-4302(3).

**BIOL-3410(3) FRESHWATER ECOLOGY (Le3, La3)** This course examines the environmental and biotic processes which operate in aquatic environments. Special emphasis is placed on Manitoba ecosystems. Topics covered include the following: water quality, physical and chemical processes operating in freshwaters, and an overview of freshwater organisms that constitute aquatic communities.

**PREREQUISITES:** BIOL-2403(3) or the former BIOL-3403(3) or BIOL-3402(6).

**RESTRICTIONS:** Students may not hold credit for this course and the former BIOL-4410(3).

**BIOL-3471(3) FOREST ECO**

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.

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components of water which affect water quality. The impacts on aquatic ecosystems and on recreational, industrial, and agricultural uses are studied. The greatest emphasis is on drinking water quality as it relates to public health and water-borne illness.

**PREREQUISITES:** BIOL-1115(3), BIOL-1116(3), and both of CHEM-1111(3) and CHEM-1112(3) or the former CHEM-1101(6). Recommended: CHEM-2202(3) and CHEM-2203(3) or the former CHEM-2201(6).

**BIOL-4451(2) FOREST EC 3**

with illustrations taken from bacterial, animal, and plant viruses.

**PREREQUISITES:** BIOL-2902(3) and BIOL-2301(3).

**COREQUISITE:** BIOL-3221(3).

**BIOL-4931(3) IMMUNOLOGY (Le3)** Immunology is the study of the defence system which the body has evolved to protect itself from external threats such as viruses and internal threats such as tumour cells. Topics to be covered include non-specific immunity, acquired immunity, the

structure, function and genetics of antibodies, antigen-antibody interactions, cells and organs of the immune system, autoimmunity, MHC and T-cell receptors, cytokine signalling and applications of immunology.

**PREREQUISITES:** BIOL-2301(3), BIOL-3221(3), and BIOL-3901(3).

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Double Major:

Minimum 69 credit hours in Biopsychology 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).

Required courses:

|                     |  |
|---------------------|--|
| <b>PSYC-1000(6)</b> | Introductory Psychology  |
| <b>CHEM-1111(3)</b> | Introduction to the Chemical Properties of Matter (or the former CHEM-1101(6)) |
| <b>CHEM-1112(3)</b> | Basic Principles of Chemical Reactivity (or the former CHEM-1101(6))           |
| <b>BIOL-1115(3)</b> | Cells and Cellular EMr   |



Minimum 3.0 GPA (B) based on all attempts (including course repeats and failures) in Psychology and Biology  
Minimum 2.75 GPA (C+) in all Non-Honours Subject courses 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

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

#### GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities  
Science: 18 credit hours in Science  
Writing: Minimum 3 credit hours of Academic Writing  
Distribution: Minimum five (5) different subjects

#### HONOURS REQUIREMENT

Single Major: Minimum 87 credit hours in the subject as per the Required Course list  
Double Major: Minimum 87 credit hours in Biopsychology 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).

Required courses:

**PSYC-1000(6)** Introductory Psychology  
**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))  
**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-2301(3))

# BUSINESS AND ADMINISTRATIOI D

- BUS-2103 (3)** Fundamentals of Organizational Behaviour
- BUS-2210 (3)** Fundamentals of Marketing
- BUS-2440 (3)** Fundamentals of Human Resource Management
- BUS-2501 (3)** Fundamentals of Production and Operational Management
- ACS-1803 (3)** Introduction to Information Systems
- ECON-1102 (3)** Introduction to Economics: Micro
- ECON-1103 (3)** Introduction to Economics: Macro
- POL-2320 (3)** Government-Business Relations in Canada,

Corporate Social Responsibility Requirement:

Select one of the following courses:

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Additional Business Requirement: Minimum 3 credit hours of Business courses at the 3000 level or above (i.e. BUS-3###).

BUS-3110 (3) or BUS-3255 (3) can be used to fulfill both the Corporate Social Responsibility and the Additional Business Requirement.

Double Degree:

Full 3-year BBA degree requirements as above and specified number of credit hours in other degree program.  
 Courses eligible for both programs may be counted towards both degrees.  
 Please note that additional credit hours will need to be completed to receive two degrees.

Combined Major:

Minimum 48 credit hours from two (2) different majors with not less than 18 credit hours from each major subject. For the Business and Administration component, the following 18 credit hours are required at a minimum.

**Students will be granted one degree (e.g., BBA, BA, or BSc) that reflects the degree program in which they graduate.**

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**BUS-2010 (3)** Fundamentals of Financial Management and Administration

**BUS-2103 (3)** Fundamentals of Organizational Behaviour

**BUS-2210 (3)** Fundamentals of Marketing

**BUS-2440 (3)** Fundamentals of Human Resource Management

**BUS-2501 (3)** Fundamentals of Production and Operational Management

**ACS-1803 (3)** Introduction to In0 Td (3)Tj 4.44849 0 Td (n)Tj 4.44849 0 Td ( )Tj 2.22



**BUS/ECON-2820(3)** Corporate Finance II  
**BUS-3003(3)** Cost Accounting  
**BUS-3102(3)** Intermediate Accounting Assets  
**BUS-3103(3)** Intermediate Accounting Equities  
**BUS-3110(3)** Ethics in Management  
**BUS-3120(3)** Canadian Taxation  
**BUS/HIST-3135(6)** The Hudson's Bay Company and The  
Modern Department Store  
**BUS-3230(3)** Advertising  
**BUS-3240(3)** Consumer Behaviour  
**BUS-3250(3)** Not-For-Profit Management  
**BUS-3255(3)** Social Enterprise: From Theory To Practice

**RESTRICTIONS:** Students may not receive credit for both this course and PSYC-2440(3) or the former PSYC-2101(6).

**BUS-2210(3) FUNDAMENTALS OF MARKETING (Le3)**

This course surveys the marketing practices of organizations. It includes analysis of customer behaviour and markets, and methods of satisfying them. This course is normally taught on a case-study basis.

**PREREQUISITE:** BUS-1202(3) or the former BUS-1101(6) with a grade of at least C.

**BUS-2301(3) MANAGEMENT OF CO-OPERATIVES**

**(Le3)** This course is an introduction to the unique challenges involved in the management of cooperatives. It aims to build students' appreciation of cooperatives as a viable model of economic development. The course focuses on the methods by which mainstream governance, accounting, personnel, and marketing practices can be adapted to fit the cooperative model. A combination of lectures, readings, guest speakers, case studies and discussion helps students develop an understanding of cooperative principles and values and the history of co-ops. Students learn about Manitoba's cooperatives, as well as national and international co-op networks.

**PREREQUISITES:** One of BUS-1201(3), UIC-1001 or AG-1015 or Departmental Approval.

**BUS-2440(3) FUNDAMENTALS OF HUMAN RESOURCE MANAGEMENT (Le3)**

This course introduces students to the theory and practice of managing an organization's human resources. Topics include job evaluation, employee selection, employment equity, compensation, appraisal, and benefits. It may also include topics

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**BUS-3230(3) ADVERTISING (Le3)** This course will provide students with a thorough understanding of advertising/sales promotion principles and methods. Topics include the role of advertising agencies; the function and benefits of advertising and sales promotion for business and other institutions, including not-for-profits; and the economic, social, legal, and ethical responsibilities which attend mass communication with the public. The term project for this course, which will be done in groups, will develop and present a full-scale advertising campaign.  
**PREREQUISITE:** BUS-2210(3) with a grade of C or better.

**BUS-3240(3) CONSUMER BEHAVIOUR (Le3)** This course is a case-based study of the buying behaviour of individuals and organizations. It analyses the motivations, roles, and behaviour of consumers, and examines how they are affected by economic, social, and cultural influences within society. Students will also learn how marketers develop models of this consumer behaviour for business and administrative decision-making purposes.  
**PREREQUISITE:** BUS-2210(3) with a grade of C or better.

**BUS-3250(3) NOT (3) ~~3~~ ~~1111~~**

at a manufacturing facility, distribution to a retailer, sale of the finished item to the customer, and service activities that follow the sale. How to effectively manage the supply chain is a central issue for all levels of management, regardless of industry. This course is aimed at exposing students to the updated topics and issues covered in supply chain management. Students are exposed to a variety of issues related to supply chain design, purchasing, operations, logistics, and coordination.

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for students in their final year of study as a capstone to the Administrative Studies degree program.

**PREREQUISITES:** A minimum average of C in either BUS-2002(3) or BUS-2010, BUS-2103(3) or PSYC-2440(3), BUS-2210(3), BUS-2440(3) and BUS-2501(3).

**BUS-4940(3) EMERGING MARKETS AND BUSINESS**

**PRACTICES (Le3)** This course focuses on the prevailing business practices in the emerging markets. It covers the business practices in the emerging markets.



# CHEMISTRY (CHEM)

Updated July 11, 2012

**Note: The department/program code CHEM replaces the former code 08. Students cannot hold credit in CHEM-xxxx and the former 08.xxxx having the same course number (e.g., CHEM-1111(3) and 08.1111(3)).**

Chair: D. Vandey

# 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

**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 33 credit hours/Maximum 48 credit hours in Major subject.  
Double Major: 33 credit hours in Chemistry and specified number of credit hours in the other department/program.

Required courses:

**CHEM-1111(3)** Introduction to the Chemical Properties of Matter  
**CHEM-1112(3)** Basic Principles of Chemical Reactivity  
**CHEM-2102(3)** Thermodynamics and Kinetics  
**OR 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-2401(3)** Inorganic Chemistry I  
**MATH-1101(6)** Introduction to Calculus  
**OR MATH-1103 (3)** Introduction to Calculus I **AND MATH-1104 (3)** Introduction to Calculus II  
**PHYS-1101(6)** Foundations of Physics I  
**OR PHYS-1301(6)** Introduction to Physics

Plus an additional 12 credit hours of 2000-, 3000-, and/or 4000-level Chemistry courses.

Combined Major:

Prescribed Courses:

15 credit hours from CHEM-2102(3) Thermodynamics, CHEM-2202(3) Organic Chemistry I, CHEM-2203(3) Organic Chemistry II, CHEM-2302(3) Quantitative Chemical Analysis, CHEM-2401(3) Inorganic Chemistry I.

3 credit hours from CHEM-3101(3) Physical Chemistry of Condensed Phases, CHEM-3102(3) Quantum Chemistry, CHEM-3202(3) Reaction Mechanisms in Organic Chemistry, CHEM-3204(3) Organic Structure Determination, CHEM-3205(3) Organic Synthesis, CHEM-3302(3) Methods of Chemical Analysis, CHEM-3401(3) Inorganic Chemistry II, CHEM-3502(3) Intermediate Biochemistry I, CHEM-3503(3) Intermediate Biochemistry II, CHEM-3601(3) Environmental Chemistry, CHEM-3801(3) Polymer Chemistry.

**Students** must complete a Declaration of Major in a three-year Degree Program for

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.

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**CBST-1014**  
**CBST-1025**  
**CBST-1031**  
**CBST-1040**  
**CBST-1041**

**RRC COURSES**

Microbiology 1  
Data Analysis  
Introductory Biochemistry  
Quality Assurance  
Regulatory Compliance

**CBST-1070**

Principles of Hazardous Materials  
Management

**CBST-1090**

Introductory Statistics

**CBST-2017**

Microbiology 2

**CBST-3001**

Advanced Biochemistry

**ENVI-1011**

Environmental Science



compounds, and free-radicals. Spectroscopic instrumentation for structure determination is discussed, with an emphasis on infra-red (IR) and nuclear magnetic resonance (NMR) spectroscopy, and mass spectrometry (MS). The laboratory includes an introduction to techniques commonly used in organic chemistry, through the preparation, purification and characterization of compounds.

**PREREQUISITE:** CHEM-2202(3).

**NOTE:** CHEM-1112(3) may be used as a corequisite provided a minimum grade of 75 or equivalent was obtained in Chemistry 40S.

**RESTRICTION:** Students with standing in the former CHEM-2201(6) will not receive credit for this course.

**CHEM-2302(3) QUANTITATIVE CHEMICAL ANALYSIS**

**(Le3, La3)** This is a first course in analytical chemistry which examines ionic equilibria in aqueous solutions and their use in chemical analysis. This course covers both volumetric and gravimetric analysis with a detailed examination of the pertinent equilibria involved in precipitation, acid-base, and complexometric systems. The lab consists of a series of experiments designed to develop strong analytical techniques.

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

**RESTRICTION:** Students with standing in the former CHEM-2301(6) will not receive credit for this course.

**CHEM-2401(3) INORGANIC CHEMISTRY I (Le3, La3)**

This course provides an introduction to Inorganic Chemistry with a focus on fundamental concepts. The first part of the course deals with understanding and predicting molecular bonding and structure with examples taken mostly from the main group. The second part of the course deals with understanding and explaining the trends in chemical behaviour with emphasis being placed on the main group elements. Laboratory work demonstrates reactivity trends discussed in lectures.

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methods for experimental design; purification of reagents; working with air/moisture sensitive reagents; and, the isolation, purification and identification of natural products. Students set up and conduct several experiments and formulate reports on their work.

**PREREQUISITE:** Minimum grade of C in CHEM-2203(3).

**COREREQUISITE:** CHEM-3202(3) or CHEM-3204(3) or CHEM 3205(3).

**CHEM-3302(3) METHODS OF CHEMICAL ANALYSIS**

**(Le3, La3)** This course introduces students to the procedures of analytical chemistry including sampling, preparation of the sample for analysis, instrument calibration, and statistical treatment of data. Specific analytical methods discussed include electrochemistry and atomic and molecular spectroscopy. This involves a series of analyses using instrumental techniques.

**PREREQUISITE:** CHEM-2302(3).

**RESTRICTION:** Students with standing in the former CHEM-2301(6) will not receive credit for this course.

**CHEM-3401(3) INORGANIC CHEMISTRY II:**

**COORDINATION CHEMISTRY (Le3, La3)** This course examines the bonding, structure, and reactivity of coordination compounds of the transition metals. Building on the fundamentals covered in CHEM-2401, we discuss the nature of the metal-ligand bond, including its effect on physical and chemical properties of metal complexes. General trends in transition metal coordination chemistry are examined with an emphasis on understanding and predicting the reactivity and structures of coordination compounds. Laboratory work involves synthesis and characterization of transition metal coordination compounds.

**PREREQUISITE:** CHEM-2202(3) (or the former CHEMH

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# CLASSICS (CLAS)

Greek and Roman Studies

Updated July 11, 2012

Note: The department/program code CLAS replaces the former





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**RESTRICTIONS:** Students with credit in either the former CLAS-2094(6) or CLAS-2095(6) may not receive credit for this course.

**CLAS-2100(6) INTERMEDIATE LATIN (L) 4.0**

**CLAS-3130(6)/4130(6) POETRY OF THE EMPIRE (Le3)**

Students read in the original Latin works selected from the most famous poets and dramatists of the Empire. These may include selections from Seneca, Lucan, Martial, and Juvenal. Attention is given both to the content and form of the works under study, and to the improvement of students' skills and speed in translation.

Prerequisite: CLAS-2100(6).

**CLAS-3140(6)/4140(6) PROSE LITERATURE OF THE ER**<sup>1</sup>(m)Tj68890803 0 TE (m)Tj3282367 0 T1Tj 1.56298 0 Td (6080300723 0 03 0 Td U(m)Tj328236



# CONFLICT RESOLUTION STUDIES (CRS)

(OFFERED IN COOPERATION WITH MENNO SIMONS COLLEGE)

Updated March 2, 2012

**Note:** The department/program code CRS replaces the former code 61. Students cannot hold credit in CRS-xxxx and the former 61.xxxx having the same course number (e.g., CRS-1200(6) and 61.1200(6)).

**Coordinator: Assistant Professor: N. Funk-Unrau;** Associate Professors: J. Derksen, P. Redekop, A. Snyder; Assistant Professors: L. Edmund, R. McCutcheon, S. Stobbe; Instructor: K. Ridd

## DEGREES/PROGRAMS OFFERED

3-Year BA (90 credit hours)

4-Year BA (120 credit hours)

## INTRODUCTION

Conflict Resolution Studies (CRS) seeks to understand the nature and dynamics of human conflict, and to look at appropriate alternatives for dealing with conflict in ways which develop healthy relationships and prevent violence. Conflicts are analyzed from an interdisciplinary perspective together with topics such as violence, power, justice, peace, communication, culture, war, conflict transformation and dispute resolution. CRS prepares students to understand and interact constructively in response to personal, local and global conflict situations.

Conflict Resolution Studies is one of the two majors offered through Menno Simons College (MSC), an affiliated college of the University of Winnipeg. There is flexibility in this program to allow for double majors. All MSC students register as University of Winnipeg students. All degrees are conferred by The University of Winnipeg.. For additional information about Menno Simons College, see "Other Programs" in the Course Calendar.

## REQUIREMENTS FOR A 3-YEAR BA IN CONFLICT RESOLUTION STUDIES

### ADMISSION REQUIREMENT

Students must consult with a CRS Academic Advisor in planning their course of study

### GRADUATION REQUIREMENT

90 credit hours

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Minimum 0 credit hours

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**RESIDENCE REQUIREMENT**  
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|               |  |
|---------------|--|
| CRS-2210(3)   | Conflict Theory and Analysis*  |
| CRS-2211(1.5) | Coaching Skills Workshop (formerly known as Conciliation Skills Workshop)* |
| CRS-2241(3)   | Conflict and Culture*  |
| CRS-3220(3)   | Models for Conflict Transformation*  |
| CRS-3221(1.5) | Mediation Skills i   |

- PHIL-2202(3) Ethics in Medicine and the Law
- PHIL-2207(3) Philosophy of Law\*
- PHIL-2252(3) Philosophy of the Social Sciences
- POL-2315(3) The Legal Process
- POL-4315(3) Strategic Planning in Organizations I\*
- POL-4320(3) Strategic Planning in Organizations II\*
- PSYC-2410(3) Social Psychology II\*
- PSYC-2450(3) Organizational Psychology II\*
- PSYC-3050(3) Culture and Psychology\*
- PSYC-3450(3) Organizational Leadership and Decision Making\*

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# COURSE DESCRIPTIONS

CRS-120



**CRS-3221(1.5) MEDIATION SKILLS WORKSHOP (AV1.5)**

This workshop focuses on the process and skills of interpersonal mediation. This is accomplished through small group interaction and participation in mediation simulations. Each mediation simulation group is coached by an experienced mediator. Students are exposed to a wide range of interpersonal conflict scenarios. This workshop is closely integrated with, and must be taken concurrently with, Models for Conflict Transformation (CRS-3220(3)).

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

**Co-REQUISITE:** CRS-3220(3)

**CRS-3231(3) ETHICS IN CONFLICT RESOLUTION (Le3)**

This course examines the ethical dimensions of conflict resolution. The first part of the course focuses on four ethical theories: Kantian, Consequentialism, Virtue and Principlism. The second part of the course draws on specific issues in conflict resolution, especially with reference to the mediation process, such as neutrality, justice and confidentiality. This part of the course includes the analysis of case studies and codes of professional conduct.

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-329snts ay**

**PREREQUISITES:** CRS-1200(6), IDS-1100(6) or permission of instructor. . **E1E**



by non-governmental organizations. Current debates in approaches to evaluation are also reviewed. Students acquire skills in: selecting relevant quantitative and qualitative indicators, various approaches to obtain measures for the indicators selected, approaches to analyzing collected data, and effective presentation of evaluation conclusions and recommendations. Cost-benefit analysis is covered in ECON-3316(3).

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

**CROSS-LISTED:** International Development Studies IDS-4922(3).



# CRIMINAL JUSTICE

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**GRADUATION REQUIREMENT** Minimum 120 credit hours

**RESIDENCE REQUIREMENT**

Degree: Minimum 60 Hours.  
Honours: Minimum 30 credit hours, including a minimum of 18 credit hours at the upper level (3000-4000) of which a minimum 9 must be taken at the 4000 level.

**GENERAL DEGREE REQUIREMENT**

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

**Honours Requirement**

Single Honours: Minimum 54 credit hours /Maximum 78 credit hours in the Honours subject.  
Minimum 30 credit hours at the upper level (3000-4000)  
Minimum 18 credit hours in 4000-level Honours courses.

Double Honours: Minimum 36 credit hours in each Honours subject.  
Minimum 24 credit hours in 4000-level Honours courses in the Criminal Justice component of the double Honours. For the requirements of the Honours subject, consult the department involved.

**Required 4000 level courses Honours:**

CJ-4100(6) Capstone Course in Criminal Justice  
CJ-4116(3) Program and Policy Evaluation  
CJ-4130(3) Advanced Criminal Law

**Elective courses at the 4000 Level**

CJ-4105(3) Seminar in Youth and CJ  
CJ-4400(3) Selected Topics in CJ  
CJ-4800(6) Research Field Practicum  
CJ-4200(3) Gangs, Crime, & the Inner-City

**3000 Level courses**

|   |                                   |
|---|-----------------------------------|
| CJ-3107(3) Criminal Justice and the Media | CJ-3117(3) Crime Careers          |
| CJ-3201(3) Comparative Crime & CJ         | CJ-3204(3) Crime Prevention       |
| CJ-3121(3) Race Relations and the CJS     | CJ-3205(3) Crime Prevention       |
| CJ-3130(3) Criminal Procedure             | CJ-3500(3) Interpersonal Violence |

**Interdisciplinary Elective Courses**

## COURSE LISTINGS

### Core Courses

The Crim

Crisis



and



criminal justice theory; law and the courts process; policing; and punishment and corrections.

**CJ-4105(3) SEMINAR IN YOUTH AND THE CRIMINAL JUSTICE SYSTEM (Le 3)**

This course provides a critical examination of systemic problems and policy issues in youth justice. The course evaluates the effectiveness of current criminal justice legal reforms, interventions, treatment programs, and policies aimed at youth. Specific topics include public discourse on youth crime and justice, the social construction of adolescents involved with the youth justice system, the interface of corollary systems of child welfare and mental health, the administration of youth justice systems and a comparative analysis of the policy choices made in developing frameworks for responding to youth justice.

**CJ-4116(3) PROGRAM AND POLICY EVALUATION** Le 3 4505705160 Td (Y)Tj 5.35021 0 Td (Td ( )Tj /R18 7.98 /R18 7.98 Tf 2.2242,f (C)' 5.77102 0 T

# DEVELOPMENTAL STUDIES (DEV)

Updated March 5, 2012

**Note: The department/program code DEV replaces the former code 86. Students cannot hold credit in DEV-xxxx and the former 86.xxxx having the same course number (e.g., DEV-2004(3) and 86.2004(3)).**

**Director: Professor E. Polyzoi;** Interim Program Administrator (2012): C. Froese Klassen; Instructors: L. Atkinson, P. Leech, G. Robertson, S. Romsa, J. Simpson

## **DEGREES/PROGRAMS OFFERED**

**3-Year BA**

## **INTRODUCTION**

Developmental Studies is a distinct field that draws on the integration of the perspectives and methods of many disciplines to provide a coherent analysis of the biological, environmental, and social factors that influence both individual and group development. As such, it has specific relevance for a growing number of occupations and professions, notably child care, gerontology, and family studies.

The Developmental Studies Program is an Interdisciplinary Major which differs from a regular Major program in that it is composed of offerings from several different departments. The program includes courses from the Departments of Anthropology, Biology, Chemistry, Conflict Resolution Studies, English, Geography, History, Kinesiology and Applied Health, Mathematics, Philosophy, Politics, Psychology, Sociology, and Statistics. As a student of Developmental Studies, one may choose to pursue one of three streams: Stream A: Individual Human Development, Stream B: Comparative Biological Development, or Stream C: Child Development and Child Care.

Students who major in Developmental Studies (Stream A or C) may qualify for employment in government positions or in institutions dealing with early-childhood services. For those interested in pursuing this field, graduate work prepares them for research, administration, and university teaching.

All students pursuing majors are required to select courses from various groups as indicated below, depending on the stream selected. In addition, students wishing to orient their program towards specific educational goals are advised to seek advice early in their program for appropriate course selection. Visit <http://www.uwinnipeg.ca/index/ds-index> for contact information.

## **REQUIREMENTS FOR A 3- 3**

## GENERAL INFORMATION

Prere

SOC-3201(3) Sociology of Youth Justice  
SOC-3210(6) Critical Studies in Medicine and Psychiatry

SOC-4406(6) Seminar in Sociology of Law & Criminology

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

ACS-1453(3) Introduction to Computers  
PHIL-2252(3) Philosophy of the Social Sciences  
PSYC-2101(3) Introduction to Data Analysis  
PSYC-2102(3) Introduction to Research Methods

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

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

ANTH-2300(3) Method and Theory in Biological Anthropology  
ANTH-3120(3) Aboriginal Peoples of Arctic Canada  
ANTH-4105(6) Aboriginals and Newcomers in Encounter:  
Selected Topics  
CLAS-2070(6) Women and Family in Greece and Rome  
DEV-2004(3) Observation and Evaluation Techniques in  
Child Care Settings  
DEV-3100(3) The Child, Family, and Social Policy  
DEV-3400(3) Parents, Families &

6 credit hours from Group 1: Facets of the Evolution of Organisms  
(see below)  
3 or 6 credit hours from Group 2: Methods of Critical Investigation  
(see below)

TOTAL: 42 or 45\* credit hours

\*Depending on the course selection in Group 2

**GROUP 1:  
FACETS OF THE EVOLUTION OF ORGANISMS  
(6 CREDIT HOURS)**

BIOL-3410(3) Freshwater Ecology  
BIOL-3471(3) Forest Ecology  
BIOL-3562(3) Human Reproductive Biology  
BIOL-3563(3) Human Embryology  
BIOL-3602(3) Comparative Animal Physiology I  
BIOL-3603(3) Comparative Animal Physiology II  
BIOL-3902(3) Microbial Ecology  
BIOL-4402(3) Seminars in Ecology  
CHEM-2202(3) Organic Chemistry I  
CHEM-2203(3) Organic Chemistry II

CHEM-2501(3) Principles of Biochemistry  
CHEM-2801(3) Chemistry and Society  
CHEM-3502(3) Intermediate Biochemistry I: Structure,  
Function, and Energetics of Biomolecules  
CHEM-3503(3) Intermediate Biochemistry II: Intermediary  
Metabolism  
CHEM-3601(3) Environmental Chemistry  
PSYC-2900(3) Physiological Psychology I  
PSYC-TP5720(3) Physiological Psychology II

**Contact Information**

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## **COURSE DESCRIPTIONS**

**DEV-2004(3) OBSERVATION AND EVALUATION  
TECHNIQUES IN CHILD-CARE SETTINGS (Le3) This**  
cE EOEL

# DISABILITY STUDIES (DIS)

Updated March 5, 2012

Acting Director: Associate Professor M. Owen; Administrative Assistant: C. Myketa

DEGREES/PROGRAMS OFFERED

GG      G G

# REQUIREMENTS FOR A 4-YEAR BA IN DISABILITY STUDIES

ADMISSION REQUIREM<sup>EM</sup>

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 at 4000 level.

**GENERAL DEGREE REQUIREMENT**

Humanities: 12 credit hours in Humanities  
Science: 6 credit hours in Science (note that some Research Methods courses help fulfil this requirement)  
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.

**HONOURS REQUIREMENT**

Single Honours: Minimum 50 credit hours

Within the social model, external obstacles are regarded as disabling, rather than non-conformist bodies. This move has had a powerful impact on a disability theorization and political action. The social model of disability has much in common with critical analyses that deconstruct and denaturalize race and gender. In this course, we will consider the implications of the social model of theorizing disability, examine the critiques, and explore the alternatives.

Prerequisites: SOC-1101(6), SOC-1003(3), or SOC-1004(3).

**DIS-3000/3 Disability Studies Field Placement I and DIS-4000/3 Disability Studies Field Placement II** The

field placement course provides students with the opportunity to work in a disability-related setting and reflect

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# EAST ASIAN LANGUAGES & CULTURES (EALC)

Updated MMd

# REQUIREMENTS FOR A 4-YEAR BA IN EAST ASIAN LANGUAGES & CULTURES

|                                   |  |
|-----------------------------------|--|
| <b>ADMISSION REQUIREMENT</b>      | Students must consult with the department advisor in planning their studies.<br>Students must have completed at least 30 credit hours previously.  |
| <b>GRADUATION REQUIREMENT</b>     | 120 credit hours   |
| <b>RESIDENCE REQUIREMENT</b>      |  |
| Degree:                           | Minimum 60 credit hours  |
| Major:                            | Minimum 30 credit hours  |
| <b>GENERAL DEGREE REQUIREMENT</b> |  |
| 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.<br>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.   |
| <b>MAJOR REQUIREMENT</b>          |  |
| 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.  |
| Cognates:                         | Minimum of 18 credit hours/Maximum of 36 credit hours in related courses from one or more of several departments.<br>Maximum total of cognate and major courses is 84 credit hours combined.   |
| Distribution:                     | Students must take at least 6 credit hours relating to Chinese culture and 6 credit hours relating to Japanese culture.  |
| Required courses:                 |  |
| <b>EALC-1004(3)</b>               | East Asian Cultural Foundations<br>Minimum of 12 credit hours in an East Asian language (Chinese or Japanese).<br>Minimum of 30 credit hours in East Asian culture courses (up to 12 credit hours may be taken from courses with significant Asian content—see below).<br>Minimum of 18 credit hours at the 3000 level in East Asian Languages & Cultures. |
| Combined Major:                   | Minimum 60 credit hours from two (2) different majors with not less than 24 credit hours from each major subject.  |
| Prescribed courses:               |  |
| <b>EALC-1004(3)</b>               | East Asian Cultural Foundations<br>Minimum of 12 credit hours in an East Asian language (Chinese or Japanese).<br>Minimum of 18 credit hours in East Asian culture courses (up to 6 credit hours may be taken from courses with significant Asian content—see below).<br>Minimum of 18 credit hours at the 3000 level in East Asian Languages & Cultures.  |

|                               |                     |   |
|-------------------------------|---------------------|---|
| <b>Religion &amp; Culture</b> | <b>HIST 4703(6)</b> | Postcolonial India (requires permission)      |
|                               | <b>REL-1002(6)</b>  | Exploring Religion: the World's Religions     |
|                               | <b>REL-2704(3)</b>  | Buddhist Traditions in India & Southeast Asia |
|                               | <b>REL-2901(3)</b>  | Art in Non-Christian Religions                |

#### Sample Program (3 year)

|            |  |                |
|------------|--|----------------|
| Years 1-2: | East Asian Cultural Foundations (EALC 1004)      | 3 credit hours |
|            | Intro. Language course (EALC 1100 or 1200)       | 6 credit hours |
|            | East Asian Culture courses (2000 level)          | 6 credit hours |
| Year 3:    | Intermediate Language course (EALC 2100 or 2200) | 6 credit hours |
|            | East Asian Culture courses (2000 level)          | 3 credit hours |
|            | East Asian Culture course (3000 level)           | 6 credit hours |

#### Sample Program (4 year)

|            |  |                 |
|------------|--|-----------------|
| Years 1-2: | East Asian Cultural Foundations (EALC 1004)      | 3 credit hours  |
|            | Intro. Language course (EALC 1100 or 1200)       | 6 credit hours  |
|            | East Asian Culture courses (2000 level)          | 6 credit hours  |
| Year 3:    | Intermediate Language course (EALC 2100 or 2200) | 6 credit hours  |
|            | East Asian Culture courses (2000 level)          | 6 credit hours  |
|            | East Asian Culture courses (3000 level)          | 3 credit hours  |
| Year 4:    | Semester abroad Language & Culture courses       |                 |
|            | East Asian Culture courses (2000 level)          | 3 credit hours  |
|            | East Asian Culture courses (3000 level)          | 15 credit hours |

## COURSE LISTINGS

### INTRODUCTORY COURSES

Majors are required to take EALC-1004, East Asian Cultural foundations and either EALC-1100 (Introduction to Japanese Language) or EALC-1200 (Introduction to Chinese Language).

### 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 East Asian Languages & Cultures, or who have received the consent of the instructor.

### East Asian Languages courses

(courses that fulfill East Asian language requirements)

- EALC-1100(6) Introduction to Japanese Language
- EALC-1200(6) Introduction to Chinese Language
- EALC-2100(6) Intermediate Japanese Language
- EALC-2200(6) Intermediate Chinese Language
- EALC-2031(6) Chinese-English Translation
- EALC-3007(6) Introduction to Classical Chinese

### East Asian Cultures courses

(courses that fulfill East Asian cultures requirements; see also Courses in Other Departments that fulfil the East Asian culture requirement and Courses in Other Departments with significant Asian or Cultural Studies content, listed above)

- EALC-1004(3) East Asian Cultural Foundations
- HIST-2704(3) History of East Asia Since 1500
- EALC-2707(3) Chinese Religions
- EALC-2708(3) Religion in Japanese Life
- EALC-2709(3) Women in Asian Religions & Cultures
- EALC-2718(3) Buddhist Traditions in East Asia
- EALC-2721(3) Traditional Japanese Culture
- EALC-2723(3) Japanese Cinema
- EALC-2731(3) Chinese Culture & Beliefs
- EALC-2734(3) The Making of Modern East Asian Culture
- EALC-2772(3) Modern Chinese Literature in Translation
- EALC-2773(3) Chinese Cinema
- EALC-2774(3) Chinese Intellectual History
- EALC-2775(3) Intellectual Encounters: China and the West
- EALC-3704(3) / 4704(3) Chinese & East Asian Perspectives on Human Rights
- EALC-3707(3) / 4707(3) Zen Buddhism & East Asian Culture
- EALC-3708(3) / 4708(3) Topics in Buddhist Culture & Society
- EALC-3720(3) / 4720(3) Topics in Japanese Culture & Society
- EALC-3721(3) / 4721(3) The Age of the Samurai
- EALC-3731(3) / 4731(3) Topics in Chinese Culture & Society
- EALC-3732(3) / 4732(3) Topics in Chinese Intellectual and Cultural History
- EALC-3970(3) / 4970(3) Topics in Asian Religions and Cultures



# COURSE DESCRIPTIONS

## **EALC 1004(3) EAST ASIAN CULTURAL FOUNDATIONS**

**(Le3)** This course introduces students to the cultural traditions and belief systems of East Asia (primarily China, Japan, and Korea). Traditions examined include Confucianism, Daoism (Taoism), and Buddhism. Special attention is given to the examination of ideas stemming from primary source documents (in translation) within their historical and cultural contexts. Emphasis is given to the central role played by developments in China for the formation of East Asian cultural values.

## **EALC-1100(6) INTRODUCTION TO JAPANESE LANGUAGE (Le3/La1)**

This course introduces students to the modern Japanese language. The aim of this course is to provide a solid base in vocabulary, grammar, and pronunciation through speaking, listening, writing, and reading exercises. Students are introduced to Japanese syllabary (hiragana and katakana) and basic Japanese characters (kanji). In addition to providing the basis for further research for EALC students interested in Japanese studies, the course is of interest to a variety of students from various disciplines interested in acquiring basic Japanese language skills.

**RESTRICTIONS:** Native speakers of Japanese or students who have standing in Japanese 40S or equivalent are not eligible to take this course. Students may not receive credit for both this course and the former REL-2020(6).

## **EALC-1200(6) INTRODUCTION TO CHINESE LANGUAGE**

**(Le3/La1)** This course introduces students to the modern standard Chinese language (Mandarin). The aim of the course is to provide a solid base in vocabulary, grammar, and pronunciation through speaking, listening, writing and reading exercises. In addition to providing the basis for further research for EALC students interested in Chinese studies, the course is of interest to a variety of students from various disciplines interested in acquiring basic Chinese language skills.



context, focusing on aspects of the institutional, social, and political role pla

# ECONOMICS (ECON)

Note: The department/program is the former 14.xxxx

Chair: Professor P. Cyrenne; Professors: X-Y. Dong, H. Grant; Associate Professors: S. Baksi, M. O'Gorman, M. Pandey, J. Townsend; Assistant Professors: S. Dodds, M. Dubrovinsky, A. Ray Chaudhuri, H. Ta.

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Students with

**VI. Concentration (Pre-Honours) (PH) (Choose 15 credit hours)**  
ECON-3201 (3) Introduction to Ec

Students are advised to consult with the Chair or Faculty Advisor to ensure that they are correctly meeting departmental requirements.

## GENERAL INFORMATION

### Course Selection

Students are advised to confirm Departmental offerings before planning their curriculum as certain courses may not be available in each term. Students are advised to ensure that currently listed courses do not duplicate material studied previously under different course numbers.

**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.

## COURSE LISTINGS

Courses are listed in numerical sequence; course descriptions follow by Area of Study.

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

|                  |   |                  |   |
|------------------|---|------------------|---|
| ECON-1102(3)     | Introduction to Economics: Micro                                      | ECON-3308(3)     | Regulation and Public Enterprises               |
| ECON-1103(3)     | Introduction to Economics: Macro                                      | ECON-3310(3)     | Economics of Health Care in Canada              |
| ECON-1104(3)     | Introduction to Economic Theory                                       | ECON-3311(3)     | Government Policy Towards Business              |
| ECON-1106(3)     | Introduction to Economic Development                                  | ECON-3315(3)     | Urban Economics and Real Estate Markets         |
| ECON-1201(3)     | Quantitative Methods for Economics and Business (experimental course) | ECON-3316(3)     | Cost-Benefit Analysis and Project Evaluation    |
| ECON-2101(3)     | Intermediate Economics: Micro   | ECON-3317(3)     | Economic Development in the Asia Pacific Region |
| ECON-2102(3)     | Intermediate Economics: Macro   | ECON-3319(3)     | Managerial Economics                            |
| ECON-2201(3)     | Introduction to Mathematical Economics                                | ECON/BUS-3320(3) | Managerial Finance                              |
| ECON-2301(3)     | Introduction to the Theory of Financial Systems                       | ECON-3321(3)     | History of Economic Thought I                   |
| ECON-2302(3)     | Introduction to Monetary Economics and Banking                        | ECON-3322(3)     | History of Economic Thought II                  |
| ECON-2303(3)     | Labour Economics  | ECON-3819(3)     | Advanced Corporate Finance                      |
| ECON-2304(3)     | Income Distribution and Industrial Relations                          | ECON-4103(3)     | Microeconomics                                  |
| ECON-2305(3)     | Canadian Economic History   | ECON-4104(3)     | Macroeconomics                                  |
| ECON-2306(3)     | Canadian Economic Development   | ECON-4105(3)     | Advanced Microeconomics                         |
| ECON-2311(3)     | Economics of Natural Resource Extraction                              | ECON-4106(3)     | Advanced Macroeconomics                         |
| ECON-2317(3)     | Environmental Economics   | ECON-4201(3)     | Econometrics                                    |
| ECON-2318(3)     | Energy Economics  | ECON-4203(3)     | Topics in Mathematical Economics                |
| ECON/BUS-2819(3) | Corporate Finance I   | ECON-4303(3)     | Topics in Applied Economics                     |
| ECON/BUS-2820(3) | Corporate Finance II  | ECON-4306(3)     | Topics in Economic Development                  |
| ECON-3104(3)     | Modern Microeconomics for Economics and Business                      | ECON-4307(3)     | Topics in Macroeconomics Theory and Policy      |
| ECON-3115(3)     | Gender and the Economy  |                  |   |
| ECON-3120(3)     | Microfinance in Theory and Practice                                   |                  |   |
| ECON-3201(3)     | Introduction to Econometrics  |                  |   |
| ECON-3301(3)     | International Trade: Theory and Policy                                |                  |   |
| ECON-3302(3)     | International Finance: Theory and Policy                              |                  |   |
| ECON-3303(3)     | Economics of Public Expenditures: Theory and Policy                   |                  |   |
| ECON-3304(3)     | Economics of Taxation: Theory and Policy                              |                  |   |
| ECON-3305(3)     | Economic Development  |                  |   |
| ECON-3306(3)     | International Aspects of Economic Development                         |                  |   |
| ECON-3307(3)     | Industrial Organization and Competition Policy                        |                  |   |



**ECON-1103(3) INTRODUCTION TO ECONOMICS:**

**MACRO (Le3)** This is an introductory analysis of contemporary economic institutions and the application of macro-economic theory to current Canadian economic problems. The course will consider economic theories of the determination of national income, governmental monetary and fiscal policy, the role of money and the banking system, international trade and the determination of foreign exchange rates.

**RESTRICTIONS:** Students may not hold credit in this course and either ECON-1104(3) or ECON-1106(3).

**ECON-1104(3) INTRODUCTION TO ECONOMIC THEORY**

**(Le3)** This course provides an introduction to the principles of micro- and macro-economic theory. It is designed for students in the Environmental/Urban Studies programs. It may also be of interest to students majoring in other programs seeking an overview of economic theory. The course may serve as a prerequisite for all second year courses in Economics, with the exception of ECON-2101(3) and ECON-2102(3) if a minimum grade of C is achieved; students require a minimum grade of B for admission to ECON-2101(3) and ECON-2102(3). This course is not intended for Economics majors.

**RESTRICTIONS:** Students may not hold credit in this course and any other 1000 level course in Economics.

**ECON-1106(3) INTRODUCTION TO ECONOMIC**

**DEVELOPMENT (Le3)** This course provides an introduction to economic theory, while simultaneously emphasizing how such theory improves the understanding of issues facing developing countries. Both branches of economics (microeconomics and macroeconomics) are covered. Issues typically discussed include economic inequality, environmental economics, economic growth, financial crisis and international trade. The course may serve as a prerequisite for all second year courses in Economics, with the exception of ECON-2101(3) and ECON-2102(3) if a minimum grade of C is achieved; students require a minimum grade of B for admission to ECON-2101(3) and ECON-2102(3). This course is not intended for Economics majors.

**RESTRICTIONS:** Students may not hold credit in this course and any other 1000 level course in Economics.

**ECON-2101(3) INTERMEDIATE ECONOMICS: MICRO**

**(Le3)** This course provides a more advanced analysis of microeconomic concepts developed in first year. It examines the price system, allocation of resources, and the impact of alternative market structures on consumer and producer behaviour.

**PREREQUISITES:** A minimum grade of C in ECON-1102(3) or a minimum grade of B in either ECON-1104(3) or ECON-1106(3).

**ECON-2102(3) INTERMEDIATE ECONOMICS: MACRO**

**(Le3)** This course introduces students to a more advanced analysis of macroeconomic concepts developed in first year. It examines subjects such as national income determination, theories of consumption, employment, interest, and money. Business cycles, inflation, and economic growth will be discussed in a Canadian context.

**PREREQUISITES:** A

**ECON-2317(3) ENVIRONMENTAL ECONOMICS (Le3)** This

course examines the role of economics in decision-making

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**ECON-3305(3) ECONOMIC DEVELOPMENT (Le3)** This course will examine problems and theories of internal development, as well as policies to accelerate change. It will deal with such topics as poverty, income distribution, human capital, employment, growth, rural-urban migration, population growth, and rural development.

**PREREQUISITE:** ECON-2101(3) or permission of the instructor.

**ECON-3306(3) INTERNATIONAL ASPECTS OF ECONOMIC DEVELOPMENT (Le3)** This course will examine problems and theories of international development, as well as policies to accelerate change. It will deal with such topics as international trade and investment, foreign aid, third world debt, the role of the international financial institutions and multinational corporations, and the new international division of labour.

**PREREQUISITE:** ECON-2101(3).

**ECON-3307(3) INDUSTRIAL ORGANIZATION AND COMPETITION POLICY (Le3)** Industrial Organization is the field in economics that examines the effectiveness of competition in markets that are less than perfectly competitive. This course examines models of monopolies and oligopolies with particular emphasis on the strategic issues related to imperfectly competitive markets. In addition, a number of business practices are examined in relation to their contribution to overall welfare in the economy. This course also involves a presentation and analysis of how current industrial organization theory and policy is reflected in Canada's Competition Act.

**PREREQUISITE:** ECON-2101(3) or permission of the instructor.

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This advanced finance course adds to the technical skill and conceptual understanding of accounting and corporate finance developed in previous courses. It provides an in-depth study of issues and tools that financial managers use in making decisions. Topics include capital budgeting under uncertainty; advanced cash flow analysis; long term sources of funds; capital structure; dividend policy; special financing and investment decisions; timing decisions; futures, forwards, options and swaps; treasury risk management; and financial planning.

**PREREQUISITES:** A minimum of C+ in either ECON-2820 (3) or BUS-2820 (3).

**CROSS-LISTED:** Business and Administration BUS-3819(3)

**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 pricing system as the mechanism by which individual and social decisions are made.

**PREREQUISITES:** ECON-2101(3) and ECON-2201(3) with a minimum grade of C+ in both courses

**ECON-4104(3) MACROECONOMICS (Le sOv nshs ut**

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# ECONOMICS AND FINANCE (EFIN)

**Coordinator:** P. Cyrenne; **Program Advisors:** P. Cyrenne, K. Harlos

Updated March 6, 2012

## **DEGREES/PROGRAMS OFFERED**

**4-Year BA**

**4-Year BBA**

## **INTRODUCTION**

The field of finance has its roots in the discipline of economics and business. This program will provide students with the conceptual tools to understand a number of issues from modern finance theory and applications. The program will provide students with a solid understanding of the operation of capital markets and capital market instruments, including equities, fixed income (e)Tj 4.44849 0 Td (e)Tj 4.44849 0



BUS-2501 (3) Fundamentals of Production and Operational Management

**Required Courses Economics (15 Credit Hours)**

ECON-1102 (3) Introduction to Economics: Micro  
ECON-1103 (3) Introduction to Economics: Macro  
ECON-2101 (3) Intermediate Economics: Micro  
ECON-2102 (3) Intermediate Economics: Macro  
ECON-3201 (3) Introduction to Econometrics

**Required Cross-Listed Courses in Finance (15 Credit Hours)**

BUS/ECON -2819 (3) Corporate Finance I  
BUS/ECON -2820 (3) Corporate Finance II  
BUS/ECON -3819 (3) Advanced Corporate Finance  
BUS/ECON -4800 (3) Investments  
BUS/ECON -4801 (3) Options, Futures and Derivatives

**Required Courses Quantitative Methods (15 Credit Hours)**

(i) 6 Credit Hours in Statistics: STAT-1201 (6) Introduction to Statistical Analysis or the equivalent.  
(ii) 6 Credit Hours In Mathematics: MATH-1101 (6). Introduction to Calculus or the equivalent **MATH-1103 (3)** Introduction to Calculus I AND **MATH-1104 (3)** Introduction to Calculus II. Alternatively students may take **MATH-1103 (3)** Introduction to Calculus I (recommended) or MMA mn



# FACULTY OF EDUCATION (EDUC)

Updated Aug 22, 2012

**Note: The department/program code EDUC replaces the former code 15. Students cannot hold credit in EDUC-xxxx and the former 15.xxxx**

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. If students do not have 60 credit hours in their first degree which can be applied toward the BEd program, they must complete these requirements prior to applying to the program.

### **III. The Joint University of Winnipeg / Red River College Bachelor of Education Programs**

The University of Winnipeg in conjunction with Red River College offers a five-year Integrated 150 credit hour BEd/BA or BSc degree. Upon completion of the program, graduates will have a major in Business, Industrial Arts/Technology or Aboriginal Language education and a second academic major in a teachable subject area. Students in this program do courses on site at the University of Winnipeg and Red River College in all years of the program.

### **IV. The Joint University of Winnipeg / Red River College 2-Year or 3-Year After-Degree Program in Business Teacher Education, or the 3-Year After-Degree Program in Industrial Arts/Technology or the 2-Year or 3-Year After-Degree Program in Aboriginal Language**

These programs are intended for students who already hold an undergraduate degree.

**Business Teacher Education (2-Year or 3-Year After-Degree Programs):** Students who have completed a first undergraduate degree with a significant concentration in business courses may be eligible for transfer credits at RRC. These students may be eligible to apply for a 2-year After-Degree program. Students whose first degree does not include a concentration in business courses would normally be eligible for a 3-year After-Degree program. Generally, students admitted to the 2-year After-Degree program will complete 30 credit hours of course work at RRC, and 30 credit hours of course work at UW. Generally, students admitted to the 3-year After-Degree program will complete 60 credit hours of course work at RRC, and 30 credit hours of course work at UW. Students may also be required to complete course work in a teachable minor in addition to the requirements for the BEd degree.

**Industrial Arts/Technology Teacher Education (3-Year After-Degree Program):** Students who have completed an undergraduate degree may be eligible to apply for a 3-year After-Degree program. Generally, students will complete 60 credit hours of course work at RRC, and 30 credit hours of course work at UW. Students may also be required to complete course work in a teachable minor in addition to the requirements for the BEd degree.

**Aboriginal Language Teacher Education (2-Year or 3-Year After-Degree Programs):** Students who have completed a first undergraduate degree with a significant concentration in Aboriginal language courses may be eligible for transfer credits at RRC. These students may be eligible to apply for a 2-year After-Degree program. Students whose first degree does not include a concentration in Aboriginal language courses would normally be eligible for a 3-year After-Degree program. Generally, students admitted to the 2-year After-Degree program will complete 30 credit hours of course work at RRC, and 30 credit hours of course work at UW. Generally, students admitted to the 3-year After-Degree program will complete 60 credit hours of course work at RRC, and 30 credit hours of course work at UW. Students may also be required to complete course work in a teachable minor in addition to the requirements for the BEd degree.

### **V. The Certified Teacher BEd Program**

Certified teachers who have completed a minimum of one year of professional training and wish to upgrade their qualifications are eligible for this program. Students normally receive 30 credit hours in transfer credit for the year of teacher training and will be required to complete additional coursework (minimum 30 credit hours) to fulfill the requirements of the BEd/BA or BEd/BSc.

### **VI. The Joint University of Winnipeg / Red River College Vocational Teacher Education Program**

Graduates of the Red River College Vocational Education program who hold a limited teaching certificate may receive up to 90 credit hours towards the 150 credit hour BEd degree requirements.

### **VII. Winnipeg Education Centre Program (WEC)**

The University of Winnipeg offers a 5-year Integrated BEd/BA program for residents of the inner city who are 21 years of age or older by the start of the September session, who are representative of the inner city population, and who are in need of academic, personal, and financial supports in order to pursue a university degree. Coursework is delivered on site at the University of Winnipeg. For further information contact the Winnipeg Education Centre, 2E00 - 511 Ellice Avenue, Winnipeg, MB, R3B 2E9, (204) 789-1418.

### **VIII. Community-Based Aboriginal Teacher Education Program (CATEP)**

In partnership with Seven Oaks and Winnipeg School Divisions, The University of Winnipeg offers a specialized BA/BED degree program for aboriginal people who are working as teacher aides. Students must be 25 and over and have a minimum of 12 credit hours in a post-secondary program. For further information contact the Winnipeg Education Centre, 2E00 - 511 Ellice Avenue, Winnipeg, MB, R3B 2E9, (204) 789-1418.

enhancement for individual



6. Applicants are not required to disclose records under The Youth Criminal Justice Act. However, if the Faculty of Education becomes aware of a youth record which raises questions relating to the safety and well-being of children and others in the schools, this may be considered relevant for admission, continued enrollment, and/or certification purposes.
7. Once admitted, the Criminal Record Search and Child Abuse Registry Check are valid for the duration of study in the Faculty of Education as long as there is no change in status. Some practicum or service learning sites may require subsequent criminal record and/or child abuse registry checks.
  - a) Students are obligated to report a change in the status of their criminal record and/or Child Abuse Registry standing to the Chair, Legal Records Check Committee, Faculty of Education. Red River College students must inform the Chair of Teacher Education at Red River College.
  - b) Students who appear on the Child

## EDUCATION MINOR REQUIREMENT

### Senior Years Stream

18 credit hours in a minor teachable area (see the tables at the end of the Education section). These 18 credit hours may be fulfilled by courses used to meet the Arts and Science major. However, some Arts or Science majors are not considered teachable areas.

### Early, Early/Middle, and Middle Years Streams

12 credit hours in a minor teachable area (see the tables at the end of the Education section). These 12 credit hours may be fulfilled by courses used to meet the Arts and Science major. However, some Arts or Science majors are not considered teachable areas.

**Note: All Streams** The major and minor must be selected from 2 different teaching areas.

### Distribution Requirement

Students in the Early, Early/Middle and Middle Years streams must complete a Distribution requirement consisting of:

6 credit hours in English literature or French literature courses (courses in Rhetoric, Writing, and Communications cannot be used toward the English 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.

## REQUIRED COURSES

### (Integrated BEd/BA or BSc Degree)

#### Early Years, Early/Middle Years or Middle Years Stream

- EDUC-1810(3) Educational Leadership Within a Service Learning Framework (previously EDUC-2800(3)) (Note: Students in the WEC & CATEP ACCESS Programs only will complete EDUC-1801 or 1802 Education Today.)

- EDUC-2511(3) Learning Theory\* and EDUC-2512(1) Learning Theory Practicum\* (or EDUC-2514(1))

- EDUC 2530(3) Introduction to Special Education (previously EDUC-4501(3))

- EDUC-3810(6) Teaching/Learning and the K-8 Curriculum\* and EDUC-3811(2) Teaching/Learning and the K-8 Curriculum Practicum\* (or EDUC-3814(2))

- 3 credit hours to fulfill the Education Foundations Requirement chosen from:

EDUC-3400(3) Educational Settings and the Sociology of Learning

HIST-2514(3) History of Canadian Education

PHIL-2291(3) History of Educational Ideas (Philosophy course)

SOC-1105(3) Beginning Sociology in Education

UIC-2515 (3) History of Education in Winnipeg's Inner City

- EDUC-4835(1) - EDUC-4842(3) Early Y21 0 Td (d)Tj 4.44849 0 Td (u)Tj 4.448t

- EDUC-4602(3) Senior Years Curriculum, Instruction and Assessment: Integrating Technology into Senior Years Teaching
- EDUC-4701(3) Creating and Managing Effective Learning Environments
- EDUC-4821(3) Middle Years Education
- EDUC-4851(1) Professional/Development Workshop\*
- EDUC-4852(5) 5 Senior Years Curriculum, Instruction and Assessment: Alternative\*
- EDUC-4870(3) Senior Years Curriculum, Instruction and Assessment: Literacy Across the Curriculum\*
- 3 Credit hours of Speci. rtrrnatio., 3 houssfm

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## REQUIRED COURSES

### (After-Degree)

#### Early Years, Early/Middle Years or Middle Years Stream

- EDUC 2530(3) Introduction to Special Education (previously EDUC-4501(3))
- EDUC-4002(6) Foundations of Teaching and Learning
- EDUC-4404(3) The School System
- EDUC-4410(3) Introduction to Aboriginal Education
- EDUC-4835(1) EDUC-4842(3) Early Years Curriculum, Instruction and Assessment: All Areas\*
- EDUC-4843(1) EDUC-4948(3) Middle Years Curriculum, Instruction and Assessment: All Areas\*
- 3 Credit hours of Special Education II Courses
- 10 credit hours of Practicum Blocks as follows:

If Early Years: Practicum Blocks EDUC-4872(2.5)\*, EDUC-4875(2.5)\*, EDUC-4879(2.5)\* and EDUC-4881(2.5)\*

If Early/Middle Years: Practicum Blocks EDUC-4872(2.5)\*, EDUC-4875(2.5)\*, EDUC-4879(2.5)\* and EDUC-4882(2.5)\*

If Middle Years: Practicum Block EDUC-4872(2.5)\*, EDUC-4875(2.5)\*, EDUC-4879(2.5)\* and EDUC-4882(2.5)\*





- EDUC-1083 Construction Technology-Introduction 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-1088 Issues in Industrial Arts/Technology Education
- EDUC-1089 Topics in Industrial Arts/Technology Education
- 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

**University of Winnipeg courses:**

- EDUC-2513(3) Learning Theory\*
- EDUC 2530(3) Introduction to Special Education (previously EDUC-4501(3))
- EDUC-4821(3) Middle Years Education
- 3 credit hours to fulfill the Education Foundations Requirement chosen from:
  - EDUC-3400(3) Educational Settings and the Sociology of Learning
  - HIST-2514(3) History of Canadian Education
  - PHIL-2291(3) History of Educational Ideas (Philosophy course)
  - SOC-1105(3) Beginning Sociology in Education
  - UIC-2515 (3) History of Education in Winnipeg's Inner City
- 6 credit hours in Senior Years Curriculum, Instruction & Assessment

Students must obtain a minimum 2.0 GPA (C) over the 60 credit hours used toward the BEd Degree.

**RESIDENCE REQUIREMENTS**

Minimum 48 credit hours in course work completed at UConn (24-48) or in CT (12-15) or in 4-1849

- EDUC-1084 Power and Energy Technology-Introduction 1
- EDUC-1085 Industrial Arts Education Methods and Practicum 1
- EDUC-1086 Organiz



- 6 credit hours in Senior Years C



EDUC-5405(3) Reclaiming Troubled Children and Youth  
EDUC-5406(3) Steps to Achieving Real-Life Skills  
EDUC-5411(3) Youth Violence in Schools  
EDUC-5001(3) The Building Blocks of Hope  
EDUC-5001 (3) Conflict Resolution and Restorative Practices in Ed Settings  
EDUC-5001(3) Promoting Mental Health in Public Schools  
EDUC-5001(3) Assessment Research I  
EDUC-5001(3) Vulnerable Children and Youth: Strategies for Resiliency  
EDUC-5001(3) Teaching and Assisting Children Affected by War

Additional Information

EDUC-5427(3) Supervised Counselling Practicum – students must have completed all other required and elective courses in order to be eligible to register for this course. This course involves completion of 100 hours of practicum in a school setting. Students cannot arrange their own placements, and cannot be placed in a school in which they are currently employed. Students may need to take a leave of absence from their jobs in order to have the time necessary to complete practicum hours. Placements are limited, and this course will be offered every other year.

**REQUIREMENTS** (d) 4.44849 0 Td (e) 4.44849 0 Td (a) 4.50861 0 Td (r) 2.640 Td (h) 4.44849 0 Td (i) 1.



## **GENERAL INFORMATION**

**Course Selection, Advising and Registration Information - Integrated Program,**

**Changing Streams**

Students in the Integrated Program identify a stream upon registering for Year 1. They may change their selection up until the end of Year 2 which is defined as the completion of 61 credit hours. No changes to streams will be considered in Year 3 of the program or once students have completed 61 credit hours or more.

**Changing Teachable Majors or Minors**

Students in the Integrated Program identify their teachable majors and minors upon registering for Year 1. They may change their teachable subjects up until the end of Year 2 which is defined as the completion of 61 credit hours. For students in the Senior Years stream, no changes to teachable majors or minors will be considered in Year 3 of the program or once students have completed 61 credit hours or more. For students in the Early, Early/Middle or Middle Years streams, they may change teachable subjects in Year 3 of the Program as long as they can still fulfil the requirements of the major or minor prior to entering Certification Year 4.

**Challenge for Credit in the Faculty of Education**

The Faculty of Education has a residency requirement which includes all Curriculum, Instruction and Assessment courses as well as pr

- f) Several credit bearing components of certification (e.g., Professional Development Workshops, Capstone courses, practicum blocks) will take place outside of the regularly scheduled university year. Students will be provided with these dates in advance and will be expected to be available for all the components.
- g) Certification year students are expected to be available for classes on a full-time basis every day from 8:30 a.m. - 6:30 p.m. All other activities or commitments must be worked around the assigned timetable. Students who cannot make this commitment are advised to defer their certification.
- h) Students who receive a grade less than "C" in Curriculum, Instruction and Assessment courses or who fail a block of practicum will have their status in the program reviewed by the Performance Review Committee. As a result of this review the Committee will recommend to the Dean one of the following:
1. That the student be required to repeat the course(s) and/or practicum. Generally if a student is required to repeat a course he/she will be required to repeat the practicum as the practicum is an integral part of the course. When required to repeat a course the student will be expected to achieve a minimum grade of "C" in order to be allowed to continue in the Faculty of Education. Only one repeat of the course will be allowed.
  2. If a student receives a grade of "D" in a Curriculum, Instruction and Assessment course, the Committee may recommend that the student be allowed to continue on to the next year or graduate if all other requirements have been met.
  3. That the student be withdrawn from the Faculty of Education.
- i) In order to be eligible to enter Year 5, students must have completed all Year 4 requirements. Students who do not complete certification year 4 or certification year 5 in the allotted time will have their status in the Faculty of Education reviewed by the Performance Review Committee. As a result of this review the Committee will recommend to the Dean one of the following. That the student:
1. be required to repeat the course(s) and/or practicum. Generally speaking if a student is required to repeat a course he/she will be required to repeat the practicum as the practicum is an integral part of the course, or
  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 4 or year 5 but not both. Students who do not successfully complete certification years 4 and 5 within the allotted time period will have their status reviewed by the Performance Review Committee and may be withdrawn from the program.
- l) Certification students who are placed on probation, suspension or not allowed to continue status will be removed from the BEd Program. If the student is placed on probation, suspension or not allowed to continue status at the end of the Fall Term, they will be immediately withdrawn from any ongoing or Winter Term Education or practicum courses.
- m) If, during a repeat attempt, the student withdraws from the course and/or practicum this is considered an unsuccessful attempt and the student will be withdrawn from the Program.

### **III. Rules and Regulations Governing the After-Degree Program**

- a) Students who have been accepted into the After-Degree Program but who do not register or begin classes will be withdrawn from the program. They will not be able to "hold" their spot in the program. Such students may reapply at a future date but as admission is dependent on the qualifications of the pool of applicants each year, subsequent admission is not guaranteed. After-Degree students are admitted to the program on the basis of the stream that they select when they apply. Therefore, they cannot change streams once they have been accepted.

- h) Students who receive a grade less than "C" in Curriculum, Instruction and Assessment courses or who fail a block of practicum will have their status in the program reviewed by the Performance Review Committee. As a result of this review the Committee will recommend to the Dean one of the following:
1. That the student be required to repeat the course(s) and/or practicum. Generally speaking if a student is required to repeat a course he/she will be required to repeat the practicum as the practicum is an integral part of the course. When required to repeat a course the student will be expected to achieve a minimum grade of "C" in order to be allowed to continue in the Faculty of Education. Only one repeat of the course will be allowed.
  2. If a student receives a grade of "D" in a Curriculum, Instruction and Assessment course, the Committee may recommend that the student be allowed to continue on to the next year or graduate if all other requirements have been met.
  3. That the student be withdrawn from the Faculty of Education.
- i) In order to be eligible to enter year 2, students of the After-Degree Program must have completed all year 1 requirements. Students who do not complete years 1 and/or 2 in the allotted time will have their status in the program reviewed by the Performance Review Committee. As a result of this review the Committee will recommend to the Dean one of the following. That the student:
1. be required to repeat the course(s) and/or practicum. Generally speaking if a student is required to repeat a course he/she will be required to repeat the practicum as the practicum is an integral part of the course. Due to the sequential nature of the After-Degree Program students who are required to repeat courses must wait for the following September in order to do this, or
  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 year 2 but not both. Students who do not successfully complete certification years 1 and 2 within the allotted time period will have their status reviewed by the Performance Review Committee and may be withdrawn from the Faculty.
- l) If, during a repeat attempt, the student withdraws from the course and/or practicum this is considered an unsuccessful attempt and the student will be withdrawn from the Faculty of Education.

#### **IV. Rules and Regulations Governing Certification in the Joint UW/RRC Program**

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4. Students should note that some practicum (i.e. blocks) may only be repeated once.
5. Students who are repeating practicum as a ruling of the Performance Review Committee and who withdraw from the practicum will be considered to have made an unsuccessful attempt and the student will be withdrawn from the Faculty of Education.

**VI. Performance Contracts**

In some cases, students may be required to sign a Performance Contract in order to remain in the Faculty of Education.

- a) Failure to sign the contract will result in removal from the Faculty of Education.
- b) Failure to comply with the conditions of the contract can result in removal from the Faculty of Education.

**VII. Appeals and the Faculty of Education**

**a) Deferred Exams, Incomplete Term Work, and Grade Appeals**

1. Students are directed to [www.fed.usask.ca/academic/academic\\_services/academic\\_services.html](http://www.fed.usask.ca/academic/academic_services/academic_services.html) for information on these appeals and deadlines.

b) BEd Perfor Tel: 2.22425 0 e

class, the goal of all our students should be to create a positive learning environment where they learn from the instructor and each other. Faculty of Education students are expected to recognize the important and crucial role of the instructor in the learning process and to award their instructor

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|                |   |                |  |
|----------------|---|----------------|--|
| EDUC-4855(6)   | Senior Years Curriculum, Instruction and Assessment: English  | EDUC-4877(2.5) | Practicum Block II - Senior Years                                    |
| EDUC-4856(6)   | Senior Years Curriculum, Instruction and Assessment: French   | EDUC-4878(2.5) | Practicum Block III - Early Years                                    |
| EDUC-4857(3)   | Senior Years Curriculum, Instruction and Assessment: Geography  | EDUC-4879(2.5) | Practicum Block III - Middle Years                                   |
| EDUC-4858(3)   | Senior Years Curriculum, Instruction and Assessment: German   | EDUC-4880(2.5) | Practicum Block III - Senior Years                                   |
| EDUC-4859(3)   | Senior Years Curriculum, Instruction and Assessment: Health   | EDUC-4881(2.5) | Practicum Block IV - Early Years                                     |
| EDUC-4860(6)   | Senior Years Curriculum, Instruction and Assessment: History  | EDUC-4882(2.5) | Practicum Block IV - Middle Years                                    |
| EDUC-4861(6)   | Senior Years Curriculum, Instruction and Assessment: Mathematics  | EDUC-4883(2.5) | Practicum Block IV - Senior Years                                    |
| EDUC-4863(3)   | Senior Years Curriculum, Instruction and Assessment: Kinesiology  | EDUC-4884(3)   | Practicum Block - Red River College                                  |
| EDUC-4864(3)   | Senior Years Curriculum, Instruction and Assessment: Physics  | EDUC-4887(2.5) | Supplemental Practicum   |
| EDUC-4865(3)   | Senior Years Curriculum, Instruction and Assessment: Theatre & Drama  | EDUC-4890(3)   | Senior Years Curriculum, Instruction And Assessment: General Methods |
| EDUC-4866(3)   | Senior Years Curriculum, Instruction and Assessment: History and Philosophy of Science and Science Teaching | EDUC-4891(3)   | Practicum Block - Vocational Education                               |
| EDUC-4867(3)   | Senior Years Curriculum, Instruction and Assessment: Performance Production                                 | EDUC-5001(3)   | Special Topics in Education  |
| EDUC-4868(3)   | Curriculum, Instruction and Assessment: Principles of Learning French as a Second Language                  | EDUC-5401(3)   | Creative Problem Solving   |
| EDUC-4869(3)   | Senior Years Curriculum, Instruction and Assessment: Theory of Science Teaching                             | EDUC-5402(3)   | Expanding Gifted Education   |
| EDUC-4870(3)   | Senior Years Curriculum, Instruction and Assessment: Literacy Across the Curriculum                         | EDUC-5403(3)   | Meeting the Needs of Gifted Learners                                 |
| 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   |                |  |

deal with conflict between and among individuals and groups. Topics will include anger, power, creative dimensions of conflict, and mediation. These will be examined from an interdisciplinary perspective.

**RESTRICTIONS:** Students may not hold credit in both this course and CRS/MS-1200(6).

**CROSS-LISTED:** Conflict Resolution Studies CRS-2232(3).

**EDUC-2242(3) METHODS OF CONFLICT RESOLUTION**

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**COREQUISITES:** EDUC-3810(6).

**RESTRICTIONS:** Students may not receive credit for both EDUC-3811(2) and EDUC-3811(1).5 or EDUC-3802(1).5 or EDUC-3804(1).5.

**EDUC-3814(2) TEACHING/LEARNING AND THE K-8 CURRICULUM PRACTICUM (WEC) (A)** This course offers practical teaching experience in the schools under the guidance and supervision of practicum host teachers. Students complete 20 days of practicum over two terms (fall and winter) and an eight day block over two terms (fall and winter). This course must be taken concurrently with EDUC-3810(6) and will be closely integrated with that course's assignments.

**PREREQUISITES:** EDUC-2511(3) and EDUC-2514(1)

#### **CERTIFICATION COURSES**

**NOTE:** Courses at the 4000 level are normally reserved for Education students who have been admitted to the certification portion of the program and they are scheduled in a condensed format.

#### **EDUC-4000(3) SPECIAL TOPICS IN EDUCATION (Le3)**

This course will examine relevant issues and developments in education. Course content will vary from year to year.

The topic of each course will be available on the course page.

A flexible five half day pr

**PREREQUISITES:** EDUC-2513(3) or EDUC-3810(6) or admission to the After-Degree Program.

**EDUC-4820(3) EARLY YEARS EDUCATION (Le3)** This course examines the premises and objectives of Early Years Education. Students are introduced to the instructional approaches effective in achieving these goals.

**PREREQUISITE:** EDUC-3810(6) and available only to students admitted to the certification portion of the degree and the Early Years Stream.

**EDUC-4821(3) MIDDLE YEARS EDUCATION (Le3)** This course examines the premises and objectives of Middle Years Education. Students are introduced to the instructional approaches effective in achieving these goals.

**PREREQUISITE:** EDUC-3810(6) and available only to students admitted to the certification portion of the degree and the Middle Years Stream.

**EDUC-4835(1) EARLY YEARS CURRICULUM, INSTRUCTION AND ASSESSMENT: ART (Le1)** This course introduces students to the instructional approaches and assessment techniques relevant to the teaching of Art within the context of the Manitoba Education and Training curriculum framework for the early years.

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

**COREQUISITES:** EDUC-4835(1)-EDUC-4842(3) and associated practicum courses.

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Education and Training curriculum

context of the Manitoba Education and Training curriculum  
framework for Geography.  
**PREREQUISITE**

notions of text and literacy across the curriculum.

Prospective teachers are asked to consider how to bring learners and texts together to explore and construct meaning within their particular content areas. To this end, students are introduced to dominant theories and current approaches in the engagement of subject area texts through reading, viewing, listening, writing, speaking, and representing.

**PREREQUISITE:** Available only to students admitted to the certification portion of the progra

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Senior Years settings under the guidance and supervision of  
practicum host teachers. This practicum includes a 5 week  
block plus 1 day a week of exw

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khs

EDUC-5406(3) STEPS TO ACHI

group processes. Strategies for facilitating productive and therapeutic guidance groups are investigated and the development of leadership skills in group counseli





# ENGLISH (ENGL)

Updated March 29 2012

**Note: The department/program code ENGL replaces the former code 17. Students cannot hold credit in ENGL-xxxx and the  
pe**

## REQUIREMENTS FOR A 4-YEAR BA IN ENGLISH

### ADMISSION REQUIREMENT

Students must consult with the department advisor in planning their studies.

- (Cont'd)
- ENGL-3716(6) Canadian Literature and Culture after 1914
  - ENGL-3717(6) Aboriginal Literatures
  - ENGL-3719(3) Literature of Manitoba
  - ENGL-3725(6) American Literature and Culture after 1914
  - ENGL-3901(6) Queer Literature, Culture and Theory

6 credit hours from

- 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: ( )Tj Tj 4.44849 0 Td (i)Tj 1.2410Td (a)Tj n9.18 Td (E)Tj 5.322425 0 Td (( )Tj Tj 4.44849 0 Td (i)Tj 1.2410Td (a)Tj n49 0



ENGL-3114(3) Writing Poems  
ENGL-3115(3) Writing for Children  
ENGL-3116(3) Topics in Creative Writing (see English website for current description)  
THFM-2610(3) Script and Screen\*  
THFM-2611(3) Introduction to Screenwriting\*  
THFM-2612(3) Script and the Small Screen\*  
THFM-2701(6) Playwriting I\*  
THFM 3701(6) Playwriting IIDL.224()Tj 2.64505 0 Td (6)Tj 4.44849 0 Td ( )Tj625 0 Td (l)Tj 80 j 4.44849 0 Td (1)Tj 4.4

2. Participation in a practicum related to Young People's Texts and Cultures, through 6 credit hours of study in a practicum course, normally taken as a capstone course in the final year of the program:  
ENGL-3120(6) Practicum in Literature, Literacy and Language  
ENGL-4103(3) Research Apprenticeship  
ENGL-4104(3) Tutorial Apprenticeship in English
3. A minimum of 18 additional credit hours of study in English courses other than courses in Young People's Texts and Cultures.

**Required Cognate Courses**

18-36 credit hours of study in cognate departments. Suggested cognate departments include: Anthropology, Classics, Rhetoric, Writing, and Communications, History, History of Art, Modern Languages, Philosophy, Politics, Religious Studies, Sociology, Theatre and Film, and Women's and Gender Studies.

\*Students must consult with an English Department advisor for Young People's Texts and Cultures in planning their program of study and completing the required forms **at each registration**.

## **REQUIREMENTS FOR AN HONOU**





ENGL-3101(6) Creative Writing Comprehensive

ENGL-3102(1) Creative Writing Field Research

ENGL-3112(6) Advanced Creative Writing

ENGL-3113(3) Writing Short Fiction

ENGL-3114(3) Writing Poems

ENGL-3115(3) Writing for Children

ENGL-3116(3) Topics in Creative Writing

ENGL-3117(3) 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) Topics in Young People's Cultural and Literary Texts

ENGL-3169(3) Films for Young People

ENGL-3180(6) The Making of Peace and War in Literatures

ENGL-3190(6) Literature and Film

ENGL-3209(6) Eighteenth-Century Literature and Culture

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(3) Canadian Literature and Culture after 1914





**ENGL-2601(6) THE NOVEL (Le3)** This course will vary in emphasis from year to year. It may consist of an historical overview of the national or international development of prose fiction over several centuries, Tj 4.26815 0 Td (m)Tj 6.49239 0 Td (p)Tj 4.26815 0 Td ( Td (t)Tj 1.98379 0 Td (u)Tj 4.26815 803 0 Td (n)Tj 4.)Tj 4.2681803 0 T



and compounding as well

of “children’s” literature. In any given offering of the course, the instructor might focus on picture books, fiction for young adults, or other forms. Please consult the English department website for a current course description. Interested students should submit a five-page portfolio of their own writing (any genre) to the Department of English well before registration.

**PREREQUISITE**

as looking at the history of the Hollywood system as this pertains to films for children and adolescents, we also look at the films for and about young people produced by international and independent filmmakers. Some attention is paid to developing strategies and a vocabulary for reading film.

**PREREQUISITES** ~~707490~~ (.)Tj 2.22425 0 4.44849 0 Td Tj 4.2d (U)Tj 4L30 Td (d)Tj 4.44849 0 Td (i)Tj 1.8207.34 671.82 TTj 2.28436 0 Td (rT0-j 4.44849 0: Td (n)Tj 4.44849 0 Td

**ENGL-3713(3) or (6) CONTEXTS IN CANADIAN LITERATURE (Le3)** This course explores the fiction, poetry, drama, and non-fiction written in Canada in the nineteenth, twentieth and twenty-first centuries. Literary texts are studied in their cultural, historical, political, and economic contexts. As well ah,7 n

tragedy and comedy are addressed. The plays are situated within their broader historical and festival contexts to make clear their cultural significance.

**CROSS-LISTED:** CLAS-3755(3)

**RESTRICTIONS:** Students with credit in the former CLAS-3752(3) or CLAS-3753(3) may not gain credit in this course.

**ENGL-3756(3) TOPICS IN ANCIENT LITERATURE (Le3)**

This course deals with the interpretation and appreciation of literary genres, authors, or works from the canon of Greek and Latin literature. The focus of study varies from year to year. Examples include love poetry, satire, the ancient novel, and letter-writing as a literary form. Information

source: [https://www.collegeboard.org/courses/engl-3756\(3\)-topics-in-ancient-literature-le3](https://www.collegeboard.org/courses/engl-3756(3)-topics-in-ancient-literature-le3)

**ENGL-4131(6) SPECIAL STUDIES II (S3)** Students interested in advanced study in a specific area should consult the professor with whom they propose to work. Special Studies courses are offered only in exceptional circumstances, and/or only when students can satisfy program requirements in no other way, and only where the course proposal follows departmental guidelines and receives approval from the Departmental Curriculum Committee and the Department Chair.

**PREREQUISITES:** 6 credit hours in First-Year English, including ENGL-1001(6) or ENGL-1000(3).

**COREQUISITES:** ENGL-2142(6).

**ENGL-4211(6) THE ROMANTIC MOVEMENT IN ENGLISH LITERATURE (S3)** This course is a study of the origins and modes of Romanticism. Emphasis will be placed upon Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats.

**PREREQUISITES:** 6 credit hours in First-Year English, including ENGL-1001(6) or ENGL-1000(3).

**COREQUISITES:** ENGL-2142(6).

**ENGL-4242(6) MEDIEVAL LITERATURE 1350-1500 (S3)**

This course discusses representative works of medieval romance and visionary allegory toward an appreciation of these two seminal genres. The course focuses particularly on Malory's *Morte d'Arthur*, and some continental predecessors in translation (and Chretien's romances), lays and metrical romances, lyrics, mystery plays, and works by known female authors, as well as texts from medieval revivals in later centuries, may also receive attention.

**PREREQUISITE:** 6 credit hours in First-Year English, including ENGL-1001(6) or ENGL-1000(3).

**COREQUISITES:** ENGL-2142(6).

**ENGL-4251(6) SIXTEENTH-CENTURY LITERATURE (S3)**

This course studies a selection of poetry, drama, and prose by sixteenth-century English writers. Attention is given to developments in literary styles and to significant religious, scientific, political, social, and philosophical contexts, such as, for example, the new world, exploration and colonization, religious reformation, the rise of individualism, and the discourse of gender relations.

**PREREQUISITE:** 6 credit hours in First-Year English, including ENGL-1001(6) or ENGL-1000(3)

**COREQUISITES:** ENGL-2142(6).

**ENGL-4261(6) SEVENTEENTH-CENTURY LITERATURE**

**(S3)** This course studies a selection of poetry, drama, and prose by seventeenth-century English writers. Attention is given to developments in literary styles and to significant religious, scientific, political, social, and philosophical contexts, such as, for example, Kingship, puritanism, exploration and colonization, civil war, and revolution.

**PREREQUISITE:** 6 credit hours in First-Year English, including ENGL-1001(6) or ENGL-1000(3).

**COREQUISITES:** ENGL-2142(6).

ENGL-1001(6) or ENGL-1000(3) ENGL-2142(6)

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# EXPERIMENTAL COURSE DESCRIPTIONS

## **ENGL-3709(3) TOPICS IN CANADIAN LITERATURE AND CULTURE (Le3)**

This course focuses on a topic in Canadian Literature and Culture which varies from year to year.

Possible topics are: memoirs and life writing; the gothic; travel writing; historical fiction; alternative comics; Black Canadian writing; trauma and memory; Mennonite writing; representations of disability; dystopias; and bestsellers and prize winners. Students should consult the English Department website for information about the specific iterations of this course. This course may be repeated once for credit when the topic varies.

**PREREQUISITE:** 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-100(3).

## **ENGL-3723(3) TOPICS IN INDIGENOUS TEXTS AND CULTURES (Le3)**

This course examines a range of texts by Indigenous artists and other cultural producers. In an era when stereotypes, racism, injustices and inequities continue to undermine the well being of many, Indigenous artists, along with Indigenous and non-Indigenous scholars across a range of disciplines, activists, community members, and others are contributing to Indigenous peoples' health, healing, and self-determination. The course emphasizes Indigenous values, knowledges, and theories. In a given year, we might focus on a specific artist, nation, country, genre, or period. Students should consult the English Department website for a description of the course offered in a given year.

**PREREQUISITE:** 6 credit hours of First-Year English, including ENGL-1001(6) or ENGL-100(3).

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**GEOG-2309(3)** Statistical Techniques in Environmental  
Analysis

**GEOG-2414(3)** The Urban Envirntal

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**GRADUATION REQUIREMENT**

120 credit hours

**RESIDENCE REQUIREMENT**

Degree:

Minimum 60 credit hours

Major:

Minimum ~~3333333333~~ MN

## URBAN ENVIRONMENTS

Required courses:

**BIOL-1106(3)** Environmental Biology

**CHEM-2801(3)** Chemistry and Society

**ECON-1104(3)** Introduction to Economic Science

**ECON-234(3)** Environmental Economics

Single Honours:

Minimum requirements for a 4 year BA degree in Environmental Studies in either of the following streams: Issues in Sustainability or Urban Environment. Minimum 30 credit hours in upper-level (3000 and 4000) courses of which a minimum of 12 credit hours must be at the 4000 level.

Required Courses:

**GEOG-2309(3)**

**ENV-4611 (6)**

**ENV-4701(6)**

Statistical Techniques in Environmental Analysis

Environment Impact Assessment

Environmental Studies Honours Thesis

**REQUIREMENTS FOR A 4-~~5~~ YEAR B.A. DEGREE IN ENVIRONMENTAL STUDIES ( )Tj 3.36638 0 Td (4.35021 0 4**

**CHEM-2401(3)** Inorganic Chemistry I  
**CHEM-2501(3)** Principles of Biochemistry or **CHEM-3502(3)** Intermediate Biochemistry I or **ENV/CHEM-3611(3)**  
Environmental Toxicology  
**CHEM-3302(3)** Methods of Chemical Analysis  
**CHEM-3601(3)** Environmental Chemistry  
**MATH-1101(6)** Introduction to Calculus I  
HTH-1101 Introduction to Health, Safety, and Environment I  
HTM-1101 Introduction to Health, Safety, and Environment II

Required courses:

Core courses for all BSc students (except that ENV-2603(3) Environmental Sustainability: A Global Dilemma is not required and GEOG-2309(3) Statistical Techniques in Environmental Analysis is required) PLUS

|                         |  |
|-------------------------|--|
| <b>BIOL-2153(3)</b>     | Biology of Vascular Plants                             |
| <b>BIOL/ENV-2401(1)</b> | Forest Field Skills Camp **                            |
| <b>BIOL-2477(3)</b>     | Forest Measurement +                                   |
| <b>BIOL-3152(3)</b>     | Flowering Plants in Manitoba                           |
| <b>BIOL-3471(3)</b>     | Forest Ecology   |
| <b>BIOL-3473(3)</b>     | Principles of Silviculture +                           |
| <b>BIOL-3476(3)</b>     | Forest Policy and Management                           |
| <b>BIOL-4451/2</b>      | Forest Ecosystems Field Course **                      |
| <b>BIOL-4471(3)</b>     | Ecological Methodology                                 |
| <b>BIOL-4473(3)</b>     | Dendrochronology +                                     |
| <b>BIOL-4474(3)</b>     | Forest Health and Protection* +                        |
| <b>BIOL-4475(3)</b>     | Urban Forestry* +                                      |
| <b>GEOG-2213(3)</b>     | Introductory Soil Science                              |
| <b>GEOG-2306(3)</b>     | <b>Introduction to Geographic Information Systems-</b> |
| <b>ENV-3607(3)</b>      | Forests and the Environment +                          |
| <b>ENV-3608(3)</b>      | Forest Wildlife Management +                           |

Suggested electives:

|                     |   |
|---------------------|---|
| <b>BIOL-2115(3)</b> | Biology of Invertebrates                  |
| <b>BIOL-3410(3)</b> | Freshwater Ecology                        |
| <b>BIOL-3801(3)</b> | General Entomology*                       |
| <b>BIOL-4116(3)</b> | Biology Honours Thesis                    |
| <b>GEOG-2207(3)</b> | Climatology                               |
| <b>GEOG-2316(3)</b> | Remote Sensing                            |
| <b>GEOG-2414(3)</b> | The Urban Environment*                    |
| <b>GEOG-3210(3)</b> | Hydrology                                 |
| <b>GEOG-3215(3)</b> | Biogeography                              |
| <b>GEOG-3306(3)</b> | Advanced Geographic Information Systems   |
| <b>GEOG-3319(3)</b> | Advanced Remote Sensing                   |
| <b>ENV-4613(3)</b>  | Directed Studies in Environmental Studies |
| <b>ENV-4615(3)</b>  | Environmental Soil Science                |

\* courses with prerequisites that are not required courses in the major

\*\* The field courses are typically held in alternating years in the spring or summer session.

+ Typically held in alternating years in the fall/winter session.

## FOREST POLICY AND MANAGEMENT

Required courses:

Core courses for all BSc students (except that GEOG-2309(3) Statistical Techniques in Environmental Analysis is required) PLUS

**BIOL-2153(3)** Biology of Vascular Plants

**BIOL/ENV-2401(1)** Forest Field Skills Camp \*\*

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

## **INTRODUCTION**

This is a joint degree program whereby students are required to take courses at both The University of Winnipeg and Red River College in a prescribed sequence. The program has been specifically designed



~~STAT-1201(6)~~ Introduction to Statistical Analysis  
~~STAT-4501(3)~~ Elementary Biological Statistics I  
3 credits 566516 0 Td (1)Tj 4.49 0 Td (i)Tj 1.80344 0 Td (c)Tj 4.177 -9.24 Td ( )Tj v3

# REQUIREMENTS FOR AN HONOURS BSC IN ENVIRONMENTAL STUDIES

## ADMISSION REQUIREMENT

Students must consult with the Department Advisor in planning their studies.

## GRADUATION REQUIREMENT

Graduation G.P.A. Requirement

120 credit hours

To graduate with a BSc Honours, students must have completed the course requirements for a BSc in Environmental Studies with a minimum GPA of 3.0 on all Environmental Studies courses, which will be calculated on all course attempts in the major. Students must also have 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

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 at 4000 level

## GENERAL DEGREE REQUIREMENT

Humanities:

12 credit hours in Humanities

Science:

6 credit hours

Social Science:

12 credit hours

Writing:

Minimum 3 credit hours of Academic Writing. RHET-1106(3) Academic Writing: L4250, 4251, 4252, 4253, 4254, 4255, 4256, 4257, 4258, 4259, 4260, 4261, 4262, 4263, 4264, 4265, 4266, 4267, 4268, 4269, 4270, 4271, 4272, 4273, 4274, 4275, 4276, 4277, 4278, 4279, 4280, 4281, 4282, 4283, 4284, 4285, 4286, 4287, 4288, 4289, 4290, 4291, 4292, 4293, 4294, 4295, 4296, 4297, 4298, 4299, 4300, 4301, 4302, 4303, 4304, 4305, 4306, 4307, 4308, 4309, 4310, 4311, 4312, 4313, 4314, 4315, 4316, 4317, 4318, 4319, 4320, 4321, 4322, 4323, 4324, 4325, 4326, 4327, 4328, 4329, 4330, 4331, 4332, 4333, 4334, 4335, 4336, 4337, 4338, 4339, 4340, 4341, 4342, 4343, 4344, 4345, 4346, 4347, 4348, 4349, 4350, 4351, 4352, 4353, 4354, 4355, 4356, 4357, 4358, 4359, 4360, 4361, 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369, 4370, 4371, 4372, 4373, 4374, 4375, 4376, 4377, 4378, 4379, 4380, 4381, 4382, 4383, 4384, 4385, 4386, 4387, 4388, 4389, 4390, 4391, 4392, 4393, 4394, 4395, 4396, 4397, 4398, 4399, 4400, 4401, 4402, 4403, 4404, 4405, 4406, 4407, 4408, 4409, 4410, 4411, 4412, 4413, 4414, 4415, 4416, 4417, 4418, 4419, 4420, 4421, 4422, 4423, 4424, 4425, 4426, 4427, 4428, 4429, 4430, 4431, 4432, 4433, 4434, 4435, 4436, 4437, 4438, 4439, 4440, 4441, 4442, 4443, 4444, 4445, 4446, 4447, 4448, 4449, 4450, 4451, 4452, 4453, 4454, 4455, 4456, 4457, 4458, 4459, 4460, 4461, 4462, 4463, 4464, 4465, 4466, 4467, 4468, 4469, 4470, 4471, 4472, 4473, 4474, 4475, 4476, 4477, 4478, 4479, 4480, 4481, 4482, 4483, 4484, 4485, 4486, 4487, 4488, 4489, 4490, 4491, 4492, 4493, 4494, 4495, 4496, 4497, 4498, 4499, 4500, 4501, 4502, 4503, 4504, 4505, 4506, 4507, 4508, 4509, 4510, 4511, 4512, 4513, 4514, 4515, 4516, 4517, 4518, 4519, 4520, 4521, 4522, 4523, 4524, 4525, 4526, 4527, 4528, 4529, 4530, 4531, 4532, 4533, 4534, 4535, 4536, 4537, 4538, 4539, 4540, 4541, 4542, 4543, 4544, 4545, 4546, 4547, 4548, 4549, 4550, 4551, 4552, 4553, 4554, 4555, 4556, 4557, 4558, 4559, 4560, 4561, 4562, 4563, 4564, 4565, 4566, 4567, 4568, 4569, 4570, 4571, 4572, 4573, 4574, 4575, 4576, 4577, 4578, 4579, 4580, 4581, 4582, 4583, 4584, 4585, 4586, 4587, 4588, 4589, 4590, 4591, 4592, 4593, 4594, 4595, 4596, 4597, 4598, 4599, 4600, 4601, 4602, 4603, 4604, 4605, 4606, 4607, 4608, 4609, 4610, 4611, 4612, 4613, 4614, 4615, 4616, 4617, 4618, 4619, 4620, 4621, 4622, 4623, 4624, 4625, 4626, 4627, 4628, 4629, 4630, 4631, 4632, 4633, 4634, 4635, 4636, 4637, 4638, 4639, 4640, 4641, 4642, 4643, 4644, 4645, 4646, 4647, 4648, 4649, 4650, 4651, 4652, 4653, 4654, 4655, 4656, 4657, 4658, 4659, 4660, 4661, 4662, 4663, 4664, 4665, 4666, 4667, 4668, 4669, 4670, 4671, 4672, 4673, 4674, 4675, 4676, 4677, 4678, 4679, 4680, 4681, 4682, 4683, 4684, 4685, 4686, 4687, 4688, 4689, 4690, 4691, 4692, 4693, 4694, 4695, 4696, 4697, 4698, 4699, 4700, 4701, 4702, 4703, 4704, 4705, 4706, 4707, 4708, 4709, 4710, 4711, 4712, 4713, 4714, 4715, 4716, 4717, 4718, 4719, 4720, 4721, 4722, 4723, 4724, 4725, 4726, 4727, 4728, 4729, 4730, 4731, 4732, 4733, 4734, 4735, 4736, 4737, 4738, 4739, 4740, 4741, 4742, 4743, 4744, 4745, 4746, 4747, 4748, 4749, 4750, 4751, 4752, 4753, 4754, 4755, 4756, 4757, 4758, 4759, 4760, 4761, 4762, 4763, 4764, 4765, 4766, 4767, 4768, 4769, 4770, 4771, 4772, 4773, 4774, 4775, 4776, 4777, 4778, 4779, 4780, 4781, 4782, 4783, 4784, 4785, 4786, 4787, 4788, 4789, 4790, 4791, 4792, 4793, 4794, 4795, 4796, 4797, 4798, 4799, 4800, 4801, 4802, 4803, 4804, 4805, 4806, 4807, 4808, 4809, 4810, 4811, 4812, 4813, 4814, 4815, 4816, 4817, 4818, 4819, 4820, 4821, 4822, 4823, 4824, 4825, 4826, 4827, 4828, 4829, 4830, 4831, 4832, 4833, 4834, 4835, 4836, 4837, 4838, 4839, 4840, 4841, 4842, 4843, 4844, 4845, 4846, 4847, 4848, 4849, 4850, 4851, 4852, 4853, 4854, 4855, 4856, 4857, 4858, 4859, 4860, 4861, 4862, 4863, 4864, 4865, 4866, 4867, 4868, 4869, 4870, 4871, 4872, 4873, 4874, 4875, 4876, 4877, 4878, 4879, 4880, 4881, 4882, 4883, 4884, 4885, 4886, 4887, 4888, 4889, 4890, 4891, 4892, 4893, 4894, 4895, 4896, 4897, 4898, 4899, 4900, 4901, 4902, 4903, 4904, 4905, 4906, 4907, 4908, 4909, 4910, 4911, 4912, 4913, 4914, 4915, 4916, 4917, 4918, 4919, 4920, 4921, 4922, 4923, 4924, 4925, 4926, 4927, 4928, 4929, 4930, 4931, 4932, 4933, 4934, 4935, 4936, 4937, 4938, 4939, 4940, 4941, 4942, 4943, 4944, 4945, 4946, 4947, 4948, 4949, 4950, 4951, 4952, 4953, 4954, 4955, 4956, 4957, 4958, 4959, 4960, 4961, 4962, 4963, 4964, 4965, 4966, 4967, 4968, 4969, 4970, 4971, 4972, 4973, 4974, 4975, 4976, 4977, 4978, 4979, 4980, 4981, 4982, 4983, 4984, 4985, 4986, 4987, 4988, 4989, 4990, 4991, 4992, 4993, 4994, 4995, 4996, 4997, 4998, 4999, 5000

sustainable development, deep ecology, environmental justice and global change are emphasized.

**PREREQUISITES:** ENV-1600(3) or SOC-1101(6), or permission of instructor.

**CROSS-LISTED:** Sociology SOC-2502(3).

**ENV-2521(3) VOLUNTARY SIMPLICITY (Le3)**

Development is increasingly understood as a participatory, deliberate process aimed at enhancing quality of life for individuals within community. This course examines the concept, theory, and practice of voluntary simplicity as a means of development for individuals seeking alternatives to consumer values and culture. The course explores both the historical roots of voluntary simplicity and its modern expressions, with special emphasis on the relevance of simplicity to building emotional well-being, vibrant community, sustainable environment, and social justice.

**PREREQUISITES:** ENV-1600(3) or IDS-1100(6), or permission of instructor.

**CROSS-LISTED:** International Development Studies IDS-2521(3).

**ENV-2603(3) ENVIRONMENTAL SUSTAINABILITY: A GLOBAL DILEMMA (Le3)**

This course focuses on environmental factors relevant to understanding and implementing sustainable development. Its aim is to teach students to understand and appreciate fundamental ecological principles within the context of social values and technological constraints. Moreover, the course seeks to equip students to assess environmental problems from an interdisciplinary perspective, and to develop strategies that might solve these problems. Topics or issues that may be addressed include: ecosystem dynamics; feedback in environmental processes; the concepts of carrying capacities and population thresholds; optimum yield theory; loss of biodiversity; over consumption and overpopulation; deforestation, desertification and pollution; energy demand versus supply; urbanization trends; global warming; ozone layer depletion; resource management, conservation, and recovery; and environmental monitoring and impact assessment. This course may be taken for major credit in

Environmental 8#9 0 Td (n)Tj 4.44849 0 Td (d)Tj 4.44849 0 Td (s)Tj 4.02769 0 Td (;)Tj 2.22425 0 Td ( )Tj 2.22425 0 Td (g)Tj 4.44849 0 Td (l)Tj 1.80344 0 T



**ENV-4701(6) HONOURS ENVIRONMENTAL STUDIES**

**THESIS (P)** This course provides an opportunity for students to undertake a research project of personal interest under the guidance of a faculty member or equivalent and the Course Coordinator. Practical experience is provided in research design and methodology, data analysis, in the verbal and written presentation of the findings, and participation in academic conferences. This course is intended to provide students with a solid background for entry into graduate programs or research-oriented careers.

**PREREQUISITES:** GEOG 2309 (3) (5) or Td (P)Tj /R67 6.48 Tf 0.998083 0 0 1 76.86 625.92 Tm (R)Tj 4.68899 3.80344 0 Td (c) P m 6.48 0 2()Tj 2.645c23o215.872-9.13Td (h)Tj 4.44849 0 Td (-)Tj 4.44849 0 Td (u)Tj 4.44849 0 Td (r)Tj 2.645

# FRENCH STUDIES (FREN)

Updated March 5, 2012

Note: eM  
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Prescribed Courses:

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

**HONOURS REQUIREMENT**

Single Honours: Minimum 54 credit hours/Maximum 78 credit hours.  
Minimum 12 credit hours in literature.  
Minimum 30 credit hours at upper level (3000 and 4000) Honours Subject courses of which a minimum of 15 credit hours must be at the 4000-level.  
Double Honours: Minimum 36 credit hours in each Honours subject.  
Minimum 9 credit hours in literature.  
Minimum 24 credit hours at the upper level (3000 and 4000) in the French e.t ht g 4172, 645, 26, 64505, 0114, 417, 404



FREN-3301(3) History of the French Language

**LITERATURE COURSES**

**Note:** Not all of the following courses will be offered in any given session. Please consult the timetable. All students registering for their first French Studies course **must** consult a departmental advisor.

FREN-2180(3) Introduction to Literary Analysis

FREN-2182(3) The Origins and Evolution of Modern  
Canadian

Modern Francophone Literature



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

**FREN-2180(3) INTRODUCTION TO LITERARY ANALYSIS**  
**(Le3)** This course gi

placed on the contemporary period, and various genres are studied.

**PREREQUISITES:** FREN-2180(3), the former FREN-1381(6), or permission of instructor.

**FREN-2748(3) LE THÉÂTRE CLASSIQUE (Le3)**

This course will investigate some of the changing concepts of tragedy and comedy in seventeenth-century French drama. Plays by famous dramatists such as Corneille,

Molière and Racine will be examined in lighd (C)Tj 5.77102 0 T 4.44849 0 Td (s)Tj 4.02769 0 Td ( 4 Td (e)Tj 4.44849 0 Td ( )Tj 2.22425 0 Td (e)Tj 4.44849

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course focuses on the narrative and discursive development of the Québec novel from the end of the nineteenth century to the 1950s. The wo



# GEOGRAPHY (GEOG)

Updated July 20, 2012

**Note: The department/program code GEOG replaces the former code 23. Students cannot hold credit in GEOG-xxxx and the former 23.xxxx having the same course number (e.g., GEOG-1102(3) and 23.1102(3)).**

**Co-Chairs: Associate Professor Patricia Fitzpatrick and Instructor Mark Krawetz;** Professors: W.J. Carlyle, E. Cloutis, J.C. Lehr, E. Peters, W.F. Rannie; Associate Professor: B. Buhay, J. Distasio, P. Fitzpatrick; R. Stock, M. Vachon; Assistant Professors: J. Binyamin, C. Storie; J. Storie; Instructor: B.R. McGregor; Cartographer: W. Hiebert; Lab Technician: K. Monson; Map Librarian: B. Russell; Office Assistant: Tania Guevara Sandoval; Adjunct Professor: L. Fishback.

## DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

4-Year BA (UW/RRC)

Honours BA

3-Year BSc

3-Year BSc (Business Stream)

4-Year BSc

4-Year BSc (Business Stream)

4-Year BSc (UW/RRC)

Honours BSc

## INTRODUCTION

The study of Geography is concerned with the Earth in two ways - as the science of interaction between natural elements of the environment, such as weather, plants, soils, and landforms and, secondly, as the science of the distribution and activities of the Earth's population in response to various social and environmental factors. Systematic studies in Geography examine the locations, distributions, arrangements, and associations between groups of interrelated features. In contrast, regional studies examine the totality of geographic phenomena in a particular area. No matter what approach is taken, there are certain skills and techniques that are of particular geographic relevance (e.g., remote sensing, cartography, Geographic Information Systems).

As a reflection of the diversity that exists within the study of Geography and the special skills required, the Department offers courses within five areas of study: General, Physical Geography, Geomatics (formerly Techniques), Systematic Human Geography, and Regional Geography. One may earn either the 3-Year or 4-Year Bachelor's degree in either Arts or Science, as well as the BA Honours or BSc Honours degree. Students pursuing a 3-year or 4-year BSc also have the opportunity to take a Business Stream – a set of core courses in the Faculty of Business that will provide them with the skills needed to enter and succeed in industry and business. See the "Science with a Business Stream" section of this Course Calendar. Students may also earn a 4-Year BA or BSc degree in a joint program in Geography/Geographic Information Systems with Red River College.

Geography offers a considerable variety of career opportunities. High schools require a continuing supply of Geography teachers. Various federal and provincial agencies dealing with conservation, agriculture, and industry require graduates in Geography.



Common Geogr



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.  
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:**

Common Geography Requirement (12 credit hours)

- 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

Regional Geography Requirement (6 credit hours) - Minimum of 6 credit hours from among the following:

- GEOG-2503(3)** Manitoba's Physical and Human Environments
- GEOG-3216(3)** Arctic Environments
- GEOG-3508(3)** Geographical Issues in the Developing World
- GEOG-3509(3)** Canada's Physical and Human Environments
- GEOG-3510(3)** Prairie Landscapes
- GEOG-3511(3)** ~~3505(3) 2003(3) 2004(3) 2005(3) 2006(3) 2007(3) 2008(3) 2009(3) 2010(3) 2011(3) 2012(3) 2013(3) 2014(3) 2015(3) 2016(3) 2017(3) 2018(3) 2019(3) 2020(3) 2021(3) 2022(3) 2023(3) 2024(3) 2025(3) 2026(3) 2027(3) 2028(3) 2029(3) 2030(3) 2031(3) 2032(3) 2033(3) 2034(3) 2035(3) 2036(3) 2037(3) 2038(3) 2039(3) 2040(3) 2041(3) 2042(3) 2043(3) 2044(3) 2045(3) 2046(3) 2047(3) 2048(3) 2049(3) 2050(3) 2051(3) 2052(3) 2053(3) 2054(3) 2055(3) 2056(3) 2057(3) 2058(3) 2059(3) 2060(3) 2061(3) 2062(3) 2063(3) 2064(3) 2065(3) 2066(3) 2067(3) 2068(3) 2069(3) 2070(3) 2071(3) 2072(3) 2073(3) 2074(3) 2075(3) 2076(3) 2077(3) 2078(3) 2079(3) 2080(3) 2081(3) 2082(3) 2083(3) 2084(3) 2085(3) 2086(3) 2087(3) 2088(3) 2089(3) 2090(3) 2091(3) 2092(3) 2093(3) 2094(3) 2095(3) 2096(3) 2097(3) 2098(3) 2099(3) 2100(3) 2101(3) 2102(3) 2103(3) 2104(3) 2105(3) 2106(3) 2107(3) 2108(3) 2109(3) 2110(3) 2111(3) 2112(3) 2113(3) 2114(3) 2115(3) 2116(3) 2117(3) 2118(3) 2119(3) 2120(3) 2121(3) 2122(3) 2123(3) 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**GEOG-1201(3)** Introductory Atmospheric Science  
**GEOG-1202(3)** Introductory Earth Science

Physical Geography/Geomatics Requirement (45 credit hours)

**GEOG-2304(3)** Computer Mapping  
**GEOG-2306(3)** Introduction to Geographic Information Systems  
**GEOG-2309(3)** Statistical Techniques in Environmental Analysis or STAT-1201(6) Introduction to Statistic Analysis  
**GEOG-2316(3)** Remote Sensing  
**GEOG-3330(3)** Research Methods in Geography

12 credit hours from among

**GEOG-2207(3)** Climatology  
**GEOG-2210(3)** Meteorology  
**GEOG-2213(3)** Introductory Soil Science  
**GEOG-2214(3)** Soil-Vegetation Systems  
**GEOG-2215(3)** Mineralogy and Petrology  
**GEOG-2216(3)** Physical Geology  
**GEOG-2218(3)** Fluvial and Hillslope Processes  
**GEOG-2219(3)** Glacial and Periglacial Processes  
**GEOG-3210(3)** Hydrology

18 additional credit hours from the Physical Geography or Geomatics groups

Overall minimum of 12 credit hours of upper level (3000 and 4000) Physical Geography or Geomatics courses with a minimum of 6 credit hours at the 4000 level.

External Science Requirement (24 credit hours)

Minimum of 24 credit hours selected from at least two (2) of the Departments of Biology, Applied Computer Science, Chemistry, Mathematics, Physics, and Statistics.

The following courses do not qualify:

**ACS-1453(3)** Introduction to Computers  
**ACS-1803(3)** Introduction to Computer-based Systems  
**BIOL-1005(6)** **Concepts in Science**  
**BIOL-1102(6)** Biology and Human Concerns  
**BIOL-1103(6)** Human Biology  
**BIOL-1106(3)** Environmental Biology  
**CHEM-0100(3)** Foundation (3)

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# REQUIREMENTS FOR AN HONOURS BA IN GEOGRAPHY

ADMISSIOH O N O

## **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 Hon

**BIOL-1005(6)** Concepts in Science  
**BIOL-1102(6)** Biology and Human Concerns  
**BIOL-1103(6)** Human Biology  
**BIOL-1106(3)** Environmental Biology  
**CHEM-0100(3)** Foundations of Chemistry  
**CHEM-1801(3)** Headline Chemistry  
**CHEM-2801(3)** Chemistry and Society

**MATH-0001(6)** Basic Mathematics  
**MATH-0005(3)** Introductory Mathematics  
**MATH-2901(3)** History of Calculus  
**MATH-2903(3)** Mathematics for Early/Middle Years Teachers  
**MULT-1005(6)** Concepts in Science  
**PHYS-1005(6)** Concepts in Science  
**PHYS-1501(6)** Modern Technology  
**PHYS-1701(6)** Astronomy  
**PHYS-2705(6)** Cosmology: Science Fact to Science Fiction  
**PHYS-2812(3)** The Physics of Music

Grade Point Requirement

GPA of 2.75 in non-Geography courses and 3.00 on all attempts in Geography courses (exit requirement).

**Suggested Patterns:**

Year 1: **GEOG-1102(3)** Introductory Human Geography I; **GEOG-1103(3)** Introductory Human Geography II; **GEOG-1201(3)** Introductory Atmospheric Science; **GEOG-1202(3)** Introductory Earth Science

Year 2: 12-18 credit hours in Geography. Recommended: **GEOG-2309(3)** Statistical Techniques in Environmental Analysis and **GEOG-2304(3)** Computer Mapping

Prerequisite course(s) for planned Honours courses.

Year 3: 3-6 credit hours at the 4000 level in Geography.

Year 4: 9-12 credit hours at the 4000 level in Geography, including the Thesis.

4000-level courses from other Departments may be credited toward the Geography Honours Major with ADVANCE WRITTEN APPROVAL from the Department Chair.

Students must consult with the Department Chair to determine whether they fulfill the general regulations for the Honours program.

Students must complete the Honours application form before EACH registration in a 4000-level course.

Students planning to complete a Double Honours degree in Geography must consult with the Department Chair for further details.

Social Science: 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: : t"1j0050861 0 Td (w)Tj 5.7109 0 Td ( )Tj 2.44849 0 Td (: )Tj 2.2S



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|------------------|--------------------------------|----|
| <b>CIVG-4025</b> | GIS Fundamentals               | 7  |
| <b>CIVG-4026</b> | Programming 1                  | 6  |
| <b>CIVG-4030</b> | Project Management Fundamental | 2  |
| <b>CIVG-4032</b> | Surveying                      | 2  |
| <b>CIVG-4034</b> | GIS Applications 1             | 3  |
| <b>TERM 2</b>    |                                |    |
| <b>CIVG-4027</b> | GIS Modeling                   | 4  |
| <b>CIVG-4028</b> | Applied Remote Sensing         | 3  |
| <b>CIVG-4029</b> | Programming 2                  | 6  |
| <b>CIVG-4031</b> | Spatial Database Management    | 5  |
| <b>CIVG-4033</b> | Thesis Project                 | 12 |
| <b>CIVG-4035</b> | GIS Applications 2             | 3  |

## REQUIREMENTS FOR THE UNIVERSITY OF WINNIPEG / RED RIVER COLLEGE 4-YEAR BSc (JOINT PROGRAM IN GEOGRAPHY / GEOGRAPHIC INFORMATION SYSTEMS)

### INTRODUCTION

This is a joint program of study whereby students are required to take courses at both The University of Winnipeg and Red River College. The program is intended to integrate a 4-year University of Winnipeg BSc in Geography with the 1-year Red River College Advanced Diploma in Geographic Information Systems. 4.44849 0 Td ( )Td (a)

**GEOG-2316(3)** Remote Sensing

**GEOG-3306(3)** Advanced Geographic Information Systems (should be taken after RRC Diploma Program)

**GEOG-3330(3)** Research Methods in Geography

**OTHER REQUIREMENTS FOR THE 4-YR BSc JOINT UW/RRC PROGRAM IN GEOGRAPHY/GIS (27 credit hours):**

**GROUP A COURSES:** Select twelve (12) credit hours from this group:

**GEOG-2207(3)** Climatology

**GEOG-2210(3)** Meteorology

**GEOG-2213(3)** Introductory Soil Science

**GEOG-2214(3)** Soil-Vegetation Systems

**GEOG-2215(3)** Mineralogy and Petrology

**GEOG-2216(3)** Physical Geology

**GEOG-2218(3)** Fluvial and Hillslope Processes

**GEOG-2219(3)** Glacial & Periglacial Processes

**GROUP B COURSES:** Select three (3) credit hours from this group:

**GEOG-2212(3)** Natural Hazards

**GEOG-3210(3)** Hydrology

**GEOG-3215(3)** Biogeography

**GROUP C COURSES:** Select three (3) credit hours from this group:

**GEOG-4203(3)** Topics in Climatology

**GEOG-4212(3)** Topics in Earth Science

**GEOG-4231(3)** Topics in Biogeography

**GEOG-4232(3)** Conservation

|  |    |
|--|----|
| <b>CIVG-4031</b> Spatial Database Management | 5  |
| <b>CIVG-4033</b> Thesis Project              | 12 |
| <b>CIVG-4035</b> GIS Applications 2          | 3  |

## **GENERAL INFORMATION**

### **Geography Courses Which Satisfy the Science Requirement**

The Science requirement will be satisfied by 6 credit hours from the following courses:

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etc.) and geomorphic change (weathering, erosion, and deposition by water, ice, and wind) will be survey

methods of computer mapping. Students make use of existing cartographic and statistical data bases, as well as input information through digitizing and scanning, to construct thematic maps using various microcomputer software packages.

**PREREQUISITES:** GEOG-1102(3) or GEOG-1103(3) or GEOG-1201(3) or GEOG-1202(3) or permission of instructor.

**GEOG-2306(3) INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (Le3, La2)** This course provides a systematic overview of GIS methodology and theory covering the essential principles of data acquisition, input, manipulation, and output. The laboratory component of this course provides hands-on experience using industry standard software.

**PREREQUISITES:** GEOG-2304(3) or permission of instructor.

**RESTRICTIONS:** Students with standing in the former GEOG-3302(6) may not receive credit for GEOG-2306(3).

**GEOG-2309(3) STATISTICAL TECHNIQUES IN  
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**PREREQUISITES:** GEOG-1102(3) AND GEOG-1103(3), or ENV-1600(3), WGS-1232(6) or permission of instructor.

**GEOG-2417(3) AN INTRODUCTION T**

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through a series of laboratory exercises and assignments. Students also gain exposure to RADAR and hyperspectral remote sensing including exposure to handheld imaging devices.

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newsworthy and unfolding issues of the day in the developing areas of the world.

**PREREQUISITES:** GEOG-1102(3) or GEOG-1103(3) or permission of the instructor.

**GEOG-3509(3) CANADA'S PHYSICAL AND HUMAN ENVIRONMENTS (Le3)** Canada's main regions are examined, with an emphasis on how the physical and human environments of each region have interacted to give it a unique character.

**PREREQUISITES:** A minimum of 3 credit hours of 1000-level Geography courses or permission of the instructor.

**RESTRICTIONS:** Students with standing in the former GEOG-3501(6) may not receive credit for GEOG-3509(3).

**GEOG-3510(3) PRAIRIE LANDSCAPES (Le3)** The Canadian Prairies are recognized as a main geographical region of Canada. This course focuses on the making of the human landscape of the region, although geological structure, climate, natural vegetation, and other physical features are included. The roles of Aboriginal Peoples and European and other immigrants in creating human landscapes are examined.

**GEOG-3511(3) TOPICAL REGIONS IN GEOGRAPHY (Le3)** This course is a systematic study of a topical world region from a geographic perspective. For the particular region selected for study, emphasis is placed on historical, political, socio-economic, cultural, demographic, and urban-rural development aspects as appropriate. The region of study will vary from year to year, with particular attention paid to regions currently or recently dominating world events.

**PREREQUISITES:** GEOG-1102(3) or GEOG-1103(3) or permission of the instructor.

**GEOG-3512(3) THE HUMAN GEOGRAPHY OF NORTHERN CANADA (Le3)** This course investigates contemporary issues in Canada's arctic and subarctic regions, focusing on the three territories: Yukon, Northwest Territories, and Nunavut. This region continues to be subjected to a variety of changes in the political, social and economic landscapes. The purpose of this course is to provide students insight into how these changes impact the human geography of northern Canada. Special attention is paid to ongoing and newsworthy issues.

**PREREQUISITES:** GEOG-1102(3) or permission of instructor.

**GEOG-4203(3) TOPICS IN CLIMATOLOGY (S3)** This seminar course requires students to complete climate-related research projects, either individually or as a group. Research topics will vary to suit the interests of both the Instructor and the students.

**PREREQUISITES:** the former GEOG-2205(6) or the former GEOG-2206(3), or GEOG-2207(3), or permission of instructor.

**PREREQUISITES:** GEOG-2414(3) or GEOG-2415(3) or the former GEOG-2404(6).

**GEOG-4404(3) FIELD RESEARCH IN URBAN**

**GEOGRAPHY (S3)** This course investigates, examines and appraises the major varieties of primary and secondary materials available for the study of urban areas. Particular emphasis will be placed on the acquisition and evaluation of local material, and the course will therefore call for students to be engaged in field research. (This course alternates with GEOG-4403(3).)

**PREREQUISITES:** GEOG-2414(3) or GEOG-2415(3) or the former GEOG-2404(6).

**GEOG-4407(3) ADVANCED TOURISM AND RECREATION**

**GEOGRAPHY (S3)** This seminar course is based on a

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Topics include corporate social responsibility policies, public-private initiatives, community-based resource management, adaptive management, and social learning through public participation.

**PREREQUISITES:** Two of GEOG-2204(3), GEOG-2212(3), GEOG-3408(3), GEOG-3508(3), ENV-2603(3), or permission of the instructor.

# GERMAN-CANADIAN STUDIES (GCS)

Updated March 5, 2012

Note: The department/program codes HIST and GERM5 0 Tj 2.22425 0 Td ( )Tj 2.2

will examine both the effects of international events upon the German-speaking population and their place in the

Course description of the Department of a specific  
lectures seminar course all place of the University of Toronto (416) 978-2737 (T) (416) 978-2737 (F) (416) 978-2737 (S) (416) 978-2737 (Su)  
relate to the role of the University of Toronto in the development of the self-respect of the University of Toronto  
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# GERMAN STUDIES (GERM)

Updated March 5, 2012

**Note: The department/program code GERM replaces the former code 26. Students cannot hold credit in GERM-xxxx and the former 26.xxxx having the same course number (e.g., GERM-1201(6) and 26.1201(6)).**

**Chair of Modern Languages & Literatures: Linda Dietrick;** Associate Professor and Coordinator for German Studies: L. Dietrick;  
Assistant Professor: K. Lovrien-Meuwese.

## DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

## INTRODUCTION

The modern German language was born in the 16<sup>th</sup> century when two groups of dialects known as Frankish and Alemannic merged into a single language. As a result of the wide circulation of Martin Luther's German translation of the Bible (1534), the new language quickly grew in influence and prestige.

First taught as a language of culture, German was the mother tongue of many brilliant writers such as Goethe, Schiller, Kafka, Thomas Mann, Bertolt Brecht and Günter Grass and many well-known composers such as Bach, Mozart, Beethoven, Schumann, Wagner and Mahler. From the 18<sup>th</sup> century onwards, German has been at the forefront of intellectual inquiry, German-speaking intellectuals having

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 **GERM-2109(3)**

## COURSE DESCRIPTIONS

**GERM-1001(6) INTRODUCTORY GERMAN (Le3, La1)** This course is designed for students who have no previous knowledge of German and who wish to acquire a command of the written and spoken language. Its main aim is to provide a solid base in vocabulary, grammar, and pronunciation. Conversation and computer laboratories will supplement the course in order to give the student additional practice in the practical applications of the language.

**RESTRICTIONS:** Students who have AP German Language, the International Baccalaureate in German, or the International Baccalaureate in German, or who have received a year or more of their secondary school education in a German-speaking environment or who have standing in the former GERM-1201 may not receive credit for this course.

**GERM-2001(6) INTERMEDIATE GERMAN (Le3, La1)** The aim of this course is to enable students to increase their proficiency in the following skills: writing, reading, aural comprehension, and oral expression. Class time is devoted to the systematic review of grammar essentials, discussion of short literary texts and non-fiction on topics of current interest, written compositions and practice in the spoken language. Additional practice is undertaken during a one-hour session of small-group work each week.

**PREREQUISITES:** GERM-1001 or GERM-1201

**RESTRICTIONS:** Students who have AP German Language, the International Baccalaureate in German, or the International Baccalaureate in German, or who have received a year or more of their secondary school education in a German-speaking environment may not receive credit for this course.



**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 July 11, 2012

**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 and 291010). ~~For a complete list of course numbers, see the current catalog.~~

## REQUIREMENTS FOR A 4-YEAR BA IN HISTORY

|                                   |   |
|-----------------------------------|---|
| <b>ADMISSION REQUIREMENT</b>      | Students must have minimum 30 credit hours completed previously.  |
| <b>GRADUATION REQUIREMENT</b>     | 120 credit hours  |
| <b>RESIDENCE REQUIREMENT</b>      |   |
| Degree:                           | Minimum 60 credit hours   |
| Major:                            | Minimum 30 credit hours   |
| <b>GENERAL DEGREE REQUIREMENT</b> |   |
| Humanities:                       | 12 credit hours   |
| 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.  |
| <b>MAJOR REQUIREMENT</b>          |   |
| 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.   |
| Cognates:                         | Minimum of 18 credit hours/Maximum of 36 credit hours ancillary courses.  |
|                                   | Maximum total of cognate courses 25.0 (a) 4.44849 0 Td (s) 4.02769 0 Td ( ) 2.224u  |
|                                   | 1 credit hours in f r adust r   |

# REQUIREMENTS FOR AN HONOURS BA IN HISTORY

## 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 2.5 (C+) in Non-Honours Subject courses.

The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.

The minimum 2.5 GPA (C+) in all Non-Honours Subject 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 4000 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

The Department of History has organized its courses into **areas of specialization**. These divisions are provided as guidelines to the Areas of Study available for concentration. Areas of Study are identified by the second digit in the course number as follows:

0 Introductory

1 World History

2 Pre-Industrial Europe

3 Modern Europe

HIST/CLAS- Topics in Ancient History  
 3006(3)  
 HIST-3101(6) History of the Ottoman Empire  
 HIST/MENN- Gender and Mennonites  
 3108(3)  
 HIST/MENN- Russia and the Mennonites  
 3110(3)  
 HIST/MENN- Conflict and Mennonites  
 3111(3)  
 HIST-3112(6) Militarism in the Modern World  
 HIST-3113(6) Personalities and Modern Revolution  
 HIST/MENN- Latin America and the Mennonites  
 3114(3)  
 HIST-3115(6) The History of Spanish American Political  
 Culture  
 HIST/MENN- Mennonites and World Issues  
 3116(3)  
 HIST-3117(6) Columbus to Castro, a History of Cuba 1492 -  
 Present  
 HIST-3118(3) South Asian Diaspora Since 1800  
 HIST-3119(3) Aboriginal Peoples and Christian Missions  
 HIST-3121(3) Women in the Modern World  
 HIST-3130(3) History of International Migration: The  
 German Experience  
 HIST/BUS- The Hudson's Bay Company and the Modern  
 3135(6) Department Store  
 HIST-3140(3)/ Alexander the Great  
 CLAS-3310(3)  
 HIST-3141(3)/ The Hellenistic World  
 CLAS-3311(3)  
 HIST-3208(3) Crusades and Crusaders in the Middle Ages  
 HIST-3209(3) Travel and Encounters in the Middle Ages  
 HIST/MENN- Fact, Fiction and Images: Interpreting  
 3212(3) Manitoba Mennonites  
 HIST-3216(3)/ Luther, Zwingli, and the Radical Reformers  
 MENN-3102(3)  
 HIST-3218(3) Topics in the Enlightenment  
 HIST-3220(3) Women in Medieval Europe, 800-1350  
 HIST-3221(3) Women in the Renaissance, 1350-1550  
 HIST-3222(3) Women in Early Modern Europe, 1550-1750  
 HIST-3223(3) Children and Childhood in Pre-Modern  
 Europe  
 HIST-3224(3) Crime and Conflict in Pre-Modern Europe  
 HIST-3225(3) Slaves, Serfs, and Servants in Pre-Modern  
 Europe  
 HIST-3314(6) Recent European History  
 HIST-3315(6) European Power Politics  
 HIST-3317(3) Topics in Russian and Soviet History  
 HIST-3320(3) Topics in Russian Intellectual History  
 HIST/ANTH- Material Culture in the History of the  
 3515(6) Aboriginal Peoples of Canada  
 HIST-3518(3)/ History of the Aboriginal Peoples of the  
 ANTH-3127(3) Northern Plains  
 HIST-3519(3) Aboriginal Peoples and Treaties  
 HIST-3525(3) History of the Métis in Canada  
 HIST-3526(3)/ Ethnohistoric Methods and Theory  
 4526(3)/ANTH-  
 3117(3)/4117(3)  
 HIST/ANTH- History of Eastern and Subarctic Algonquian  
 3528(3) Peoples  
 HIST-3532(3)/ History of the Iroquoian Peoples  
 ANTH-3128(3)  
 HIST-3540(6) Critical Issues in the History of Canadian  
 Politics, Nationalism, & International  
 Relations  
 HIST/MENN- Mennonites in Canada  
 3541(3)  
 HIST-3542(6) Gender, Class, and Ethnicity in Canadian  
 History  
 HIST-3544(6) History of W  
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**HIST-1010(6) SOCIAL AND POLITICAL IDEAS IN EUROPEAN HISTORY (Le3)** This section will survey the course of Western Civilization from ancient times to the present through an emphasis on ideas about social and political structures such as governing institutions, economic organizations, social divisions, religious beliefs, and relations between the sexes.

**HIST-1010(6) TOPICS IN WESTERN CANADIAN HISTORY (Le3)** This section of history will use the social history of western Canada as a vehicle.

**HIST-1010(6) WOMEN AND GENDER (Le3)** This course is directed primarily at first-year students with an interest in European history. It aims to provide an introduction to two significant historical themes - women and gender - in the sixteenth and seventeenth centuries. This section is designed to introduce students to the discipline of history through critical and analytical readings of primary and secondary sources, research, and writing.

**HIST-1010(6) MENNONITES AND THE MODERN WORLD (Le3)** This course is a history of the ethnic identity and religious faith of the Mennonites from the 16th century to the present. Students will interpret the writings of the Mennonites, including their letters, memoirs, and diaries. These sources will show how Mennonites related to such modern phenomena as Protestantism, nationalism, capitalism, feminism, and global culture. The course will trace the Mennonites as they migrated from Europe to North America and as they established themselves in Asia, South America, and Africa.

**CROSS-LISTED:** Mennonite Studies MENN-1010(6).

**HIST-1010(6) WORLD HISTORY (Le3)** This section surveys world history from approximately 1300 to the present. Topics include the Mongols, Ming China, Mughal India, Africa, and the Atlantic slave trade, the Industrial Revolution and political revolutions of the eighteenth and nineteenth century, culminating with the colonial and post-colonial periods in Africa and Asia. The emphasis throughout will be on an examination of world history processes through cultural contact and change.

**HIST-1010(6) CANADIAN HISTORY (Le3)** This section surveys the history of Canada from the early 17th century to the present. Topics include the early colonial period, the fur trade, the 19th century, and the 20th century. The emphasis throughout will be on an examination of Canadian history processes through cultural contact and change.



**HIST-2109(3) MENNONITE STUDIES II (Le3)** This course offers a survey of the immigration and resettlement of Mennonites in Russia and in North and South America. The course will include a study of the origins and distinctive characteristics of particular Mennonite groups and conclude with a brief survey of Mennonites around the world.

**RESTRICTIONS:** Students with standing in HIST-2109(3) may not receive credit for HIST-2109(3).

**CROSS-LISTED:** Mennonite Studies II, MENN-2102(3).

**HIST-2110(6) THE TWENTIETH-CENTURY WORLD (Le3)**

This course offers an historical approach to the characteristic problems, new or inherited, of the twentieth century, e.g., problems of industrialism; nationalism; balance of power; racial conflicts; imperial rivalries; origins, character, and results of World War I; totalitarian experiments; the Second World War; problems of the post-war period; the contemporary world-scene; the United Nations' difficulties and achievements.

**RESTRICTIONS:** Students with standing in HIST-2110(6) may not receive credit for HIST-2110(6).

**HIST-2112(6) WAR AS A SOCIAL INSTITUTION (Le3)** This

course offers a survey of the history of war as a social institution. The course will include a study of the origins and distinctive characteristics of war as a social institution and conclude with a brief survey of war around the world.

**HIST-2133(3) GLOBAL MIGRATION HISTORY (Le3)** This lecture course surveys the diversity of worldwide migrations in the modern period. Topics include exploration and conquest; merchants, mercenaries, and missionaries; slavery and unfree migration; imperialism, settlement and labour migrations, and refugees. Concepts discussed include international migration systems; transnational life, culture, and society; diaspora; voluntary and forced migration.

**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 world dominance, and the formation and legacy of cultural stereotypes on both sides.

**HIST-2211(3) EUROPE IN THE MIDDLE AGES 300-1350 (Le3)** This course is a survey of the political, social, and cultural history of Western Europe between the division of the Roman Empire and the end of the High Middle Ages. It studies the origins of peoples and the growth of institutions by which Western Europe has been shaped, and the cultural

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discussed include Lenin, Stalin, Khrushchev, Gorbachev,  
Solzhenitsyn, and Shostakovich.

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periods, and current directions in the study of ancient Greek and Roman history in greater detail than the history survey classes allow. The focus of study varies from year to year. Examples include Greek and Roman slavery, Perikles and the Athenian Empire, the myth of Alexander the Great, and comparative Greek and Roman historiography and biography. Emphasis is placed on the use of primary source material

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British Empire, and the changes brought about by decolonization. The course covers labour issues inc



**HIST-3519(3) ABORIGINAL PEOPLES AND TREATIES**  
(Le, S3) This course e



Progressive Arts Movement & conflicts with the state in the 1930s; Student and Women's movements in the 1960s; Nuclear Disarmament Campaigns; and the emergence of the social justice/anti-globalization movements.

**HIST-3552(6) REGIONALISM AND THE HISTORY OF THE CANADIAN WEST (Le, S3)** By examining the history of the Canadian West from 1870 to the present, this lecture-seminar course will explore the establishment and reproduction of a system of political economy which has created regional disparities in Canada. Consideration will be given to the process of capitalist development and the role of government policy in promoting and redressing disparities. Also, attention will be directed to the emergence of regionalism as an ideology. Where appropriate, comparisons will be drawn between the experiences of western Canada and those of other regions of the country, as well as with the American West.

**RESTRICTIONS:** Students with standing in the former HIST-3550(6) or HIST-3551(3) may not receive standing for HIST-3552(6).

**HIST-3561(3) GERMAN-CANADIAN IDENTITY - HISTORICAL PERSPECTIVES (Le, S3)** This lecture/seminar course will explore questions of ethnic identity, using the example of German Canadians. While students will develop their individual research projects related to the broader issue of ethnicity, class discussion will focus on the historical presence of German speakers in Canada, their settlement patterns, their relationship to political culture and the Canadian state, and perceptions and self-images of German Canadians. A knowledge of German is not required.

**RESTRICTIONS:** Students with standing in the former HIST-3560(6) may not receive credit for HIST-3561(3).

**HIST-3570(3 or 6) THE FAMILY IN CANADIAN HISTORY (Le, S3)** This course traces changes in Canadian family life and ideals over the nineteenth and twentieth centuries, considering the impact of economic, legal, and cultural change and the influence of state policy, consumer culture and immigration. It examines the changing nature of marriage, family economies, access to birth control, and ideals of parenting. It explores not only ideals of family life, but also the experience and treatment of those who deviated from these ideals. The course gives equal time to lectures and to class discussion and, as such, depends on the active and regular participation of students.

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**HIST-3821(3) TOPICS IN TWENTIETH-CENTURY**

**CANADIAN ART I (ISSUES) (Le, S3)** This is an advanced lecture/seminar course examining various areas in twentieth-century Canadian art in a global context. We will address issues such as the taxonomy of style - realism, abstract expressionism, minimalism; problems of value - dealers, galleries, craft, design and electronic imaging; and the politics of art - feminism, regionalism, First Nations, ethnicity, ordinary people, and government funding. This course will cover issues that affect the country as a whole, within the global context. Assignments will be focused on art historical writing and criticism.

**RESTRICTIONS:** Students with standing in ~~g~~mnns





objects, they display and produce culture. This course examines the collecting practices of Western museums, before and after the Enlightenment period, as well as the ideology behind collections. We investigate how museums developed along with the discipline of art history, and how both were dependent on nineteenth and twentieth century ideologies of nationalism and colonialism. Students study how artifacts and collections function in the construction of cultural and national identity. Collections from the Medieval, Renaissance and Modern periods may be studied, including European and North American museums and galleries.

**HIST-4831(6) PRACTICUM IN CURATORIAL STUDIES**

**(A6)** This course combines the theory and practice of curatorial work, public history and experiential learning for students interested in achieving a university credit by working with a local museum or art gallery. The Practicum provides opportunities to explore a range of placements with host institutions in order to learn about being a curator. Students are expected to work 6-8 hours a week in the host institution. Program partners will provide training for the interns who have chosen to work with them. Partnerships opportunities include, but are not limited to Winnipeg Art i

of human rights.





# HISTORY OF ART (HISA)

March 5, 2012

**HIST-3822(3)** Art I (Issues)  
 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-3826(3)** Art in Focus II  
**HIST-3829(3)** Modern Architecture and Design  
**HIST-3831(3)/REL-3712(3)** Islamic Art and Architecture  
**HIST-3840(3or6)** Seventeenth Century Art

**HIST-3841(3or6)** Arts of the Middle Ages  
**HIST-3842(3or6)** Italian Renaissance Art  
**HIST-3843(3or6)** Northern Renaissance Art  
**HIST-4801(6)** Special Topics in Art History  
**HIST-4802(6)** French Art and Culture around 1900  
**HIST-4815(6)** Art History and Exhibition Practice  
**HIST-4830(6)** The History of Museums and Collecting  
**HIST-4831(6)** Practicum in Curatorial Studies

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

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

Normally the requirements for the Major should be fulfilled with half of the History of Art courses at the 3000 level or above. Students must consult with a member of the Department in planning their curriculum.

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

Required courses:

**HIST-1010(6)** An Introduction to History (Art and Ideas or Art and History section recommended)  
**HIST-2800(6)** History of European Art  
 6 credit hours in History of Art at the 3000 level

## REQUIREMENTS FOR A 4-YEAR BA IN HISTORY OF ART

**ADMISSION REQUIREMENT** Students must consult with a member of the Department in planning their course of study. Students must have 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.  
 Double Major: Minimum 48 credit hours in each Major subject as specified by the department/program.  
 Cognates: Minimum of 18 credit hours/Maximum 36 credit hours ancillary courses.  
 Maximum total of cognate and major courses is 84 credit hours combined.

Required courses:

**HIST-1010(6)** Introduction to History (Art and Ideas or Art and History section recommended)  
**HIST-2800(6)** History of European Art  
**HIST-3001(6)** Practice and Philosophy of History

6 credit hours in History of Canadian Art at the 2000 level or above, from:

**HIST-2801(6)** History of Canadian Art  
**HIST-3805(6)** The Art of the Inuit  
**HIST-3807(6)** Topics in Twentieth Century Canadian Art  
**HIST-3821(3)** Topics in Twentieth-Century Canadian Art I (Issues)  
**HIST-3822(3)** Topics in Twentieth-Century Canadian Art II (Research Project)

24 credit hours from the following:

**History:**

**HIST-2801(6)** History of Canadian Art

**HIST-2802(3)/** Art in Non-Christian Religions

**REL-2901(3)**

**HIST-3807(6)** Topics in T9 0 114)Tj 2.22425 0 480344 0 Td 2.22425 0 480344 0 Td5Td (0)Tj 4.44849 0 Td (2)7

Required courses:

- HIST-1010(6)** Introduction to History (Art and Ideas or Art and History section recommended)
- HIST-2800(6)** History of European Art
- HIST-3001(6)** Practice and Philosophy of History

6 credit hours in History of Canadian Art at the 2000 level or above, from:

- HIST-2801(6)** History of Canadian Art
- HIST-3805(6)** The Art of the Inuit
- HIST-3807(6)** Topics in Twentieth Century Canadian Art
- HIST-3821(3)** Topics in Twentieth-Century Canadian Art I (Issues)
- HIST-3822(3)** Topics in Twentieth-Century Canadian Art II (Research Project)

30 credit hours in Art History at the 3000 and 4000 level including a minimum of 24 credit hours in Art History and/or History at the 4000 level that includes a minimum of 12 credit hours in Art History from the following:

- HIST-4800(6)** Honours Tutorial in Art History
- HIST-4801(6)** Special Topics in Art History
- HIST-4802(6)** French Art and Culture around 1900
- HIST-4815(6)** Art History and Exhibition Practice
- HIST-4830(6)** The History of Museums and Collecting
- HIST-4831(6)** Practicum in Curatorial Studies

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

- HIST-4800(6)** Honours Tutorial in Art History

**HIST-3001(6)** Practice and Philosophy of History  
Year 3: 12 credit hours at the 4000 level in Art History  
Year 4: 6 credit hours at the 4000 level in Art History and/or History

## GENERAL INFORMATION

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. Students may find the following courses of interest:

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

### Theatre and Film:

**THFM-4431(3)** Theatre Aesthetics

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

### Prerequisites

Students who are not History of Art Majors are welcome to select 1000-, 2000-, and 3000-level courses.

### Courses for Credit toward the Major in History

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

### 4000-Level Courses

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and its visual ways of expression might include: the major pilgrimages to Christian, Muslim, Hindu and Jewish sites, and the later pilgrimages to N e

the natural sciences, art collecting and the emergence of the art market.

**RESTRICTIONS:** Students with standing in HIST-3803(6) may not receive credit for HIST-3840(3).

**HIST-3841(3 or 6) ARTS OF THE MIDDLE AGES (Le3, SV)**

This lecture/seminar course is an introduction to the study of medieval art and architecture in Europe, from the demise of Late Antique traditions up to the Renaissance. In the context of a thematic survey, students are introduced to the terminology, methods, materials, subject matter and function of medieval art and architecture. Since the largest proportion of surviving materials is religious, this includes a firm grounding in the medieval Christian tradition and the nature of the prominent institutions of Church and State. Secular art is considered where possible or appropriate, and broader issues of material culture are explored.

**HIST-3842(3 or 6) ITALIAN RENAISSANCE**



HUMAN

**PHIL/POL-2200(6)**

Social and Political Philosophy

**SOC-2101(6)**

Social Inequality in the Era of Globalization

**SOC-3101(6)**

Globalization and Social Justice: a Sociological Approach

**Electives:**

Students must complete at a minimum an additional 6 credit hours, chosen from any one of the three streams noted below. Their major must also include a minimum of 6 credit hours at 1.5 5663 111 4.99976 re f q 8.33333 0 0 8.33333 0 0 cm BT /R15 7.98 Tf 0.9987i



and community settings, students will explore global issues through current news items, literature, and social analysis, with particular emphases shaped by research expertise in Global College. The course is structured to strengthen skills in critical thinking and analysis, writing, and oral presentations within a human rights framework, as a foundation for increasing student readiness and confidence in a range of post-secondary academic programs.

**HRGS-2101(6) Human Rights: Local to Global** This course introduces students to human rights theory and practice in a global context, explored from a range of disciplinary perspectives. Course themes may include: legal, moral, and philosophical accounts of human rights; major international and national human rights frameworks/policies; the international human rights movement; tension between sovereignty and human rights; cultural relativism vs. universalism; retrospective justice/reconciliation; human rights methodology/reporting; the role of courts, IGOs, NGOs, and civil society; civil-political vs. economic/social/cultural rights; the intersection of human rights discourses with gender, race, ethnicity, technology, health, indigeneity, foreign policy, militarism, security, labour, and globalization.

**HRGS-2310(3) Needs of Refugees and War-Affected Populations** Drawing from a variety of disciplines and professions, this course examines the challenges that people encounter in rebuilding their lives after forced displacement. While considering experiences of forced migration around the world, the course focuses primarily on the experiences of war-affected populations in Canada related to social integration, employment, and public services.

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disease. The method of teaching may include seminars and film. The course may be repeated for credit if the topic varies. Contact the Institute for Human Rights and Global Studies, Global College for more information.

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a.466d ( )Tj/R1849 0 Td ( )Tj 2.28436 0 Td (i)Tj 1.80425 0 Td (u)Tj 4.44907 0 Td (r)Tj 2.64505 0 Td (e)Tj 4.4



# INDIGENOUS STUDIES (IS)

Updated March 29, 2012

**Note: The department/program code IS replaces the former codes AG & 80. Students cannot hold credit in ~~AG & 80~~ (t) 2.70516 0 Td ( )Tj 2.22**

Students may not count the sa



**English\***

- ENGL-2722(6)** Postcolonial Literatures: an Introduction  
**ENGL-3717(6)** Aboriginal Literatures  
**ENGL/IS-3723(3)** Topics in Indigenous Texts and Cultures  
(experimental)

**Environmental Studies**

- ENV-1991 (6)** Environment: Western and Indigenous  
Perspectives (experimental)  
**ENV-2991 (6)** Impact Assessment and Indigenous Peoples  
(experimental)  
**ENV-2992 (3)** Indigenous Ecological Law and Policy  
(experimental)

**History\***

- HIST-1010(6)** Aboriginal Peoples of the Americas  
**HIST-2509(6)** History of the Aboriginal Peoples of Canada  
**HIST-2510(3)** Aboriginal Peoples in Canada to 1815  
**HIST-2511(3)** Aboriginal Peoples in Canada since 1815  
**HIST-2525 (3)** Eyewitnesses to Canadian History  
(experimental)  
**HIST-3119(3)** Aboriginal Peoples and Christian Missions  
**HIST-3145(3)** C



**REQUIREMENTS FOR**



Red River College Aboriginal Self-Government Administration Diploma Graduates are not entitled to obtain credit towards an IS major in the following University of Winnipeg courses:

|              |   |
|--------------|---|
| IS-1015(6)   | Introduction to Indigenous Studies      |
| POL-1011(6)  | Introduction to Politics                |
| POL-3411(3)  | Aboriginal People & the Law I           |
| POL-3415(3)  | Aboriginal People & the Law II          |
| HIST-2509(6) | History of the Native Peoples of Canada |

## COURSE DESCRIPTIONS

### **IS-1015(6) INTRODUCTION TO INDIGENOUS STUDIES**

**(Le3)** This course provides a background on the development of the field of indigenous studies. It is a survey consisting of three primary themes: the diversity of Indigenous cultures; historic and contemporary interactions between the nation-states and indigenous peoples; and representations of Indigenous peoples in literature and other artistic forms. The course explores varied meanings and definitions of indigenism in the milieu of the personal, social, political, legal, academic, and economic. Identity, power, ownership of knowledge, and tensions surrounding authenticity all serve to complicate this topic. While the topic is global, there is a particular focus on Canada.☺

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**IS-3901(3 or 6) DIRECTED READINGS (D3 or 6)** In this course, readings and assignments in the area of Indigenous Studies are arranged between an individual student and the instructor. Topics may not duplicate regular course offerings in Indigenous Studies or other departments. This course is an opportunity to explore a specialized topic in the interdisciplinary context of the field. Examples of potential topics: comparing Canadian and New Ze



# INTERNATIONAL DEVELOPMENT STUDIES (IDS)

(OFFERED IN COOPERATION WITH MENNO SIMONS COLLEGE)

Updated July 12, 2012

**Note:** The department/program code IDS replaces the former code 60. Students cannot hold credit in IDS-xxxx and the former 60.xxxx having the same course number (e.g., IDS-1100(6) and 60.1100(6)).

**Coordinator:** Associate Professor: R. Rempel; Professor: J. Buckland; Assistant Professors: K. Patel, J. Sears, R. Vander Zaag.

## DEGREES/PROGRAMS OFFERED

3-Year BA

4-Year BA

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**MAJOR REQUIREMENT**

**Single Major:**

Minimum 36 credit hours from International Development Studies (IDS); Core Courses (18 credit hours) and IDS Area Courses (18 credit hours).  
Maximum 48 credit hours from IDS Core Courses.

**Double Major:**

Minimum 36 credit hours from International Development Studies (IDS); Core Courses (18 credit hours) and IDS Area Courses (18 credit hours). Maximum 48 credit hours from IDS Core Courses. Students must also meet the specified number of credit hours from the other major (may vary since some courses can be credited to both majors).

Students are required to take 36 credit hours in IDS, selected as follows:

A minimum of 18 credit hours from the following courses: IDS 101, IDS 102, IDS 103, IDS 104, IDS 105, IDS 106, IDS 107, IDS 108, IDS 109, IDS 110, IDS 111, IDS 112, IDS 113, IDS 114, IDS 115, IDS 116, IDS 117, IDS 118, IDS 119, IDS 120, IDS 121, IDS 122, IDS 123, IDS 124, IDS 125, IDS 126, IDS 127, IDS 128, IDS 129, IDS 130, IDS 131, IDS 132, IDS 133, IDS 134, IDS 135, IDS 136, IDS 137, IDS 138, IDS 139, IDS 140, IDS 141, IDS 142, IDS 143, IDS 144, IDS 145, IDS 146, IDS 147, IDS 148, IDS 149, IDS 150, IDS 151, IDS 152, IDS 153, IDS 154, IDS 155, IDS 156, IDS 157, IDS 158, IDS 159, IDS 160, IDS 161, IDS 162, IDS 163, IDS 164, IDS 165, IDS 166, IDS 167, IDS 168, IDS 169, IDS 170, IDS 171, IDS 172, IDS 173, IDS 174, IDS 175, IDS 176, IDS 177, IDS 178, IDS 179, IDS 180, IDS 181, IDS 182, IDS 183, IDS 184, IDS 185, IDS 186, IDS 187, IDS 188, IDS 189, IDS 190, IDS 191, IDS 192, IDS 193, IDS 194, IDS 195, IDS 196, IDS 197, IDS 198, IDS 199, IDS 200.

must also meet the specified number of credit hours from the other major (may vary since some courses can be credited to both majors).

As IDS is an interdisciplinary major, the normal disciplinary four-year maximum of 66 credit hours is extended to permit students to take the maximum from the IDS Core Courses (60 credit hours) plus the minimum from the IDS Area Courses (24 credit hours). IDS Area Courses beyond 24 credit hours can be used to meet cognate requirements or as electives for graduation requirements.

Cognate: Minimum 18 credit hours/maximum 36 credit hours with a minimum 9 credit hours/maximum 15 credit hours from designated applied research or skills-related courses, plus a minimum 3 credit 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).



Maximum 78 credit hours from IDS Core and Area Courses. Single Honours students are required to take a minimum of 30 credit hours from H0000-00000. See the Handbook for more information. See the Handbook for more information.



IDS-4100(3) Senior Seminar in International  
Development Studies\*

IDS-4110(6) Development Th

SOC-4116(3) Seminar in Quantitative Research Methods\*  
 SOC-4126(3) Seminar in Qualitative Research Methods\*  
 STAT-1201(6) Introduction to Statistical Analysis  
 UIC-2001(3)/IS-2301(3) Community Development Management and Financial Administration for Community Leadership\*

UIC/WGS-3020(3) Women and the Inner City  
 UIC-3030/GEOG-3432(3) Urban and Community Planning\*  
 UIC-3050(3) Immigration and the Inner City  
 WGS-2416(3) Sex, Gender, Space and Place\*  
 WGS-3200(6) Feminist Research Methodologies Seminar\*

## 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 development by considering issues such as industrialization and agricultural development.  
**RESTRICTIONS:** Students may not hold credit in both this course and the former MSC-2201(6).

**IDS-2110(3) PARTICIPATORY LOCAL DEVELOPMENT (Le3)** This course focuses on the participatory, local-level development models pursued by a range of community-based, non-governmental and public agencies as alternatives to national models focused on economic growth and global competitiveness. It examines the nature of chronic poverty and reviews historic efforts at community development, community economic development and cooperative formation. It analyzes current emphases on participation and empowerment, gender equity, social capital, sustainable livelihoods, social justice and local governance. Students will examine these issues in the context of sectoral programs in micro-finance, community-based social services, agricultural development, community-based natural resource management and organizational capacity building.

UIC-3030/GEOG-3432(3) Urban and Community Planning\*  
 UIC-3050(3) Immigration and the Inner City  
 WGS-2416(3) Sex, Gender, Space and Place\*  
 WGS-3200(6) Feminist Research Methodologies Seminar\*

**PREREQUISITES:** IDS-1100(6) or permission of instructor.

**IDS-2184(3) ASIA/PACIF**



economics) and critical literature (e.g. neo-Marxist, social movement theory). Particular theories come from community economic development; institutional economics; cooperation and cooperative theories; social economy; and natural resource management. Particular strategies include micro-financial services, asset building, micro-enterprise development, social enterprise, cooperative development, and community-based natural resource management. This course builds on theories of community development,

participation, and social capital.

**PREREQUISITES:** 103660 Td (E) 4.68899 14.02769 0 Td (e) TjD.967617710200000000000005.350200000000-4.44849 0 Td (a) Tj22.22425 0 Td ( ) Tj12.22425 0 Td ( ) Tj12.22425 0 Td ( )



Development Studies are arranged between an individual student and instructor.

**PREREQUISITES:** IDS-2110(3), (or the former IDS-3110(3)), IDS-3101(3), IDS-3111(3), and permission of the instructor.

**IDS-4910(3) CONFLICT AND CONSTRUCTION OF THE OTHER (S3)** This seminar addresses a central question raised in post-colonial theory about the way humans construct and maintain an understanding of the Other. We ask the question, "Have scholars found the idea of the Other useful as a synthesizing concept?" This problem-based, interdisciplinary seminar considers particular sites of struggle in cultural, social, and individual contexts. Finally, we ask about the implications of this inquiry for our cultural, social, and individual circumstances.

**PREREQUISITES:** CRS-1200(6), CRS-2210(3) and CRS-3220(3) or IDS-1100(6), IDS-2110(3) (or the former IDS-3110(3)) and IDS-3111(3), or permission of instructor.

**CROSS-LISTED:** Conflict Resolution Studies CRS-4910(3).

**IDS-4920(3) PROGRAM PLANNING IN DEVELOPMENT AND CONFLICT RESOLUTION (Le2, S1)**

Program planning is a critical first step in most interventions by development and conflict resolution organizations. This course covers blueprint planning required for preparation of funding proposals and various forms of strategic and participatory planning required for the application of results-based management and learning approaches during program implementation. Current debates regarding

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# ITALIAN STUDIES (ITAL)

March 5, 2012

**Note: The department/program code ITAL replace the former code 21. Students cannot hold credit in ITAL-xxxx and the former 21.xxxx having the same course number (e.g., ITAL-1001(6**



## **KINESIOLOGY MAJOR - General**

Required Courses:

- KIN-1101(3)** Introduction to Kinesiology
- KIN-2200(3)** Issues in Sport **or** **KIN-2305(3)** Issues in Health
- KIN-2304(3)** Scientific Principles of Fitness and Conditioning

9 credit hours from:

- KIN-2202(3)** Prevention and Care of Sport Injuries
- KIN-2204(3)** Introduction to Human Physiology **or**
- BIOL-1112(6)** Human Anatomy and Physiology
- KIN-2301(3)** Human Anatomy
- KIN-2501(3)** Nutrition for Health and Wellness
- KIN-3106(3)** Exercise Physiology
- KIN-3201(3)** Biomechanics

6 credit hours from:

- KIN-2207(3)** Physical Growth and Motor Development
- KIN-3103(3)** Adapted Physical Activity
- KIN-3208(3)** Physical Activity and Aging
- KIN-4207(3)** Motor Learning and Control

3 credit hours from:

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

Choose 21 additional credit hours from any course offerings in Kinesiology and Applied Health, for a total of 48 credit hours.

## **Bed TEACHING MAJOR AND MINORS IN KINESIOLOGY**

### **KINESIOLOGY MAJOR - Teaching Stream**

Required courses:

- KIN-2202(3)** Prevention and Care of Injuries
- KIN-2301(3)** Human Anatomy
- KIN-2308.4484910 Td (e)Tj 4.50861 0 Td (s)Tj 4.02769 0 Td4..64505 0 Td (2)Tj 4.44Tj 4.44849 0 Td (j)Tj 1.80344 0 Td (u)Tj 2.645**



Research Design and Methods Requirement

Choose 3 credit hours from:

- |                       |   |
|-----------------------|---|
| <b>PSYC-2102(3)**</b> | Introduction to Research Methods (prereq. PSYC-1000(6), PSYC-2101(3))   |
| <b>SOC-2126(3)**</b>  | Introduction to Research Design and Qualitative Research<br>(prereq. SOC-1101(6) or permission of department chair) |
| <b>IDS-3920(3)**</b>  | Action Research Methods (prereq. IDS-1100(6) or CRS-1200(6) or permission)  |
| <b>CJ-2101(3)**</b>   | Research Method in Criminal Justice (prere. CJS-1101(6))  |





STAT-1201(6) Introduction to Statistical Analysis  
STAT-1501(3) Elementary Biological Statistics I

Research Design and Methods Requirement

Choose 3 credit hours from the following courses:

|                    |   |
|--------------------|---|
| <b>KIN-2304(3)</b> | Scientific Principles of Fitness and Conditioning     |
| <b>KIN-2500(3)</b> | Practicum I- AT: Field/Clinical                       |
| <b>KIN-2501(3)</b> | Nutrition for Health and Wellness                     |
| <b>KIN-2503(3)</b> | Athletic Taping & Splinting Techniques                |
| <b>KIN-3106(3)</b> | Exercise Physiology                                   |
| <b>KIN-3107(3)</b> | Therapeutic Modalities in Sport Medicine              |
| <b>KIN-3201(3)</b> | Biomechanics  |
| <b>KIN-3304(3)</b> | Advanced Resistance Training                          |
| <b>KIN-3500(6)</b> | Practicum II- AT: Field                               |
| <b>KIN-3501(3)</b> | Assessment of Upper and Lower Body Sport Injuries     |
| <b>KIN-3502(3)</b> | Rehabilitation of Upper and Lower Body Sport Injuries |
| <b>KIN-3503(3)</b> | Massage Techniques in Sport                           |
| <b>KIN-3504(3)</b> | Sport First Responder                                 |
| <b>KIN-3505(3)</b> | Pathology in Sport Medicine                           |
| <b>KIN-4301(3)</b> | Applied Anatomy                                       |
| <b>KIN-4500(6)</b> | Practicum III - AT: Clinical                          |
| <b>KIN-4501(3)</b> | Sports Injuries of the Spine                          |
| <b>KIN-4502(3)</b> | Drugs and Ergogenic Aids in Sport                     |

Additional Kinesiology electives:

At least one of:

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

At least one of:

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

The Canadian Athletic Therapists Association (CATA) requires all athletic therapy certification candidates to have completed 1200 hours of internship. The three Practicum courses (KIN-2500(3), KIN-3500(6), KIN-4500(6)) will account for approximately 600 internship hours.

Statistics Requirement

Choose at least 3 credit hours from:

|                     |   |
|---------------------|---|
| <b>PSYC-2101(3)</b> | Intro to Data Analysis (prereq. PSYC-1000(6)) |
| <b>STAT-1201(6)</b> | Introduction to Statistical Analysis          |
| <b>STAT-1501(3)</b> | Elementary Biological Statistics I            |

Research Design and Methods Requirement

Choose at least 3 credit hours from:

|                     |  |
|---------------------|--|
| <b>PSYC-2102(3)</b> | Introduction to Research Methods (prereq. PSYC-2101(3) or STAT-1501(3))  |
| <b>SOC-2126(3)</b>  | Introduction to Research Design and Qualitative Research (prereq. SOC-1101(6) or permission of department chair) |

## REQUIREMENTS FOR THE 4-YEAR BSc IN KINESIOLOGY

KIN-2207(3) Physical Growth and Motor Development  
 KIN-2301(3) Human Anatomy  
 KIN-2302(3) Teaching Individual Physical Activity  
 KIN-2303(3) Teaching Team Physical Activities  
 KIN-2304(3) Scientific Principles of Fitness & Conditioning  
 KIN-2305(3) Issues in Health  
 KIN-2400(3) Teaching Games for Understanding  
 KIN-2500(3) Practicum I: Field/Clinical  
 KIN-2501(3) Nutrition for Health and Wellness  
 KIN-2503(3) Athletic Taping and Splinting Techniques  
 KIN-3103(3) Adapted Physical Activity  
 KIN-3105(3) Psychological Skills In Sport and Life  
 KIN-3106(3) Exercise Physiology  
 KIN-3107(3) Therapeutic Modalities in Sport Medicine  
 KIN-3201(3) Biomechanics  
 KIN-3206(3) Directed Studies  
 KIN-3208(3) Physical Activity and Aging  
 KIN-3304(3) Advanced Resistance Training  
 KIN-3305(3) Physical Activity: Promotion and Adherence  
 KIN-3500(6) Practicum II: Field  
 KIN-3501(3) Assessment of Upper and Lower Limb Sport Injuries  
 KIN-3502(3) Rehabilitation of Upper And

Lower Limb Sport Injuries  
 KIN-3503(3) Massage Techniques in Sport  
 KIN-3504(3) Sport First Responder  
 KIN-3505(3) Pathology in Sport Medicine  
 KIN-4104(3) Sport Ethics  
 KIN-4200(3) Advanced Seminar in Coaching System  
 KIN-4201(3) Ergonomics of the Musculoskeletal System  
 KIN-4206(3) Directed Studies  
 KIN-4207(3) Motor Learning and Control  
 KIN-4301(3) Applied Human Anatomy  
 KIN-4500(6) Practicum III: Clinical  
 KIN-4501(3) Sports Injuries of the Spine  
 KIN-4502(3) Drugs and Ergogenic Aids in Sport

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focuses on the inter-relationships of skills and knowledge in the areas of recreation, education and the environment. Field trips and other outdoor experiences will be an important aspect of the course.

**KIN-2105(3) SPORT PSYCHOLOGY (Le3)** This course examines the latest research and practice in sport psychology. The psychological effects and contributing factors related to each issue/topic are examined to determine the implications for those involved in sport and related roles and fields. This course also explores the needs of individual participants and the nature of group processes, as well as issues relating to the enhancement of performance, health and well-being.

**KIN-2108(3) COACHING AND TEACHING VOLLEYBALL II (Le3)** This course focuses on the coaching and teaching of volleyball team offensive and defensive skills. Game strategies and practice preparation will also be examined. Students will be given the opportunity to participate in peer teaching and coaching. This course will meet the knowledge requirements of the National Coaching Certification Program.  
**PREREQUISITES:** KIN-1108(3) or permission of instructor.

**KIN-2200(3) ISSUES IN SPORT (Le3)** This course focuses on political, ethical, social and cultural issues related to sport organization, implementation, or participation. Students are challenged to assess current issues such as fair play, drug abuse, human rights, etc. and develop proposals to include participation, citizenship, and engagement.



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rehabilitation in clinical settings. This practicum provides approximately 250 internship hours toward certification by the Can



# INTERDISCIPLINARY LINGUISTICS (LING)



First-Year Course:

The Introduction to Linguistics course **LING-1001(6)** should be taken in the first year if possible. This course introduces and prepares students for 2000-level linguistics courses.

Upper-Level Courses:

Students in the Interdisciplinary Linguistics Program, are encouraged to take 2000 and 2100-level courses in their second year of studies, 3000 and 3100 and 3200-level courses in their third year, and 4000, 4100 and 4200-level courses in their fourth year. For courses on List A, the numbers and their order are significant. If the second digit from the left is a 0, the course focuses primarily on language structure (e.g. 2001); if the second digit from the left is a 1, the course examines the use of language in the context of culture (e.g. 2101); if the second digit from the left is a 2, the course is a special studies or apprenticeship course, with a unique focus determined each year by the instructor (e.g. 3201 or 4201); if the second digit from the left is a 3, the course is delivered in French; if the second digit from the left is 4, the course is delivered in German or Spanish

Students registering in second-, and third-year-level courses may wish to consult with the course Instructor. All students registering in fourth-year/honours-level courses and/or declaring their major in Linguistics must have written approval from the Coordinator to register. Students who wish to take fourth-year/honours-level courses must have an overall GPA of at least 3.0 in the Linguistics courses that they have completed. In addition, they require written permission from the Program Coordinator or his designate to register.

**Additional Information:**

Students must consult with the Program Coordinator in planning their curriculum and completing the required Permission forms **at each registration**. A minimum 3.0 GPA in 4000, 4100 and 4200-level courses is required; students lacking the requisite 3.0 GPA must consult the Program Coordinator regarding eligibility/permission.

## REQUIREMENTS FOR AN HONOURS BA IN INTERDISCIPLINARY LINGUISTICS

**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 2.5 (C+) in Non-Honours Subject courses.

The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.

The minimum 2.5 GPA (C+) in all Non-Honours Subject 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).

**GRADUATION REQUIREMENT**

120 credit hours <sup>s</sup> s srR srRrRrR sr sRRrR sdr

Double Honours: Minimum 36 credit hours in each Honours Subject  
Minimum 30 credit hours in courses from List A and 6 credit hours in courses from LIST B

Cognates Minimum of 18 credits hours/Maximum of 36 credit hours in cognate courses.

Required Courses: Introduction to Linguistics LING-1001(6)  
6 credit hours from LING-2000 series  
6 credit hours from LING-2100 series  
9 credit hours from LING-3000, 3100, 3200, 3300, 3400 series  
9 credit hours from LING 4000, 4100 or 4200 series

First-Year Course:

The Introduction to Linguistics course **LING-1001(6)** should be taken in the first year if possible. This course introduces and prepares students for 2000-level linguistics courses.

Upper-Level Courses:

Students in the Interdisciplinary Linguistics Program, are encouraged to take 2000 and 2100-level courses in their second year of studies, 3000 and 3100 and 3200-level courses in their third year, and 4000, 4100 and 4200-level courses in their fourth year. For courses on List A, the numbers and their order are significant. If the second digit from the left is a 0, the course focuses primarily on language structure (e.g. 2001); if the second digit from the left is a 1, the course examines the use of language in the context of culture (e.g. 2101); if the second digit from the left is a 2, the course is a special studies or apprenticeship course, with a unique focus determined each year by the instructor (e.g. 3201 or 4201); if the second digit from the left is a 3, the course is delivered in French; if the second digit from the left is 4, the course is delivered in German or Spanish.

Students registering in second-, and third-year-level courses may wish to consult with the course Instructor. All students registering in fourth-year/honours-level courses and/or declaring their major in Linguistics must have written approval from the Coordinator to register. Students who wish to take fourth-year/honours-level courses must have an overall GPA of at least 3.0 in the Linguistics courses that they have completed. In addition, they require written permission from the Program Coordinator or his designate to register.

**Additional Information:**

Honours Students must consult with the Program Coordinator or designate in planning their curriculum and completing the required Permission forms **at each registration**. A minimum 3.0 GPA in Honours subject courses is required; students lacking the requisite 3.0 GPA must consult the Program Coordinator or designate regarding eligibility/permission to take 4000, 4100 and 4200-level courses.

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**LING-2002(3) MORPHOLOGY (Le3)** This course introduces students to the concepts and methods of word analysis. Students investigate the nature of morphemes (smallest 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.

**RESTRICTIONS:** This course may not be taken for credit by students who have completed LING 4849 or LING 4878.

**LING-3001(3)/(6) TEXTUAL ANALYSIS (Le3)** This course examines the principles and methods of textu

**LING-4001(3) HISTORY OF LINGUISTICS (S3)** In this course students explore the history of linguistics from Panini, Plato, and Aristotle before the common era, through the centuries until the nineteen sixties. Theorists considered may include Thrax, Priscian, Sweet, Jespersen, Humboldt, Malinowski, Bloomfield, Sapir, and Saussure.

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**LING-4203(3) TUTORIAL APPRENTICESHIP (D)** This course provides opportunities for experiencing and exploring learning and teaching strategies in designated university linguistics and culture courses. Students may assist by 1) offering individual support and instruction for students facing challenges with course material, 2) leading groups of advanced or remedial students within the class when appropriate, and 3) designing class materials including exercises and answer keys. Students meet regularly with the supervising professor in order to discuss and evaluate teaching strategies and materials.

**PREREQUISITES:** Permission of the Program Coordinator and the Instructor. Students registering in courses at the 4000, 4100 or 4200-level must have a GPA of at least 3.0 in Linguistics.

**LING-4204(3) RESEARCH APPRENTICESHIP (D)** In this course students reflect on how resea

# MATHEMATICS (MATH)

Updated March 6, 2012

**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)).**

**Co-Chairs:** O.R. Oellermann, T. Visentin

Students who have not obtained a grade of at least C in **MA**

## **REQUIREMENTS FOR THE 4-YEAR BSc IN MATHEMATICS WITH A BUSINESS STREAM**

Students must complete the requirements of the 4-year BSc in Mathematics degree (see previous section) and the set of core courses indicated in the "Science with a Business Stream" section of the Calendar.

### **REQUIREMENTS FOR AN HONOURS BSc IN MATHEMATICS**

|  |   |
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| <b>ADMISSION REQUIREMENT</b>   | 60 credit hours previously completed in a BA or BSc of which at least 21 credit hours are in Mathematics. Students must consult with the Department Chair/Honours Advisor in planning their program.  |
| <b>GRADUATION REQUIREMENT</b><br>Graduation GPA Requirement:   | 120 credit hours<br>To graduate with a BSc Honours, students must have a minimum GPA of 3.0 in all Honours subject courses which will be calculated on all course attempts and a 2.75 GPA in all Non-Honours 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).   |
| <b>RESIDENCE REQUIREMENT</b>   | Minimum 60 credit hours.<br>Minimum 30 credit hours, including minimum 18 credit hours in upper level courses 3000/4000) of which a minimum of 9 credit hours are at the 4000 level.  |
| <b>GENERAL DEGREE REQUIREMENT</b><br>Humanities:<br>Writing:<br>Maximum Introductory Courses:<br><br>Distribution: | 12 credit hours<br>Minimum 3 credit hours of Academic Writing.<br>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.<br>Minimum three (3) credit hours from each of five (5) different subjects.   |
| <b>HONOURS SUBJECT REQUIREMENT</b><br>Single Honours:  | Minimum 66 credit hours/Maximum 72 credit hours in the Honours subject.<br>Minimum 30 credit hours in upper-level courses (3000/4000) of which a minimum of 12 credit hours must be at the 4000 level not including MATH-4402(3) and not including courses that are cross-listed with Statistics (e.g., STAT-100, STAT-101, STAT-102, STAT-103, STAT-104, STAT-105, STAT-106, STAT-107, STAT-108, STAT-109, STAT-110, STAT-111, STAT-112, STAT-113, STAT-114, STAT-115, STAT-116, STAT-117, STAT-118, STAT-119, STAT-120, STAT-121, STAT-122, STAT-123, STAT-124, STAT-125, STAT-126, STAT-127, STAT-128, STAT-129, STAT-130, STAT-131, STAT-132, STAT-133, STAT-134, STAT-135, STAT-136, STAT-137, STAT-138, STAT-139, STAT-140, STAT-141, STAT-142, STAT-143, STAT-144, STAT-145, STAT-146, STAT-147, STAT-148, STAT-149, STAT-150, STAT-151, STAT-152, STAT-153, STAT-154, STAT-155, STAT-156, STAT-157, STAT-158, STAT-159, STAT-160, STAT-161, STAT-162, STAT-163, 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**NOTE:** This course may NOT be used to ful

**RESTRICTIONS:** A student may not receive credit for this course and the former MATH-3401(3).

MATH-3412(3) IN 2.22425 0 Td ( )Tj 4.44849 0 Td (1)Tj 4.44849 0 Td (2)Tj 3f.Tj 2.64505 0 Td ( )Tj 2.22425 0 Td 44849 0 Td ( )Tj 2.64505 0 Td ( )Tj 2



2022(3)), MATH-2203(3) (formerly MATH-2221(3)), the former MATH-2201(6), or MATH-2501(3).

**RESTRICTIONS:** A student may not receive credit for this course and the former MATH-3402(3), the former MATH-3601(3), or the former MATH-2402(6).

**MATH-4601(3) INTRODUCTION TO TOPOLOGY AND ANALYSIS (Le3)**

In this course the basic concepts of topology are studied in the setting of metric spaces: open sets, convergence, continuity, connectedness, compactness, and completeness. The emphasis will be on Euclidean spaces, normed linear spaces, and function spaces, where the concepts of topology apply to mathematical analysis. Connections with and applications to analysis will be emphasized throughout, such as the monotone convergence theorem, the intermediate value property, the Heine-Borel property, Baire category, uniform boundedness, and the fixed-point property for complete metric spaces.

**PREREQUISITES:** MATH-3101(6).

**RESTRICTIONS:** A student may not receive credit for this course and the former MATH-3232(3) or MATH-3601(3).

**MATH-4602(3) REAL ANALYSIS (Le3)** Topics covered in this course will include normed linear spaces, Banach spaces and  $L_p$  spaces, Lebesgue measure and integration. This course will also cover classical results such as the Stone-Weierstrass theorem and the Ascoli Theorem.

**COREQUISITE:**

# MENNONITE STUDIES (MENN)

Updated March 6, 2012

**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;** Associate 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 modern society, including 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.

A major in Mennonite Studies, leading to a Bachelor's Degree, can be taken after consultation with the Chair in Mennonite Studies. Majors will take a variety of courses, including Mennonites Studies I and II, History of Peace and Nonviolence I and II, and a selection of more specialized 3<sup>rd</sup> year courses. Courses from other Departments can be counted towards the degree as electives if they contain significant research assignments on Mennonite issues.

Students will find courses in Mennonite Studies an inspiring and informative addition to a liberal arts education. A Major in Mennonites Studies, or courses in Mennonite Studies, will be relevant to students interested in Anabaptist origins, Mennonite migrations through Europe, and today's global Mennonite community. A Mennonite Studies program will also prepare students to work in the fields that focus on conflict resolution, multicultural understanding, and spiritual discipline. Such a program of study will be relevant to students intending to write MA and PhD theses dealing with Anabaptist-Mennonite subjects. Mennonite Studies courses will also prepare students to work in such fields of journalism, law, education, counselling, and public policy analysis. Students may also choose some ari

**MENN-2101(3) MENNONITE STUDIES I (Le3)** This course is a survey of the origins and history of the Anabaptists in Switzerland, the Netherlands, Germany, Prussia and Russia. Attention will be given to the interaction of religion and culture in the history of European Mennonites.

**CROSS-LISTED:** History HIST-2108(3), and accepted for credit by Religious Studies.

**MENN-2102(3) MENNONITE STUDIES II (Le3)** This course is a survey of the immigration and resettlement of Mennonites in Russia and in North and South America. The course will include a study of the origins and distinctive characteristics of particular Menn

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**PREREQUISITES:** IDS-1100(6) or the permission of instructor.  
**CROSS-LISTED:** International Development Studies IDS-3150(3).

**MENN-3202(3) THE MENNONITE IMAGE IN WORLD LITERATURE (Le3)** This course deals with selected German and non-German authors who have treated the Mennonites as a major theme in their fiction. The following authors, among others, will be studied: H.J.C. von Grimmelshausen, Gottfried Keller, Theodor Fontane, Cæsar von Arx, Friedrich Dürrenmatt, and Sandra Birdsell.

**HIST-3212(3) FACT, FICTION AND IMAGES: INTERPRETING MANITOBA MENNONITES (Le3)** This course introduces the student to a wide variety of historic Manitoba Mennonite writers. It includes authors of personal writings, authors or historic works from a variety of disciplines, and authors of poetry and historical fiction. This course analyzes the texts of these authors from the perspective of history, asking what light they shed on the lived experience of Mennonites in Manitoba and how specific historical times might have informed those writings. The course suggests a broad definition of "author", recognizing that all texts are literary constructions, employing particular media to make sense of the Mennonite worlds in Manitoba.  
**CROSS-LISTED:** History HIST-3212(3).

**MENN-3452(3) ANABAPTISM AND EVANGELICALISM (Le3)** This course will seek to understand both Evangelicalism and Anabaptism in light of recent historiography. Considerable attention will be given to the development of fundamentalism and evangelicalism in the past century in order to provide a basis for understanding the distinctive and common elements of the two traditions.

**MENN-3541(3) MENNONITES IN CANADA (Le3)** This course will survey major developments in Canadian Mennonite communities from 1786 to the present. It will trace the following themes: the Swiss American and Russian roots of Canadian Mennonites; community formation in Ontario and Western Canada; Anabaptism in everyday life (especially the way it was played out in the family); theological developments in the late nineteenth and early twentieth centuries; the survival of Mennonite faith distinctives in the urban and socially-integrated Canadian society since World War II. Special emphasis will be placed on establishing the unique features of Canadian Mennonite experience.  
**CROSS-LISTED:** History HIST-3541(3).

**MENN-4535(6) IMMIGRATION AND ETHNICITY IN CANADA AND THE UNITED STATES (S3)** This research seminar examines the history of immigration to North America between 1860 and 1960. The course focuses on the nature of migration patterns and the adaptation of immigrants to the new world, especially the rise of ethnic identities. The course discusses the similarities and differences in the Canadian and American immigrant experience.  
**CROSS-LISTED:** History HIST-4535(6).

# MODERN LANGU

MULTIDISCIPLINARY (MULT)

# PHILOSOPHY (PHIL)

Updated March 29, 2012

**Note: The department/program code PHIL replaces the former code 35. Students cannot hold credit in PHIL-xxxx ar6**





## **HONOURS REQUIREMENT**

Single Honours:

Minimum 54 credit hours/Maximum 78 credit hours in the Honours subject.  
Minimum 30 credit hours at 3000 and 4000-level in Philosophy.  
Minimum 21 credit hours at 4000-level in Philosophy.

Double Honours:

Minimum 36 credit hours in each Honours subject.  
Minimum 30 credit hours at 3000 and 4000-level in Philosophy.  
Minimum 21 credit hours at 4000-level in Philosophy, including Phil-4800(6).  
Consult departmental



theories of meaning and truth, the relation between perception and reality, the controversy between science and religion, and values in a social context.

**PHIL-2010(3) HISTORY OF PHILOSOPHY: EXISTENTIALISM (Le3)** This course explores characteristic existentialist themes including notions of human freedom, anxiety, self-deception, authenticity, and the limits of meaning and knowledge. We consider such representative thinkers as Kierkegaard, Nietzsche, Heidegger, Sartre, de Beauvoir, and Camus.

**RESTRICTIONS:** Students may NOT receive credit for both PHIL-2010(3) and the former PHIL-2007(6).

**PHIL-2011(6) THE GENESIS OF WESTERN HUMANISM (Le3)** This course is a study of the rise of humanistic thought in response to the needs and vicissitudes of life in the Greco-Roman world. Primary source material in translation will be used to obtain

PHIL-2010(3) PHIL-2011(6) PHIL-2012(6) PHIL-2013(6) PHIL-2014(6) PHIL-2015(6) PHIL-2016(6) PHIL-2017(6) PHIL-2018(6) PHIL-2019(6) PHIL-2020(6) PHIL-2021(6) PHIL-2022(6) PHIL-2023(6) PHIL-2024(6) PHIL-2025(6) PHIL-2026(6) PHIL-2027(6) PHIL-2028(6) PHIL-2029(6) PHIL-2030(6)

**PHIL-2251(3) PHILOSOPHY OF THE NATURAL SCIENCES**

**(Le3)** Key issues in understanding and evaluating the enterprise of natural science form the subject matter. Questions dealt with might include the following: Is there a scientific method? Can scientific theories be tested against experience? What are the criteria for the acceptability of scientific theories? Is induction reliable? What are the "laws of nature" and how can they be known? Is a true scientific theory simply a useful tool in our search for power over nature, or does it also provide us with an accurate description of the world we live in?

**PHIL-2252(3) PHILOSOPHY OF THE NATURAL SCIENCES**

his





**GENERAL DEGREE REQUIREMENT**

Humanities: Minimum 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 33 credit hours/Maximum 48 credit hours in Major subject.  
Double major: 33 credit hours in Physics and the specified number of credit hours in the other Department/ program.

**GENERAL 4-YEAR BSc DEGREE REQUIREMENTS**

**ADMISSION REQUIREMENT** Students must consult with a Department advisor in planning their studies.

**GRADUATION REQUIREMENT** 120 credit hours; that is, 90 credit hours meeting the requirements for the 3-Year BSc plus 30 additional credit hours.

**RESIDENCE REQUIREMENT**

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

**GENERAL DEGREE REQUIREMENT**

Humanities: Minimum 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:**

Minimum of 60 Credit Hours as per the courses listed below.

Required:

**MATH-1101(6)** Introduction to Calculus OR the equivalent MATH-1103 (3) Introduction to Calculus I AND MATH-1104 (3) Introduction to Calculus II

**BIOL-1112(6)** Human Anatomy and Physiology

**STAT-1501(3)** Elementary Biological Statistics I

**PHYS-1101(6)** Foundations of Physics I

**PHYS-2102(3)** Scientific Computing I

**PHYS-2201(6)** Electricity and Magnetism

**PHYS-2302(6)** Foundations of Physics II

**PHYS-2510(3)** Radiation Biology (CancerCare course)

**PHYS-2540(3)** Radiation Protection and Health Physics (CancerCare course)

**PHYS-3901(3)** Intermediate Physics Laboratory

Plus at least 15 credit hours selected from

**PHYS-2105(3)** Mathematical Physics I

**PHYS-2106(3)** Mathematical Physics II

**PHYS-2103(3)** Computational Physics

**PHYS-2502(3)** Radiation and the Environment

**PHYS-2503(3)** Medical Imaging

**PHYS-2520(3)** Physics of Radiation Therapy (CancerCare course)

**CCMB-2530(3)** Industrial, Therapy, and Imaging A049 0 Td48 3674505 0 Td (2)Tj 4.44849 0 Td (5)Tj 4.44849 0 Td (0)Tj 4.44849 0 Td (2)Tj 4.44

## REQUIREMENTS FOR A 4-YEAR BSc (CHEMICAL PHYSICS STREAM)

### MAJOR REQUIREMENT

Single Major: Minimum 96 credit hours in Chemistry, Mathematics and Physics as per Required Courses list.

**CHEM-1111(3)** Introduction to the Chemical Properties of Matter  
**CHEM-1112(3)** Basic Principles of Chemical Reactivity  
**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 OR the equivalent MATH-1103 (3) Introduction to Calculus I AND MATH-1104 (3) Introduction to Calculus II

**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)** Computational Physics  
**PHYS-2105(3)** Mathematical Physics I  
**PHYS-2106(3)** Mathematical Physics II  
**MATH-2801(6)** Functions

**ACS-2947(3)** Data Structures and Algorithms

Plus

**PHYS-2105(3)** Mathematical Physics I and  
**PHYS-2106(3)** Mathematical Physics II

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  
**PHYS-4001(6)** Honor's thesis  
**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 27 credit hours selected from

**MATH-3701(3)** Numerical Methods  
**PHYS-2804(3)** Introduction to Digital Systems

Any courses from the Applied Computer Science 4 year B. Sc. Group I or Group II electives

## **REQUIREMENTS FOR THE 4 YEAR BSc (RADIATION THERAPY)**

This program is being planned for full implementation in 2012/13. 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 96 credit hours as per the courses listed below.

Required Courses (96 credit hours):

**BIOL-1112(6)** Human Anatomy and Physiology  
**STAT-1501(3)** Elementary Biological Statistics I  
**PHYS-1301(6)** Introduction to Physics  
**SOCI-1101(6)** Introduction to Sociology  
**STAT-1601(3)** Elementary Biological Statistics II

OR

**STAT-2001(3)** Statistical Analysis for Chemists and Biologists  
**SOCI-3102(6)** Sociology of Medicine  
**KINE-2501(3)** Nutrition  
**PHIL-2202(3)** Ethics in Medicine and the

|                     |                                 |
|---------------------|---------------------------------|
| <b>PHYS-2106(3)</b> | Mathematical Physics II         |
| <b>PHYS-2302(6)</b> | Foundations of Physics II       |
| <b>PHYS-3202(3)</b> | Classical Mechanics I           |
| <b>PHYS-3203(3)</b> | Classical Mechanics II          |
| <b>PHYS-3301(6)</b> | Quantum Mechanics I             |
| <b>PHYS-3901(3)</b> | Intermediate Physics Laboratory |
| <b>PHYS-4001(6)</b> | Honours Thesis                  |
| <b>PHYS-4601(6)</b> | Quantum Mechanics II            |
| <b>PHYS-4901(3)</b> | Advanced Physics Laboratory     |

Plus 18 credit hours from:

|                     |                                    |
|---------------------|------------------------------------|
| <b>PHYS-2102(3)</b> | Scientific Computing I             |
| <b>PHYS-2103(3)</b> | Computational Physics              |
| <b>PHYS-3402(3)</b> | Thermal Physics I                  |
| <b>PHYS-3403(3)</b> | Thermal Physics II                 |
| <b>PHYS-4201(6)</b> | Electromagnetic Theory             |
| <b>PHYS-4302(3)</b> | Condensed Matter Physics           |
| <b>PHYS-4303(3)</b> | Subatomic Physics                  |
| <b>PHYS-4501(6)</b> | Introduction to General Relativity |

In addition to the above, students must select a further 6448e

## REQUIREMENTS FOR THE HONOURS BSc (MATHEMATICAL PHYSICS STREAM)

### HONOURS REQUIREMENT

Single Honours:

Minimum 66 credit hours in Physics and 30 credit hours in Mathematics.

Required courses (75 credit hours):

- MATH-1101(6)** Introduction to Calculus OR the equivalent MATH-1103 (3) Introduction to Calculus I AND MATH-1104 (3) Introduction to Calculus II
- MATH-1201(3)** Linear Algebra I
- MATH-2101(6)** Intermediate Calculus
- MATH-2102(3)** Differential Equations I
- MATH-2103(3)** Differential Equation II
- MATH-2203(3)** Linear Algebra II
- PHYS-1101(6)** >plu803420Tt(c)Tj 438699849 0 Td (t)Tj 2.28436 0 Td (i)Tj 1.80344 0 Td (o)Tj 4.44849 0 Td (n)Tj 4.44849 0 Td ( )Tj 2.22425 0

- PHYS-3901(3)** Intermediate Physics Laboratory
- PHYS-4001(6)** Honours Thesis
- PHYS-4601(6)** Quantum Mechanics II
- PHYS-4901(3)** Advanced Physics Laboratory

Plus at least 15 credit hours from:

- PHYS-2502(3)** Radiation and the Environment
- PHYS 2503(3)** Medical Imaging
- PHYS-2103(3)** Computational Physics
- PHYS-3104(3)** Mechanics II
- PHYS 3220(3)** Medical Physics and Physiological Measurement (given through the University of Manitoba)
- PHYS-4302(3)** Condensed Matter Physics
- PHYS-4303(3)** Subatomic Physics
- PHYS-4501(6)** Introduction to General Relativity
- PHYS-4201(6)** Electromagnetic Theory
- STAT-1601(3)** Elementary Biological Statistics II

OR

- STAT-2001(3)** Statistical Analysis for Chemists and Biologists

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-4401(3) | Special Topics in Physics |
| PHYS-1101(6) | Foundations of Physics I                   | PHYS-3103(3) | Special Topics in Physics | PHYS-4402(3) | Special Topics in Physics |
| PHYS-1301(6) | Introduction to Physics                    | PHYS-3202(3) | Classical Mechanics I     | PHYS-4403(3) | Special Topics in Physics |
| PHYS-1501(6) | Modern Technology                          |              |                           | PHYS-4404(3) | Special Topics in Physics |
| PHYS-1701(6) | Astronomy                                  |              |                           | PHYS-4405(3) | Special Topics in Physics |
| PHYS-2102(3) | Scientific Computing I                     |              |                           | PHYS-4406(3) | Special Topics in Physics |
| PHYS-2103(3) | Computational Physics                      |              |                           | PHYS-4407(3) | Special Topics in Physics |
| PHYS-2105(3) | Mathematical Physics I                     |              |                           | PHYS-4408(3) | Special Topics in Physics |
| PHYS-2106(3) | Mathematical Physics II                    |              |                           | PHYS-4409(3) | Special Topics in Physics |
| PHYS-2110(3) | Statics                                    |              |                           | PHYS-4410(3) | Special Topics in Physics |
| PHYS-2201(6) | Electricity and Magnetism                  |              |                           | PHYS-4411(3) | Special Topics in Physics |
| PHYS-2302(6) | Foundations of Physics II                  |              |                           | PHYS-4412(3) | Special Topics in Physics |
| PHYS-2502(3) | Radiation and the Environment              |              |                           | PHYS-4413(3) | Special Topics in Physics |
| PHYS-2503(3) | Medical Imaging                            |              |                           | PHYS-4414(3) | Special Topics in Physics |
| PHYS-2705(6) | Cosmology: Science Fact to Science Fiction |              |                           | PHYS-4415(3) | Special Topics in Physics |







characteristics of solid insulators, semiconductors and metals; magnetic properties of solids; and how defects significantly modify the physical characteristics of solids.

**COREQUISITE:** PHYS-3301(6).

**PREREQUISITES:** The Mathematical Physics Courses PHYS-2105(3) and PHYS-2106(3).

**RESTRICTIONS:** Students who have obtained credit in the former PHYS-4301(6) may not receive credit for this course.

**PHYS-4303(3) SUBATOMIC PHYSICS (Le3)** In this course students are introduced to the very small world of the nucleus. First nuclear properties are reviewed, and then various models for forces between nucleons are presented. Radioactive decay/nuclear reactions and detectors are considered. Various applications of nuclear physics are discussed in the areas of power plants, condensed matter physics, and medical physics. Particle physics is considered to the extent that time permits.

**COREQUISITE:** PHYS-3301(6).

**PREREQUISITES:** The Mathem

# POLITICS (POL)

Updated July 12, 2012

**Note: The department/program code POL replaces the former code 41. Students cannot hold credit in POL-xxxx and the former 41.xxxx having the same course number (e.g., POL-1011(6) and 41.1011(6)).**

**Chair: Professor S. Peou;** Professors: L. Axworthy, C.P. Leo, A.G. Mills; Associate Professors: S. Arnold, J. Boucher, L. DeRiviere, J. Grace, P. Ives, T. Narozhna, S. Sampert; Assistant Professor: Malcolm Bird

## 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

The study of politics examines power and authority at various levels – global/international, regional, national, and local. The academic discipline seeks to explain and understand how power and authority are organized and exercised at these levels. It also examines the material and non-material (historical, social, ideological, and ideational) forces that shape global/international, regional, national, and local politics. The study of politics is divided into a number of separate though overlapping fields, such as global/international politics, political thought, law, public policy and administration, urban and community politics, Canadian politics and comparative politics.

The Department offers the 3-Year BA, 4-Year BA, and Honours degrees, as well as a Master of Public Administration (PMA) in cooperation with the University of Manitoba. Students pursuing a major an Honours degree may also graduate with a Certificate in Public Policy and Administration. Students whose Major lies in a different area will find that courses in Politics complement areas in other academic disciplines, such as Economics, History, and Sociology, as well as in other inter-disciplinary programs, such as Urban and Inner City Studies, Indigenous Studies, and Women's and Gender Studies.

Politics graduates enter such professional fields as the public service, the legal profession, business administration, political organizations, and teaching. In addition, the pursuit of graduate studies in Politics can lead to a university academic career.

## REQUIREMENTS FOR A 3-YEAR BA IN POLITICS

|                                   |   |
|-----------------------------------|---|
| <b>ADMISSION REQUIREMENT</b>      | Students must consult with a member of the Department in planning their course of study.  |
| <b>GRADUATION REQUIREMENT</b>     | 90 credit hours   |
| <b>RESIDENCE REQUIREMENT</b>      |   |
| Degree:                           | Minimum 30 credit hours   |
| Major:                            | Minimum 18 credit hours   |
| <b>GENERAL DEGREE REQUIREMENT</b> |   |
| 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 five (5) different subjects.  |
| <b>MAJOR REQUIREMENT</b>          |   |
| Single Major:                     | Minimum 30 credit hours/Maximum 48 credit hours.  |
| Double Major:                     | 30 credit hours in Politics and specified number of credit hours in the other department/program.<br>Students may take a maximum of 6 credit hours of Directed Reading towards their major requirement. |
| Required courses:                 | <b>POL-1011(6)</b> Introduction to Politics, minimum 2.0 GPA.<br>12 to 18 credit hours at the 2000 level in Politics.<br>12 to 24 credit hours at the 3000 level in Politics.                           |
| Combined Major:                   | Minimum 48 credit hours from two different majors with not less than 18 credit hours from each major subject.   |
| Required course:                  | <b>POL-1011(6)</b> Introduction to Politics, minimum 2.0 GPA.   |

## REQUIREMENTS FOR A 4-YEAR BA IN POLITICS

|                                   |  |
|-----------------------------------|--|
| <b>ADMISSION REQUIREMENT</b>      | Students must consult with the Department Advisor in planning their studies<br>Students must have completed at least 30 credit hours in Politics   |
| <b>GRADUATION REQUIREMENT</b>     | 120 credit hours   |
| <b>RESIDENCE REQUIREMENT</b>      |  |
| Degree:                           | Minimum 60 credit hours  |
| Major:                            | Minimum 30 credit hours  |
| <b>GENERAL DEGREE REQUIREMENT</b> |  |
| 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.  |
| <b>MAJOR REQUIREMENT</b>          |  |
| Single Major:                     | Minimum 48 credit hours/Maximum 66 credit hours.<br>Minimum 6 credit hours from each of four Areas of Study.   |
| Double Major:                     | 48 credit hours in each Major subject as specified by the departments.   |
| Cognates:                         | Minimum of 18 credit hours, maximum of 36 credit hours in related courses from one of several departments.<br>Maximum total of cognate and major courses is 84 credit hours combined.<br>Students may They are required to defend their final written work before a two-member committee |
| Required courses:                 | <b>POL-1011(6)</b> Introduction to Politics, minimum 2.0 GPA.<br><b>POL-2400(6)</b> Canadian Politics<br>Minimum 18 credit hours at the 2000 level in Politics.<br>Minimum 24 credit hours at the 3000 level in Politics.<br>Maximum 18 credit hours at the 4000 level in Politics       |
|                                   | Students who have obtained at least a 3.0 GPA in previous Politics courses may substitute a maximum of 18 credit hours at the 4000 level for 3000-level courses.<br>Students without the required 3.0 GPA must consult the department for permission to take 4000-level courses.         |
| Combined Major:                   | Minimum 60 credit hours from two different majors with not less than 24 credit hours from each major subject.  |
| Required courses:                 | <b>POL-1011(6)</b> Introduction to Politics, minimum 2.0 GPA.<br><b>POL-2400(6)</b> Canadian Politics<br>Minimum 3 credit hours from each of four different Areas of Study.  |

## REQUIREMENTS FOR AN HONOURS BA IN POLITICS

|                                   |  |
|-----------------------------------|--|
| <b>ADMISSION REQUIREMENT</b>      | Students must have completed 30 credit hours with a minimum 3.0 GPA in Honours subject courses (cumulative GPA) and 2.5 GPA (degree GPA) in non-Honours courses.<br>Students must consult with and have the approval of the Department Chair or the Chair's designate in planning their course of study. |
| <b>GRADUATION REQUIREMENT</b>     | 120 credit hours, with minimum 3.0 GPA in Honours subject courses and 2.5 GPA in Non-Honours subject courses.  |
| <b>RESIDENCE REQUIREMENT-</b>     |  |
| 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 at 4000 level.  |
| <b>GENERAL DEGREE REQUIREMENT</b> |  |
| 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.  |

## HONOURS REQUIREMENT

Single Honours:

Minimum 54 credit hours / Maximum 78 credit hours  
Minimum 30 credit hours in 4000-level Honours courses.  
Minimum 6 credit hours from four of the five Areas of Study.

Double Honours:

Minimum 36 credit hours in each Honours subject.  
Minimum 24 credit hours in 4000-level Honours courses in Politics.  
Minimum 6 credit hours from three of the five Areas of Study.  
Students are allowed a maximum of 12 credit hours of Directed Reading toward the Honours requirement. They are required to defend their final written work before a two-member committee

Required courses:

**POL-1011(6)** Introduction to Politics, minimum 2.0 GPA.  
**POL-2400(6)** Canadian Politics

Recommended course

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**Education Students**

For Education students pursuing a Teachable Minor in Politics, the following courses

**Note:** The second digit identifies the area number.

**COURSE DE**





**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).

**POL-3225(3) QUANTITATIVE METHODS IN POLITICS (Le3)** An introduction to quantitative methods of political inquiry, this course will examine and apply standard methods of data analysis. These include basic statistical techniques, the use of computer programs for analysing data and generating statistics, and the interpretation of statistical results. It is a follow up to the Project Design course.

**PREREQUISITES:** POL-3224(3) or the former POL-2206(3) or the former POL-2247(3) or permission of instructor.

**RESTRICTIONS:** Students may not receive credit for this course and the former POL-3247(3) or POL-4247(6).

**POL-3230(6) CANADIAN POLITICAL THOUGHT (Le3)** The course examines the historical development and political expression of major Canadian ideologies: conservatism, liberalism, socialism, English-Canadian nationalism, and nationalism in Quebec politics.

**RESTRICTIONS:** Students may not receive credit for this course and the former POL-2261(6).

**POL-3233(3) POWER & POLITICS: 16C POLITICAL THOUGHT (Le3)** This course explores sixteenth century political thought in the historical context of the dramatic transformations of the Renaissance, the Reformation, the Scientific Revolution and the rise of capitalism. Key thinkers examined include: Machiavelli, Erasmus, More, Luther, Calvin, Bodin and Thomas Smith. Special attention is given to newly emerging conceptions

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live in a country which has multiple layers of government with policy responsibilities constitutionally divided between a national and regional political authorities. In the 21st Century, issues of decentralization to regional governments, subsidiarity and local autonomy are argued to be significant to viable social, cultural and political development. This course comparatively analyses the many issues that animate governance in multi-level systems which will include actors, institutions and policy processes. Students investigate the politics of federalism and multi-level governance in jurisdictions such as Canada, the United States, Australia and the European Union.

**POL-3510(3) INTEREST GROUPS AND NEW SOCIAL MOVEMENTS (Le3)** This course examines the roles of interest groups and social movements in influencing and shaping public policy. The course explores the concept of participation and representation by examining the organization of interests outside of mainstream political parties. The methods by which interest groups and social movements organize themselves, and, in particular, issues of democracy and accountability within these organizations, will be explored. Topics include theoretical perspectives on new social movements, as well as the experiences of workers' movements, women's movements, anti-poverty movements, environmental movements and the role of corporations and economic interest groups.

**POL-3520(3) COMMUNITY DEMOCRACY IN A GLOBAL AGE (Le3)** Our democratic institutions, for the most part inherited from the 19<sup>th</sup> century, are challenged in the 21<sup>st</sup> 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 asy

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**RESTRICTIONS:** Students may not receive credit for both this course and the former POL-4215(3) or POL-4240(3).

**POL-4220(6) LIBERTY AND COMMUNITY IN MODERN CANADIAN POLITICAL THOUGHT (S3)** This course will examine the confluence and tension of freedom and community in the thought of six modern Canadian thinkers: Woodsworth, Scott, Trudeau, Macpherson, Taylor and Grant. **PREREQUISITES:** One 3 credit hour course in Area 2, Political Thought, or PHIL-2205(6) or permission of instructor.

**RESTRICTIONS:** Students may not receive credit for both this course and the former POL-4239(6).

**POL-4225(6) SCOPE AND METHODS OF POLITICAL SCIENCE (S3)** The course offers an analysis of the interrelationship among philosophy, theory and method in contemporary Politics. Emphasis in the course will be placed on the development of theoretical principles of political inquiry and the critical analysis of a variety of theoretical approaches commonly employed in Politics, such as behaviouralism, systems theory, class analysis, socialization theory and others.

**PREREQUISITES:** One 3 credit hour course in Area 2, Political Thought, or PHIL-2205(6) or permission of instructor.

**RESTRICTIONS:** Students may not receive credit for both this course and the former POL-4246(6).

**POL-4230(6) MARX'S CAPITAL 1 (S3)** This course will be devoted to the careful study of volume I of Marx's *Das Kapital*, the cornerstone of Marx's economic and political thought. Students also read a 400-level Tj 4.4484





# PSYCHOLOGY (PSYC)

Updated March 6, 2012

**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 J. Clark;** Professor Emeritus: R. Norton; Professors: D. Bourassa, H. Bradbury, B. Fehr, W. Josephson, M.C. McIntyre, G. Rockman, E. G. Schaefer, H. Strub, D.A. Williams; Associate Professors: B. Bolster, P.M. Pearson, L.M. Sinclair, S. Smith, P. Trapnell; Assistant Professors: H. Aujla; A. Desroches; D. Gaucher; Instructors: M.K. Halldorson; Senior Scholars: G. Becker, B. Kelly, M.K. Kerr; Adjunct Professors: D. Bailis; J. Kornelson, S. Skwarchuk

## DEGREES/PROGRAMS OFFERED

**3-Year BA  
Honours BA**

## INTRODUCTION

Psychology is the scientific study of the mind and behaviour. The Psychology Department offers programs to acquaint students with theory and research in the diverse areas of study examined by academic psychologists. Students are also exposed to laboratory methods of investigation. These programs prepare students for further study in psychology and related fields, for example, education, speech pathology, law, business, and human services. For more information on the Psychology Department see [www.uwinnipeg.ca/index/psychology-index](http://www.uwinnipeg.ca/index/psychology-index).

## REQUIREMENTS FOR A 3-YEAR BA IN PSYCHOLOGY

|                                   |   |
|-----------------------------------|---|
| <b>ADMISSION REQUIREMENT</b>      | Students are advised, but not required to consult with a member of the Department in planning their course of study.                |
| <b>GRADUATION REQUIREMENT</b>     | 90 credit hours   |
| <b>RESIDENCE REQUIREMENT</b>      |   |
| Degree:                           | Minimum 30 credit hours   |
| Major:                            | Minimum 18 credit hours   |
| <b>GENERAL DEGREE REQUIREMENT</b> |   |
| 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.  |

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**GENERAL INFORMATION**

Prerequisites: **PSYC-1000(6) Introductory Psy**

## GENERAL INFOR6

## COURSE DESCRIPTIONS

Courses in Psychology are organized into nine 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. Consult the appropriate Timetable available from the Records Office for courses to be offered during the current term.

**Note that Introductory Psychology PSYC-1000(6) is a prerequisite for all other Psychology courses.** Most 3000- and 4000-level courses have additional prerequisites or corequisites. Students are advised to carefully consider these requirements in planning their programs.

PSYC-1000(6) INTRODUCT<sup>dd0</sup>

personality and perception on organizational behaviour, communication in organizations, learning and motivation, job design, work stress, and career planning and development.

**RESTRICTIONS:** Students with standing in the former 81.2102(6) may not receive credit for PSYC-2440(3). Students may not receive credit for both this course and BUS-2103(3) or the former BUS-2102(6).

**PSYC-2450(3) ORGANIZATIONAL PSYCHOLOGY II (Le3)**

This course covers topics related to group and organizational processes, including group dynamics, leadership, organizational conflict, power and organizational politics, organizational culture and socialization, organizational structure and design, and organizational development and change.

**PREREQUISITE:** PSYC-2440(3) or BUS-2103 (3).

**RESTRICTIONS:** Students with standing in the former 81.2102(6) may not receive credit for PSYC-2450(3). Students with standing in the former BUS-2102(6) may not receive credit for PSYC-2450(3).

**PSYC-2600(3) ATTENTION AND MEMORY (Le3)**

This course examines attentional and memory mechanisms from an information-processing perspective, in which the human is viewed as an active processor of information. Topics to be discussed include attention, coding and retrieval mechanisms, short and long term retention and organizational



bodily states can influence and even trigger disorders of the mind. The course focuses on the physical and psychological consequences of stress and adversity and on different means of maximizing resilience and minimizing harm. Important amongst the psychological means of promoting health are the techniques being developed as part of Positive Psychology. Positive Psychology fosters psychological and, reciprocally, physical health by promoting and strengthening positive (parasympathetic) emotions, fostering active engagement, and identifying meaningful activity.

**PREREQUISITE:** PSYC-2101(3) and PSYC-2102(3) or permission of the instructor. PSYC-2900(3) is highly recommended.

**PSYC-4010(3) ADVANCED READING AND RESEARCH IN PSYCHOLOGY I (P)**

This course allows students to engage in specialized readings and/or research of their own choice under the direction of a member of the Department of Psychology. Normally only subject matter not covered in an available course will be selected. Prior to registering for this course, a student must select an Advisor, prepare an Instructor-approved course of study, and submit the course of study for review by the Psychology Honours Committee. Forms are available from the Department of Psychology outlining this procedure. Registration will not be accepted without the completed forms.

**PREREQUISITE:** PS



# RELIGION & CULTURE (REL)

Updated March 6, 2012

**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 A. Welter;** Professor: P.L. Day; Associate Professor: M.F. Ruml; Assistant Professor: J. Newmark; Lecturer: L. Zamah.

Sessional Instructors: C. Colorado (Assistant Professor); K. Wong (Assistant Professor)

## 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 historical perspective and as contemporary phenomena. In the process of this exploration, the Religion & Culture program sensitizes students to the variety of traditions, commitments, and cultures which exist in our world, both globally and locally. It also provides an environment for students to thoughtfully reflect upon their own religious traditions and experiences as well as to think about issues and problems of modern life from a variety of perspectives.

The introductory courses are open to all students. They provide an opportunity to survey the diversity of religion in either the contemporary Canadian or the global context, or to explore the biblical roots of Judeo-Christian tradition. General interest courses are also offered at the 2000 level, and are open to all students without prerequisite. These courses do not presuppose previous knowledge or background and enable students to focus either on particular religious traditions (Aboriginal, Buddhist, Biblical, etc.) or on contemporary issues in religion (sexuality, technology, new religions, popular culture, etc.). Departmental faculty members have particular interests and strengths in the areas of religion and modern culture, mythology, Chinese and Japanese religions, Buddhist traditions, aboriginal traditions, Hebrew Bible/Old Testament, Islam and the Qur'an, and gender studies. The Major program, leading to either a 3-Year BA, 4-Year BA, or a BA Honours degree, is designed to provide an opportunity to explore a variety of religious traditions and topics as well as to concentrate on areas of particular interest. The Department also participates in a Joint Masters Program in Religion with the University of Manitoba.

Graduates who are interested in fields where human interaction and/or multiculturalism are significant factors, such as education, mediation services, social work, international business and international development, employee relations, immigration services and certain areas of law and the justice system, benefit greatly from courses in Religion & Culture.

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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 and an additional 6 credit hours at the 3000 level or above is recommended.

Individuals' programs will be structured to meet student needs and interests.

Students planning to major in Religion & Culture must consult with the Department Chair after completing 30 credit hours.

## REQUIREMENTS FOR AN HONOURS BA IN RELIGION & CULTURE

### 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 Religion & Culture 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 Religion & Culture 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, or designate.

### 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 \$848 0 Td (r)Tj 2.645054.64505 0 Td (e)Tj 4.44849 0 Td (e)T(d)Tj 4.44849 0 Td (i)Tj 4.4488,0 Td (

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

REL-1007(6) Introduction to Religion & Culture: The Religious Imagination and the Human Condition

**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 each of the four (4) Areas of Study.

Advanced Level Courses Minimum 18 credit hours in advanced level (3000, 4000, and 5000) courses in Religion & Culture of which a minimum 15 credit hours are at the 4000 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) (http://www.cmu.edu/religion/3990/)

# COURSE LISTINGS

## INTRODUCTORY COURSES

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**Aboriginal Religious Traditions**

- REL-2715(3) African Religions
- REL-2801(3) Introduction to Aboriginal Spirituality
- REL-2802(3) Aboriginal and Christian Encounter
- REL-2803(3) Aboriginal Sacred Narratives
- REL/IDS- Global Perspectives on Aboriginal Societies,  
2804(3) Spiritualities and the Environment
- REL-2872(3) African T

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**REL-2131(3) APOCALYPTIC LITERATURE (Le3)** This course will begin with a general introduction to apocalypse as a unique literary genre and will examine some of the problems of reading and interpreting apocalyptic writings in the light of their ancient contexts. This will be followed by an

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fundamentally an act of imagining, with social-institutional causes and consequences. It examines ways in which, beginning in the seventeenth century, experimental science, possessive individualism, global capitalism, mass media, militarism, and environmentalism challenged the traditional religious imagination and presented different paths for society to follow.

**REL-2511(3) h6.67274 0 Td**





Indigenous/Independent Churches (A (his course requires the



research

influences on, literary and cultural production. Students read biblical texts in relation to a historical and generic range of literary and cultural texts, which may include medieval morality plays, epic poetry, captivity narratives, and 20<sup>th</sup> and 21<sup>st</sup> century novels, poetry, films, television series, and other cultural texts that draw on, explore, challenge, parody, and satirize biblical texts, themes, images, characters, and symbols. Students examine biblical texts as they are

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credits from the four course groups, including at least one course form each group (see below).

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:

RHET-2131(3), RHET-2135(3), RHET-2137(3)

RHET-3329(3) if other Major Area is in the Humanities or Social Sciences

**OR**

RHET-3310(3) if other Major Area is in the Natural Sciences, OR another course relevant to the rhetoric of Science

**Course Groups**

**First-Year Courses**

Students taking the Rhetoric and Communications Major are required to take 3 credit hours of Academic Writing and 3 credit hours in English at the first-year level.

(3 credit hours)

Three credit hours of Academic Writing at the first-year level are required. Please note that there are no exemptions from this requirement for students majoring in Rhetoric and Communications. If a student takes RHET-1110(6) Academic Writing: Extended or RHET-1115(6) Academic Writing: Extended (English as an Additional Language), only 3 credit hours will be counted towards the Major (although all 6 credit hours will count towards the degree). Students can choose one of the following Academic Writing designations:

RHET-1101(3) Academic Writing: Humanities

RHET-1102(3) Academic Writing: Social Sciences

RHET-1103(3) Academic Writing: Sciences

RHET-1104(3) Academic Writing: Business and Administration

RHET-1105(3) Academic Writing: Multidisciplinary

RHET-1106(3) Academic Writing: English as a Second Language

English as a Second Language (EASL) (3 credit hours)

- (minimum 3 credit hours required)
  - EDUC-4600(3) Critical Literacy for Empowerment
  - RHET-2350(3) Reading and Writing Online
  - RHET-3154(3) The New Journalism
  - RHET-3310(3) Communicating Science
  - RHET-3320(3) Forms of Inquiry in Written Communication
  - RHET-3329(3) Writing for Scholarly Audiences
  - RHET-3330(3) Investigative Journalism
  - RHET-3331(6) Writing Partners Practicum
  - RHET-3340(3) Technical and Professional Communication
  
- (minimum 3 credit hours required)
  - POL-3455(3) Politics of the Mass Media in Canada
  - RHET-2246(3) Revolutions in Communication
  - RHET-3151(3) Critical Studies of Discourse
  - RHET-3321(3) Composing Our Winnipeg: Rhetoric of/and the City
  - RHET-3331(6) Writing Partners Practicum
  - RHET-3420(3) Rhetorics of Identity
  - SOC-3214(3) Mass Communication and Media

**Notes:** <sup>1</sup>Students are advised that SOC-3214(3) Mass Communication and Media has a prerequisite.  
<sup>2</sup>Though it is listed in Group Two and Group Four, RHET-2246(3) Revolutions in Communication cannot be used to meet group requirements for both.  
<sup>3</sup>Though it is listed in Group Three and Group Four, RHET-3331(6) Writing Partnerships Practicum cannot be used to meet group requirements for both.

Students can also select from the following courses. RHET-2530(3) counts toward the Major but does not meet Group Requirements. RHET-3132(3), RHET-3133(6), and RHET-3900(3) may or may not meet Group Requirements depending on course content. Please contact the Chair of the Department or Major advisor.

- RHET-2530(3) Rhetorical Grammar
- RHET-3132(3) Directed Readings in Rhetoric and Composition
- RHET-3133(6) Directed Readings in Rhetoric and Composition
- RHET-3900(3) Topics in Rhetoric, Writing, and Communications

## REQUIREMENTS FOR A 4-YEAR BA IN RHETORIC AND COMMUNICATIONS

### ADMISSION REQUIREMENT

Students are required to complete the following courses with a grade of C- or better: RHET-2350(3), RHET-3154(3), RHET-3310(3), RHET-3320(3), RHET-3329(3), RHET-3330(3), RHET-3331(6), RHET-3340(3), POL-3455(3), RHET-2246(3), RHET-3151(3), RHET-3321(3), RHET-3331(6), RHET-3420(3), SOC-3214(3).

RHET-3310(3) if other Major Area is in the Natural Sciences, OR another course relevant to the rhetoric of Science

**Course Groups**

**First-Year Courses**

Students taking the Rhetoric and Communications Major are required to take 3 credit hours of Academic Writing and 3 credit hours in English at the first-year level.

... (3 credit hours)

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maximum of 48 credit hours for the Creative Communications Diploma completed at Red River College.





**RHETORIC AND COMMUNICATION COURSES**

The Department of Rhetoric, Writing, and Communications offers the following courses:

- RHET-2131(3) Professional Style and Editing
- RHET-2135(3) Rhetorical Criticism
- RHET-2137(3) Contemporary Communication Theories
- RHET-2145(3) Theories and Practices of Oral Communication
- RHET-2246(3) Revolutions in Communications
- RHET-2350(3) Reading and Writing Online
- RHET-2505(1) E& R

assessment of audience and purpose, and the practice of effective editing. Sections of RHET-1104, designed for students in Business and Administration, focus on the fundamentals of good writing and critical thinking in academic and institutional settings. Students practise the forms of communication common in business, public administration, and non-profit organizations, such as summaries, reports, proposals, and correspondence. Students also learn the documentation styles and research databases relevant to Business and Administration. The Department website provides detailed information about each section.

**RESTRICTIONS:** RHET-1xxx(3) and RHET-1xxx(6) may not be taken by students with standing in the former CAW-1105(3), CAW-1110(6), ENGL-1100(3), ENGL-1101(3), ENGL-1121(3), or ENGL-1122(3). Students may receive credit for only one Academic Writing course at the 1000 level for graduation. Students with standing in the former ENGL-0100(3) Fundamentals of Rhetoric must register in a 3 credit hour version of Academic Writing in order to satisfy the writing requirement. RHET-1115(6) may not be taken by students whose first language is English

**RHET-1105(3) ACADEMIC WRITING:**  
**MULTIDISCIPLINARY (Le3)** Academic Writing teaches the essential strategies for effective communication in a variety of contexts.

speeches and pre-modern texts may also be considered. In addition, students will be encouraged to suggest other readings (including magazine and newspaper articles) that are suitable for rhetorical analysis.

**PREREQUISITES:** Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

**RHET-2137(3) CONTEMPORARY COMMUNICATION THEORIES (Le3)** Communication theories explain the way human beings interact verbally, at levels ranging from the interpersonal to the organizational. In this course, students are introduced to some of the major contemporary theories and practices pertaining to individual and group

the opportunity to undertake research in Rhetoric and/or Composition in their particular areas of interest. Students will arrange a program of reading and individual study in consultation with an appropriate instructor.

**PREREQUISITES:** Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

**RHET-3133(6) DIRECTED READINGS IN RHETORIC AND COMPOSITION (Le3)** This course provides students with the opportunity to undertake research in Rhetoric and/or Composition in their particular areas of interest. Students will arrange a program of reading and individual study in consultation with an appropriate instructor.

**PREREQUISITES:** Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

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infuse their reporting with rhetorical and literary technique, creating a hybrid genre of reportage that was both factual and artistic. They dethroned the novel as the most prestigious outlet for imaginative literary talent in their generation and instigated the first powerful renewal of North American letters in fifty years. The course includes works of both early and later periods of the movement, and considers a number of critical and theoretical statements about its practice.

**PREREQUISITES:** Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

### **RHET-3155(3) WRITING ON THE ENVIRONMENT (Le3)**

The focus of this course is writing on the environment, with emphasis on American and Canadian nonfiction writing after the 19<sup>th</sup> century. This includes what is often called “nature writing” – essays on farm life and backcountry living, writing about wilderness adventures, natural history essays, field guides, rambles, and other genres that rely heavily on personal narratives or descriptions of natural phenomena. But it also includes works that rely more heavily on explicit argument, among them polemical essays and philosophical inquiry. It is the rhetoric of such writing that we will be studying.

**PREREQUISITES:** Any section of Academic Writing or exemption from the writing requirement and completion of 24 credit hours. Students taking a Major in Rhetoric and Communications must complete Academic Writing before taking this course.

**RHET-3236(3) ORALITY AND LITERACY (Le3)** About 2700 years ago, Greeks began using the alphabet. A number of scholars believe that human consciousness changed dramatically when hitherto purely “oral” people became literate, and especially that literacy made abstract thought far more convenient and far more common. They argue that “oral” people think and interact and conceive themselves diff



some material realities and social myths that shape our  
thinki

theoretical approach at a more advanced level than they might in other offerings. This course may be repeated for credit when the topic varies.

**PREREQUISITES:** Any section of Academic Writing o

# SCIENCE with a BUSINESS STREAM

Updated March 6, 2012

Students pursuing a 3-year, 4-year or Honours BSc in any department or program have the opportunity to take a Business Stream – a set of core courses in the Faculty of Business that will provide them with the skills needed to enter and succeed in industry and business. After completing the requirements of the BSc degree and the set of core courses indicated below, it will be noted on the student's transcript that they have satisfied the requirements of a BSc degree with a Business stream.

**Program Advisors:** All Chairs, Directors or Coordinators in participating departments/programs can provide advice on the business stream within their major.

## DEGREES/PROGRAMS OFFERED

3-year BSc with a Business stream

4-year BSc with a Business stream

Honours BSc with a Business stream

Participating departments/programs: Applied Computer Science, Bioanthropology, Biochemistry, Biology, Biopsychology, Chemistry, Environmental Studies, Geography, Kinesiology, Mathematics, Physics, and Statistics.

## INTRODUCTION

This program will address the growing demand for University graduates in science to have the basic skill sets needed to function in a business environment. Businesses are playing an increasingly prominent role in science and technology in Canada, both in fundamental research and in the commercialization of innovative ideas to the marketplace. Partnerships between industry, academic institutions, and government agencies are thus on the rise. In particular, there is an expanding private sector in the life sciences, which includes everything from pharmaceutical companies making designer drugs to environmental consultants specializing in remediation. Also, science students who expect to proceed to professional school (Medicine, Dentistry, Pharmacy, ...)



**Note:** These

**GENERAL DEGREE REQUIREMENT**  
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**4000-Level Courses:** Minimum 3.0 GPA (B) in maj

**AREA 7**  
**HEALTH AND**





construction and the other factors that influence basic  
res



of corporations and formal organizations (including governments) against their employees, consumers, the public, and the environment. The course also looks at the deviant and illegal acts of individuals.

**PREREQUISITE:** SOC-2107(3).

### **SOC-3214(3) MASS COMMUNICATION AND MEDIA**

**(Le1.5, S1.5)** This course examines the social implications of developments in communications and media technologies. Course material focuses on Canadian mass communications and media in an increasingly globalized context. Topics of study include the construction of social reality through communications and media, theoretical perspectives on production and reception, critical analyses of communication industry policy and ownership, news media and journalism, globalization and mass media culture, media representations of war and conflict, and political activism in new media.

**PREREQUISITES:** SOC-1101(6), (Declared Majors in Rhetoric, Writing, and Communications or the UW/RRC Joint Communications Degree/Diploma may have this prerequisite waived by obtaining permission of the Sociology Department Chair).

**RESTRICTIONS:** Students who have obtained credit in the former SOC-3209(6) may not receive credit for this course.

**SOC-3215(3) POPULAR CULTURE (Le1.5, S1.5)** This course examines the construction of social reality through the dynamics of popular culture. Course material focuses on North American popular culture in an increasingly globalized context. Topics include the history and politics of high and low culture, cultures of consumerism, advertising, public space, identity and popular culture, subcultures and countercultures, culture jamming, postmodern strategies of representation, and political activism in popular culture.

**PREREQUISITES:** SOC-1101 (6), ENGL-2145 (6), or WGS-2260 (6) (Declared Majors in Rhetoric, Writing, and Communications or the UW/RRC Joint Communications Degree/Diploma may have this prerequisite waived by obtaining permission of the Sociology Department Chair).

**RESTRICTIONS:** Students who have obtained credit in the former SOC-3209(6) may not receive credit for this course.

## **HONOURS COURSES**

### **SOC-4100(6) QUEER STUDIES IN THE GLOBAL**

**POSTMODERN (S3)** This course introduces queer theories in the context of global postmodern culture. It builds on the premise that sex, gender, and sexuality intersect with other relations such as class, disability, race, ethnicity, citizenship, language, and religion. Course materials trace foundational texts in queer theory from feminist, poststructuralist, and gay and lesbian studies, as well as developments that have emerged in light of bisexual, transgender, indigenous, postcolonial, and diasporic critiques. This course also insists upon the relevance of queer studies for considering conflicts of national and trans-national consequence including neocolonialism, globalization, citizenship, immigration, war, terrorism, and human rights.

**PREREQUISITE:** One of WGS-3301 (3), WGS-3302 (3), the former WGS-3300 (6), SOC-3101 (6), SOC-3128 (3), or written permission of Department Chair and Instructor.

**CROSS-LISTED:** Women's and Gender Studies WGS-4100(6).

### **SOC-4101(6) SEMINAR IN SOCIAL STRATIFICATION (S3)**

This course examines the nature and significance of social stratification from an historical perspective as well as the structure and development of modern capitalism and socialism. Class relationships in contemporary societies and the future of class are analyzed. Other topics include caste and status communities, power differentials, women and

stratification, and such topics in social stratification as students choose to research.

**PREREQUISITE:** SOC-1101(6).

### **SOC-4116(3) SEMINAR IN QUANTITATIVE RESEARCH METHODS (S3)**

This course is an advanced study of the techniques and methodology of quantitative sociological analysis. This will include in depth discussion of methodological questions plus theoretical and practical experience with research design, data collection, statistical data processing and interpretation. The emphasis will be placed on computer based data analysis techniques. A major research project is to be completed.

**PREREQUISITES:** SOC-2125(3), SOC-1101(6), and

**PREREQUISITES:** SOC-1101(6) and SOC-2107(3) OR SOC-2119(6).

**SOC-4408(6) SEMINAR IN SOCIALIZATION AND DEVELOPMENT (S3)** This course is an advanced study i

SPA



**RESTRICTIONS:** Native speakers of Spanish or students who have standing in Spanish 40S or equivalent are not eligible to take this course.

**SPAN-2001(6) INTERMEDIATE SPANISH (Le3, La1)** The aim of this course is to enable students to increase their proficiency in the following skills: reading, writing, aural comprehension and oral expression. Students review and build on grammar essentials, discuss readings and related topics of current interest.

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**SPAN-3102(3) SPANISH CIVILIZATION FROM THE ENLIGHTENMENT TO THE PRESENT (Le3)** This course traces the evolution of Spanish culture from the eighteenth century to the present day. In addition to a broad overview of Spanish history, topics may include Spanish art (e.g., Velázquez, Goya, Picasso, Dalí), architecture (religious, military, and domestic), and cultural institutions (e.g., the

**PREREQUISITES:** Any 9 credit hours in Spanish Studies above the 1000-level or permission of instructor.

**SPAN-3103(3) LATIN AMERICAN CIVILIZATION: PRE-COLONIAL AND COLONIAL (Le3)** This course offers a survey of pre-Columbian civilizations up to the end of the 15<sup>th</sup> century as well as a focus on the Spanish colonization during the 16<sup>th</sup> century. Areas studied may include customs, domestic issues, the military, painting, sculpture, architecture, music or religion. Aspects relating to history, geography, literature, and language may also be discussed. The merging of cultures, resulting from the power struggles among the indigenous peoples and the Spanish, is an important focus as well.

**PREREQUISITES:** Any 9 credit hours in Spanish Studies above the 1000-level or permission of instructor.

**SPAN-3104(3) LATIN AMERICAN L. 4.44849 0 Td ( )Tj 2.40769 0 Td (i)Tj 1.8t.73285 0 Td (OTj 4.62869Td (o).73285 0 Td (OTj 4.6289n5 5.77102 0 T**



# STATISTICS (STAT)

Updated March 6, 2012

**Note: The department/program code STAT replaces the former code 53. Students cannot hold credit in STAT-xxxx and the former 53.xxxx having the same course number (e.g., STAT-1201(6) and 53.1201(6)).**

**Co-Chairs:** O.R. Oellermann, T. Visentin; **Professor:** H. A. Howlader; **Associate Professors:** J. Babb; M. Ghahramani; **Assistant Professor:** S. Hossain; **Instructors:** B. Bector, S. Khan

## DEGREES/PROGRAMS OFFERED

3-Year BA

3-Year BSc

3-Year BSc (Business Stream)

4-Year BA

4-Year BSc

4-Year BSc (Business Stream)

## INTRODUCTION

The study of Statistics is concerned with the collection, analysis, and interpretation of data. As a student of Statistics, one may take courses in the areas of theoretical statistics and probability theory, where stress is placed on the logical development of statistical methods. One may also take courses in the more applied areas which deal with the application of statistical methods as a framework for interpreting numerical data. In addition, the Statistics Department offers courses in Operations Research and Stochastic Modelling which are applicable in telecommunications, transportation, and manufacturing systems. Computer programs are often used in the analysis of large data sets and in simulation; therefore, it is advisable for students to gain some knowledge of statistical computing and programming.

The Statistics Department offers 3-Year and 4-Year BA or BSc degree programs. Students who are not Statistics Majors will find that a background in statistics is valuable in many areas, in which the use of statistical methods to test theories and develop models is increasing; for some programs, certain Statistics courses are required. Students pursuing a 3-year or 4-year BSc in Statistics also have the opportunity to take a Business Stream (see the "Science with a Business Stream" section of this Course Calendar).

Statistical techniques are in wide use in virtually every branch of the Physical, Social, Biological, and Human Sciences. Statisticians often work in close cooperation with specialists in other fields to assist in the design and analysis of research data. A statistician may assist economists in the analysis of consumer prices, as well as with the design and analysis of large-scale socio-economic surveys. A statistician may help biologists, chemists or engineers in the design and analysis of experiments, or work with doctors to test the effectiveness of new drugs. Other opportunities can be found in finance, marketing, and quality management, as well as in research facilities where statisticians develop new and better statistical methods. Many statisticians find employment with private corporations and government agencies including Statistics Canada.

## REQUIREMENTS FOR A 3-YEAR BA/BSc IN STATISTICS

|                                   |  |
|-----------------------------------|--|
| <b>ADMISSION REQUIREMENT</b>      | Students must consult with a member of the Department in planning their course of study. |
| <b>GRADUATION REQUIREMENT</b>     | 90 credit hours  |
| <b>RESIDENCE REQUIREMENT</b>      |  |
| Degree:                           | Minimum 30 credit hours  |
| Major:                            | Minimum 18 credit hours  |
| <b>GENERAL DEGREE REQUIREMENT</b> |  |
| Humanities:                       | 12 credit hours in Humanities  |
| Writing:                          | 3 credit hours of Academic Writing   |
| Maximum Introductory Courses:     | Students may use a maximum of 42 credit hours at 60 & Td (r)Tj 2.6459                    |



Required Courses:

Core Courses

- STAT-1201(6)** Introduction to Statistical Analysis OR
- STAT-1501(3)** Elementary Biological Statistics I AND
- STAT-1601(3)** Elementary Biological Statistics II
- STAT-2301(3)** Survey Sampling I
- STAT-2903(3)** Introduction to Statistical Computing
- STAT-3103(3)** Statistics in Research I
- STAT-3104(3)** Statistics in Research II
- STAT/MATH-3611(3)** Mathematical Statistics I
- STAT/MATH-3612(3)** Mathematical Statistics II
- STAT-4202(3)** Statistical Inference

18 credit hours from:

**STAT-2102(3)**

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## MAJOR REQUIREMENT

Single Major: Minimum 30 credit hours/Maximum 48 credit hours.  
Double Major: 30 credit hours in Theatre and the specified number of credit hours in the other department/program.

Required Courses for all areas **except** Filmmaking:

**THFM-1001(6)** Introduction to Theatre: Performance **OR THFM-1002(6)** Introduction to Theatre: General  
**THFM-2703(3)** Play Analysis

**AND** a minimum of any **ONE** of:

**THFM-2401(3)** Theatre History I: Aeschylus to Shakespeare  
**THFM-2402(3)** Theatre History II: Molière to Irving  
**THFM-3401(3)** Theatre History III: Ibsen to the Present  
**THFM-3402(3)** Canadian Theatre and Drama

**AND**

**One sequence of practical courses** representing one Area of Theatrical Study as defined below.

Required courses for **FILMMAKING**:

**THFM-1001(6)** Introduction to Theatre: Performance (recommended) **OR THFM-1002(6)** Introduction to Theatre: General  
**THFM-1010(6)** Introduction to Film

**THFM-2310(6)** Filmmaking I: Screen Narrative Technique  
**THFM-2410(6)** History of Film

**AND** at least **ONE** of:

**THFM-3310(6)** Filmmaking II: Directing the Short Film  
**THFM-3312(6)** Sound Editing  
**THFM-3313(6)** Advanced Picture Editing

**NOTE:** These requirements do not apply to the Dance Program Stream.

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

Required Courses for all areas **except** Filmmaking:

**THFM-1001(6)** Introduction to Theatre: Performance **OR THFM-1002(6)** Introduction to Theatre: General  
**THFM-2703(3)** Play Analysis

**AND** a minimum of any **ONE** of:

**THFM-2401(3)** Theatre History I: Aeschylus to Shakespeare  
**THFM-2402(3)** Theatre History II: Molière to Irving  
**THFM-3401(3)** Theatre History III: Ibsen to the Present  
**THFM-3402(3)** Canadian Theatre and Drama

Required courses for **FILMMAKING**:

**THFM-1010(6)** Introduction to Film  
**THFM-2410(6)** History of Film

## EXAMPLES OF AREAS OF THEATRICAL AND FILM STUDY:

In addition to taking the courses listed below, students must fulfil the requirements for the 3-Year BA Degree described above.

**ACTING:** Compulsory sequence:  
**THFM-1001(6)** Introduction to Theatre: Perform

Required but not in any particular order or year:

**THFM-2703(3)** Play Analysis

**AND** a minimum of **any ONE** of:

**THFM-2401(3)** Theatre History I: Aeschylus to Shakespeare

**THFM-2402(3)** Theatre History II: Molière to Irving

**THFM-3401(3)** Theatre History III: Ibsen to the Present

**THFM-3402(3)** Canadian Theatre and Drama

Recommended (in numerical order):

**THFM-2601(3)** Costuming

**THFM-2602(3)** Lighting

**THFM-3202(3)** Drafting and Drawing

**HIST-2800(6)** History of European Art

**STAGE MANAGEMENT AND PRODUCTION:**

Compulsory Sequence:

**THFM-1001(6)** Introduction to Theatre: Performance OR **THFM-1002(6)** Introduction to Theatre: General

**THFM-2801(6)** Theatrical Production I

**AND**

For PRODUCTION only:

**THFM-3801(6)** Theatrical Production II

**THFM-3807(3)** Production Operations and Management

For STAGE MANAGEMENT only:

**THFM-3801(6)** OR any two of the Theatre courses listed under "Recommended" below

**THFM-3802(3)** Stage Management

Required but not in any particular order or year:

**THFM-2703(3)** Play Analysis

**AND** a minimum of **any ONE** of:

**THFM-2401(3)** Theatre History I: Aeschylus to Shakespeare

**THFM-2402(3)** Theatre History II: Molière to Irving

**THFM-3401(3)** Theatre History III: Ibsen to the Present

**THFM-3402(3)** Canadian Theatre and Drama

Recommended (in numerical order):

**HFM-244** Canadian Theatre and Drama

**Drama**

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**THFM-2401(3)** Theatre History I: Aeschylus to Shakespeare  
**THFM-2402(3)** Theatre History II: Molière to Irving  
**THFM-3401(3)** Theatre History III: Ibsen to the Present  
**THFM-3402(3)** Canadian Drama

and

**THFM-4441(3)** Theatre Aesthetics **OR** a minimum of 3 credit hours in any Honours-level course in dramaturgy.

**One sequence of practical courses** representing one Area of Theatrical Study.

It is strongly recommended that Honours students going on to graduate work take a dramatic literature course.

**NOTE:** These requirements do not apply to the Dance Program Honours Stream.

B.A. (Hons.) is not available in the Drama in Education or the Filmmaking areas of study.

#### EXAMPLES OF AREAS OF THEATRICAL STUDY:

In addition to taking the courses listed below, students must fulfil the requirements of the BA Honours Degree described above.

#### ACTING:

Compulsory sequence:

**THFM-1001(6)** Introduction to Theatre: Performance **OR** **THFM-1002(6)** Introduction to Theatre: General

**THFM-2101(6)** Acting Theory and Practice

**THFM-4131(12)** Acting III: Honours

Required but not in any particular order or year:

**THFM-2703(3)** Play Analysis

A minimum of **any ONE** of:

**THFM-2401(3)** Theatre History I: Aeschylus to Shakespeare

**THFM-2402(3)** Theatre History II: Molière to Irving

**THFM-3401(3)** Theatre History III: Ibsen to the Present

**THFM-3402(3)** Canadian Drama

**AND EITHER:**

**THFM-4441(3)** Theatre Aesthetics **OR** a minimum of 3 credit hours in any Honours-level course in dramaturgy.

6 or 9 additional credit hours in Theatre at the 3000 level (depending on the choice of required course from the list above)

6 additional credit hours in Theatre at the 3000 level (depending on the choice of required course from the list above)

**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

6 additional credit hours at the 4000-level in directing, dramaturgy, or special studies

Required but not in any particular order or year:

**THFM-2703(3)** Play Analysis (3)

**THFM-3801(6)** OR any two of the Theatre courses listed under "Recommended" below

**THFM-4832(6)** Problems in Stage Management

12 credit hours of theatre practicum/special studies work at the 4000 level

Required but not in any particular order. 501632232574906 111912400365061 012544503405036 23612769D14734.44849 0 Td







**THFM-2501(6) MIME AND IMPROVISATION (Le3, LaV)**

This course consists of a study of the theory and practice of theatrical mime and theatrical improvisation. Attention is paid to both the developmental and performance aspects of mime and improvisational activity.

**PREREQUISITE:** THFM-1001(6) OR THFM-1002(6).

**THFM-2502(6) VOICE AND DICTION (Le3, LaV)**

This course is a study of the theory and practice of voice production, projection, speech improvement, and oral communication techniques as they apply to work in the theatre, in the classroom, and in a variety of other contexts in life where good communication skills are valued. Public speaking, developed speeches, interpretive reading, storytelling, and work with Shakespearean text are some of the experiences offered by this course. Caring for the voice and having a clear understanding of how the voice works are also covered.

**THFM-2505(3) PRINCIPLES OF PHYSICAL TRAINING FOR THE ACTOR (LeLa3)**

This course is designed to introduce actors to the core objectives and fundamental principles regarding the physical training of the actor.

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that teleplay writers in drama series have employed to maintain viewer interest despite frequent interruptions and breaks from episode to episode or season to season. The course examines recent drama series. While it is particularly aimed at those interested in screenwriting, it is valuable to anyone who wants to understand how series television narrative works. This course can be used towards the Humanities Requirement.

**THFM-2701(6) PLAYWRITING I (S3)** This course introduces students to creation strategies such as idea-outline-draft, imaginary improvisation, and RSVP cycles. In this course the play is seen as a kind of score for directors, designers, and especially for actors. Creation of the dramatic moment, the dramatic scene, characters revealed through action, and finally a one-act play in which a protagonist seeks to accomplish an objective, form the central concerns of the course. Students are expected to complete a one-act play to at least a second draft. This course can be used towards the Humanities Requirement.

**PREREQUISITE:** THFM-1001(6) **OR** THFM-1002(6), **OR** permission of the instructor.

**THFM-2703(3) PLAY ANALYSIS (Le3)** This is a practical course for actors, directors, and designers in the analysis of plays in rehearsal and pre-rehearsal situations. A variety of interpretive strategies are developed in approaching the problems of form, character, and theme in plays of different styles and periods. The emphasis is on Stanislavsk(

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**THFM-3103(6) MOVEMENT FOR ACTORS (Le3, LaV)** This  
course inti



apply to the Chair to be exempted from taking one or both of these courses.

**PREREQUISITES:** THFM-2101(6); THFM-2920(3); **AND** THFM-2922(3).

#### **HONOURS COURSES**

##### **THFM-4041(6) SPECIAL STUDIES IN THEATRE/FILM**

**(T,V)** Students taking this course arrange a program of reading, individual study, and lab work in consultation with an appropriate Instructor.

**PREREQUISITE:** Permission of the Department Chair.

##### **THFM-4042(3) SPECIAL STUDIES IN THEATRE/FILM**

**(T,V)** Students taking this course arrange a program of reading, individual study, and lab work in consultation with an appropriate Instructor.

**Page 42**

intent and papers of self-criticism in connection with each directing assignment.

**PREREQUISITES:** THFM-2101(6), **OR** THFM-2101(3) **AND** THFM-2102(3).

**THFM-4441(3) THEATRE AESTHETICS (S3)** This course consists of an examination of some fundamental questions about the nature of Theatre and Film. Seminar discussions are supplemented with the reading of key texts in dramatic theory and criticism. This course can be used towards the Humanities Requirement.

**PREREQUISITES:** THFM-2401(3). Permission of the instructor is required in the case of General course students applying to enrol in this Honours course.

**THFM-4442(3) ADVANCED THEORY H<sup>AD</sup>**

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2nd Year:  
Compulsor

**EXAMPLE OF PATTERN OF DANCE STUDY**

1st Year:

Compulsory: **DANC-1901(3)** Survey of Dance I e

techniques of modern dance and ballet. The course focuses on the refinement of technique and artistic development.

**COREQUISITE:** Must be taken concurrently with DANC-1901(3) Survey of Dance I.

**DANC-2902(6) DANCE TECHNIQUE II (Le3, LaV)** This is a further development of DANC-2901(6) Dance Technique I.

**PREREQUISITE:** DANC-2901(6) **OR** permission of the Program Co-Director.

**COREQUISITE:** Must be taken concurrently with DANC-1902(3) Survey of Dance II.

**DANC-2904(6) SPRING DANCE INTENSIVE II (Le3, LaV)**

This is a further development of DANC-1904(6) Spring Dance Intensive I. 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-2901(6) Dance Technique I or equivalent **OR** permission of the Program Co-Director.

**DANC-3901(6) DANCE TECHNIQUE III (Le3, LaV)** This is a further development of DANC-2902(6) Dance Technique II.

**PREREQUISITE:** DANC-2902(6) Dance Technique II **OR**













**UIC-2515(3) HISTORY OF EDUCATION IN WINNIPEG'S  
INNER CITY (Le3)** This course ex

**UIC-3603(3) WINNIPEG AND THE ENVIRONMENT: A CASE STUDY APPROACH (Le3)** This course focuses on the particular problems facing the City of Winnipeg in its interaction with the environment. Students are required to participate in an in-class strategic planning session to select issues and concerns that will become the case study content of the course. Municipal planning initiatives are used to select the issues, to define their scope, and to propose policy and program solutions. The course format involves small interactive group discussions led by the students and facilitated by the instructor. A high level of student participation is expected. **PREREQUISITES:** ENV-1600(3), the former ENV-2600(3) or permission of instructor.

**UIC-4001(3)/(6) DIRECTED READINGS IN URBAN AND INNER-CITY STUDIES (D)** This course provides the student with the opportunity to identify a topic of interest in Urban and Inner-City Studies and to examine the topic in depth under the supervision of a professor who has expertise in that area. This course may be taken more than once for credit if the topics vary. Students may take a maximum of twelve (12) credit hours in directed readings courses.

**UIC-4010(3) URBAN POVERTY (S3)** Poverty in urban centres has become a serious problem in the late 20<sup>th</sup>-early 21<sup>st</sup> centuries. It differs from the urban poverty of earlier generations. What are its distinguishing features? Why has it emerged at the time and in the form that it has? What modes of explanation can best guide us to a better understanding of this poverty? This course attempts to answer such questions, examining some theoretical works that address contemporary urban poverty.

**PREREQUISITES:** Student must have taken two other UIC courses.

**UIC-4020(3) INNER-CITY WORKSHOP (S3)** This course combines theory and practice in the study of the dynamics of low-income inner-city communities. The course includes an examination of some recent literature on the phenomenon of low-income inner cities. It also features a practicum placement--- three hours per week---with an inner-city community-based organization, and a term paper based on primary research on an inner-city topic, preferably related to the practicum assignment. Students develop research skills in a hands-on fashion, while being exposed to the practical realities of day-to-day life in the inner city.

**PREREQUISITES:** Student must have taken two other UIC courses

**UIC-4445(3) URBAN ABORIGINAL SEMINAR (S3)** This seminar examines selected topics dealing with urban Aboriginal issues. Topics may include the viability of urban Aboriginal governance, urban reserves, and Aboriginal education and economic development issues in the inner city. The issue of differing conceptions of Aboriginal representation and identity held by various Aboriginal organizations is a particularly challenging and contentious issue in the urban context. The portability and applicability of Aboriginal and treaty rights in the urban environment may also be explored. We may also analyze the unique problems created by the range of jurisdictional responsibilities towards Aboriginal people in the urban environment.

## EXPERIMENTAL COURSES IN THE CORE

Experimental Courses are new courses offered on a trial basis to gauge interest in various topics. Students who successfully complete any experimental course receive credit as indicated.

**UIC- 4210(3) NEW URBAN WORLDS (S3)** This course provides an interdisciplinary perspective on the economic, cultural and political contexts of contemporary urban change and their implications for new urban social movements, polarization and inequality, difference, and neighbourhood change. The varied impacts on inner city areas will be especially emphasized. Although the focus is on northern cities, some examples from the global south will be used to provide a context.



Year 2

An additional 6 credit hours of Women's and Gender Studies courses at the 2000 level  
**WGS-3301 (3)** Feminisms: Background and Fundamentals

## REQUIREMENTS FOR









theme, author, movement, approach or theory in Women's and Gender Studies. Students should consult with the Women's and Gender Studies Department for details.

**PREREQUISITES:** WGS-1232/6 and at least one additional course in Women's and Gender Studies.

**WGS-3501(3) SPECIAL TOPICS IN WOMEN'S & GENDER STUDIES (S2, Le1)** This course focuses on a specific theme, author, movement, approach or theory in Women's and Gender Studies. Students should consult w

The seminar gives students the opportunity to work collectively, listen, read purposively, and constructively si

# GRADUATE STUDIES

Updated March 6, 2012

1. **Degrees/Programs Offered**

2. **History of the Master's Programs**

3. **Entrance Requirements**

- a. Pre-Master's Students
- b. Master's Students
- c. Occasional Students

4. **Application**

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## 7. Regulations

### a. Minimum Course Requirements

#### University of Winnipeg Master's Programs

##### Indigenous Governance Program (one-year):

###### Coursework and Thesis:

18 credit hours required courses

12 credit hours of elective courses, one of which must be the Thesis course.

Required to provide oral defense of their thesis

###### Coursework and Comprehensive Examination

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**APPLIE**

**MASTER OF SCIENCE**





**ACS-7102(3) WEB AND DOCUMENT DATABASES**

**(Le3)** This course focuses on design and implementation of web and document databases, which can be defined to be a traditional database system plus the management of data distributed over Web servers. The course covers the theories of database design, different indexing techniques, semi-structured data management, eXtended Markup Language (XML), search engine, algorithms for evaluating tree-pattern queries, reachability queries, as well as some important graph algorithms related to web management. Through the study of this course, students will develop skills to solve hard problems in data organization.

PREREQUISITES: Consent of the Department Graduate Program Committee Chair or Instructor.

**ACS-7205/3 DIGITAL IMAGE PROCESSING (Le3)**

This course will provide students a detailed overview of Digital Image Processing and its applications. Image processing has found applications in many areas from medical imaging to computer graphics. This course covers the fundamental concepts of visual perception and image acquisition, basic techniques of image manipulation, segmentation and coding, and a preliminary understanding of Computer Vision. With successful completion of the course, students will be able to perform image manipulations and analysis in many different fields

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 rul, §

addresses the social, organizational and technical issues in managing global software projects. Its topics include communications and coordination in a distributed environment; critical success factors; global project management framework; generic design (void of nationalities) and local design (with target culture); and evaluation criteria of the perceived effectiveness of various global project management strategies. The course incorporates both theory and practice, including case studies from international soft

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# MASTER OF SCIENCE BIOSCIENCE, TECHNOLOGY & PUBLIC POLICY (BIOL)

Updated March 6, 2012

## **Bioscience Graduate Program Chair: Richard Westwood**

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 challenges. Science and technology cannot develop effectively within a social vacuum. The objective of this program is to train students in the advanced methods of science, and 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 a variety of fields including health research, genetics and genomics, evolution, physiology, forestry, molecular biology, environmental science, animal behaviour, cellular biology and many others. Our program provides students 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 science and ethics, science and public policy and science in the context of global relations.

## **Admission (Deadline February 1)**

Applicants for admission to the program

## GRADUATE COURSE DESCRIPTIONS

### A. CORE BIOSCIENCES

#### BIOL-7100(3) DIRECTED STUDIES IN LIFE SCIENCES

This course 0 (This is a placeholder for a description of the course, which has been obscured by a large black redaction box.)

# MASTER OF ARTS CULTURAL STUDIES

Updated March 6, 2012

**Graduate Program Chair:** Mavis Reimer

## INTRODUCTION

Cultural Studies is a field of research that moves across traditional disciplines in the humanities and social sciences to understand culture and the arts as part of social, economic, and political environments. Central to the field of Cultural Studies are the questions of what constitutes a text, how some texts, visual images, and cultural artefacts come to be valued over others, and how questions of value relate to the distribution of power and authority.

The MA in Cultural Studies is a degree with two approved specializations: 1) Texts and Cultures, and 2) Curatorial Practices.

### Application Deadline:

Application packages will be on hold until ALL required documents are received. The application deadline is **January 15** for Canadian applicants and **December 15** for international applicants. Applications received after the official deadlines will be considered, but financial assistance cannot be guaranteed for late applicants. The normal date to begin the program is September. For current information on scholarships, please visit the Department and Graduate Studies websites.

### How to Apply:

1. Complete the on-line application form available at <http://www.uwinnipeg.ca/index/cms-filesystem-action?file=pdfs/grad-studies/grad-studies-app.pdf>.
2. Provide official/notarized transcripts of academic work completed to date, sent directly from the issuing institution. If a transcript does not show that a completed degree has been conferred, an official/notarized copy of your diploma is also required or a letter of attestation.

## TEXTS AND CULTURES

This course-based MA program is designed to provide students with a strong foundation in the study of texts and cultures.

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offered, and might include a practicum in local cultural projects and communities.

**ENGL-7112(3) and ENGL-7113(6) Topics in Cultural Theory** These courses focus on such questions as: What constitutes a text? How do some texts come to be valued over others? How do questions of value relate to the distribution of power and authority? How do social differences such as race, ethnicity, class, and gender shape and unsettle cultural production and consumption over time? How may "cultural theory" and "critical theory" be situated in relation to one another?

**ENGL-7160(3) and ENGL-7161(6) Topics in Cultures of Childhood** These courses focus on such questions as: How has the subject category of "the child," different in different times and places, been used to secure definitions of class, nation, history, and the modern individual? How do digital, filmic, and television texts, texts of material culture such as toys and video games, and oral texts such as family stories and schoolyard games take up and reframe these debates? How does studying texts designed for young readers allow for theoretical investigations into the manufacture of consent in liberal democratic cultures?

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# MASTER'S IN DEVELOPMENT PRACTICE (MDP)

Updated March 29, 2012

**Note:** The MDP is housed in the Department of Indigenous Studies but has its own designator, MDP, for MDP-specific courses. See the MDP website for the most up-to-date information : <http://www.uwinnipeg.ca/index/mdp-home>.

**MDP Director:** J. Pelletier, Chair of Department of Indigenous Studies

**MDP Program Coordinator:** Tamara Dionne Stout

**Department Assistant:** call 786-9305

## Master's in Development Practice

The Master's in Development Practice in Indigenous Development is an interdisciplinary graduate degree that equips a new generation of development practitioners with the broad knowledge and practical skills needed to understand and respond to complex development challenges. The MDP at the University of Winnipeg is one of the 22 founding MDP programs world-wide supported by the MacArthur Foundation and the only one specifically with a focus on indigenous development.

In addition to meeting the criteria for entrance to Graduate School, student admission is based upon:

\* experience and/or research achievement in the broad field of development practice

which you have not yet included in the application. Examples might include exceptional commitment to a particular development interest, relevant employment history, strong extra-curricular activities, demonstrated ability to overcome adversity, or social, political or charitable interests.. A

5. Submit General Bursary Program Application Form. Use "Additional Comments" section to note special status, such as Indigenous or Aboriginal, or other factors not otherwise included in the General Bursary Program Application Form. Include bursary application with your application materials – do NOT submit to Office of Awards and Financial Aid:  
[http://www.uwinnipeg.ca/index/cms-filesystem-action/pdfs/awards/general%20bursary%20application\\_fw11.pdf](http://www.uwinnipeg.ca/index/cms-filesystem-action/pdfs/awards/general%20bursary%20application_fw11.pdf)

**6. English language requirement (where applicable)**

The test should have been taken within the preceding year of the date the completed application is submitted

**Completed application forms** should be submitted to:

**Office of the Registrar-Graduate Studies**

Telephone: 204-258-2976

Fax: 204-774-4134

**IS-2101(6) INTERMEDIATE CREE (Le3, La1)** This course is an intermediate course in the Cree language. It serves as a continuation of Introductory Cree (IS 1101, formerly ABOR 1101) or as the entry-level course for fluent speakers of Cree. The course focuses primarily on oral conversational skills, vocabulary and grammatical patterns. Attention is paid to Cree orthography, composition and translation. The lab component provides one-on-one and small group interactions intended to enhance language acquisition and provide additional opportunities for language practice and usage.

**PREREQUISITE** <sup>d</sup> I  
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research and ethical review processes related to development issues, programs, and implementation.

**PREREQUISITES:** Admittance into MDP program **OR** instructor's permission.

**GEOG-4450/GDP-7750(3) MANAGING FOR ENVIRONMENTAL STABILITY (S3)** This course considers geographic and environmental approaches to sustainable staples-based development, particularly as they apply to water, energy, and mining. Discussion begins by outlining change, complexity, uncertainty and conflicts associated with primary and derived resources, including those contributing to climate change. Important technological innovations and policy developments designed to address these challenges are contemplated. The roles and contributions of indigenous knowledge are discussed within the context of corporate social responsibility policies, public-private initiatives, community-based resource management, adaptive

management, and social learning through public participation.

**PREREQUISITES:** Admittance into MDP program **OR** instructor's permission

**GDP-7790(3) SPECIAL TOPICS IN INDIGENOUS DEVELOPMENT PRACTICE (S3)** This course enables students to interact with key leaders (scholars and practitioners) in the field of development practice. The emphasis is on enabling the entire MDP cohort of students to meet, as the opportunity presents itself, with leaders in development, and in particular, indigenous development. The goal is to expose students, in an integrated learning environment, to conceptual and practical issues and innovative development practices as presented by a variety of speakers who present to and lead discussions with MDP students.

**PREREQUISITES:** Admittance into MDP program





PREREQUISITES: Students must be enrolled in the following courses: 2228B, 8034, 8034T, 03502, 1104508, 144849, 110491, 28324, 2655(A)





**MASTER OF ARTS ER OF ARTS TS**

**HIST-7608(6) / HIST 7180 STUDIES IN AMERICAN HISTORY TO 1877** An examination of selected topics in American history from colonial beginnings to Reconstruction. Particular topics will be announced each year.

**HIST-7609(6) / HIST 7190 STUDIES IN AMERICAN HISTORY SINCE 1877** An examination of selected topics in American history from Reconstruction to the present. Particular topics will be announced each year.

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**HIST-7310(6) / HIST 7800 IMPERIAL RUSSIA** A study of selected problems in Russian Imperial history covering the 18th and 19th centuries.

**HIST-7318(6) / HIST 7680 MODERN EAST CENTRAL EUROPE** A study of nationalism and communism in the nineteenth and twentieth centuries - "western" attitudes towards the area will also be discussed. Excludes the Soviet Union.

#### **MODERN EUROPEAN**

**HIST-7210(6) / HIST 7510 EARLY MODERN EUROPEAN HISTORY** A seminar which studies early modern Europe from the perspectives of new approaches to historiography.

**HIST-7302(6) / HIST 7520 THE AGE OF ENLIGHTENMENT** Emphasis on eighteenth century French intellectual history and its relationship to the origins and course of the French Revolution. Some reading knowledge of French is almost essential.

**HIST-7305(6) / HIST 7550 TWENTIETH-CENTURY EUROPE** An analysis of selected problems in the recent history of Europe.

**HIST-7306(6) / HIST 7660 NINETEENTH-CENTURY EUROPE** An analysis of selected problems in the nineteenth-century European history.

**HIST-7902(6) / HIST 7690 POST-NEWTONIAN SCIENTIFIC THOUGHT** Selected topics in the history of the physical, geological and biological sciences from the time of Newton through to the early 20th century. The relationships of scientific ideas to other philosophical, religious and social developments will be emphasized throughout.

#### **MODERN WORLD**

**HIST-7106(6) / HIST 7920 POPULAR RADICALISM IN THE MODERN WORLD** Selected topics in the history of popular movements of social and political

**HIST-7002(3) / HIST 7774 INDEPENDENT STUDY / READING** The content of this course varies. It is an advanced, independent reading/study course for graduate students on a topic of particular interest to the student. Normally this topic is not offered in existing courses. Students may repeat this course for credit in the following conditions:

undertaken and arranged by a student in consultation with a prospective instructor, upon the approval of the Graduate Chair.

**Note:** 425 0 Td (e) Tj; 245 5 Td (a) Tj; 445 8 Tj; 70516 0 Td (a) Tj; 7.98 Tf (N) 15 7.98 Ts

**HIST-7003(6) / HIST 7770 SELECTED TOPICS** A program of independent reading and/or research on selected topics,

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## MASTER OF ARTS







cultural diversity underscores the critical need for protecting biodiversity and Indigenous cultures. The course addresses worldwide concerns regarding the loss of biological and cultural diversity. The central premise of the course is the interrelationship between Indigenous people and their environment. The course provides comprehensive reading material and learning strategies for developing a holistic understanding of the current global trends on conservation

and bioprospecting activities. The course discusses strategies and mechanisms for the protection of Indigenous peoples' ancestral rights to traditional knowledge and biological resources. There are different and more stringent requirements for students enrolled at the 7xxx level.

**PREREQUISITES:** Admittance into MA program **OR** instructor's permission





professions in the social service sector and to standardized family therapy assessment instruments. The student is also introduced to the concepts and methods associated with writing standardized reports.

**6) Post-Traumatic Stress Assessment** This course introduces the student to the impact of acute and chronic trauma on individuals, couples, families and social systems. Specific attention will be given to etiology, assessment and treatment from a biophysical systemic perspective.

**7) Working with Families and Serious Mental Illness (SMI)** This course reviews the history of family treatment in SMI treatment, the impact of SMI on the family, the needs of these families and finally new developments and best practices in this area. Registrants normally complete one practicum (or the equivalent) before registering for this course.

**MFT-7565(1) Spirituality and Family Therapy** The goals of this course include training in opening a dialogue with individuals and families about spiritual issues, discerning when a referral may be appropriate, expanding an awareness of wisdom traditions through comparative religious material, and identifying from current practice many of the spiritual issues that arise in the clinical setting.

**MFT-7571(2) Abuse in the Family – Theory:** This first part of the Abuse course offers an understanding of how trauma impacts on our clients at the level of their bodies, their cognitions, and their relationships within the life cycle. It also attends to how different ideas and theoretical perspectives about healing shape clients' and therapists' ability to learn how to cope in healthy ways. Included is attention to how culture, gender, spirituality and other beliefs shape our approaches to healing.

**PREREQUISITE:** MFT-7552(4) Survey of Family Therapy Theories

**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) Family Reconstruction** With a better understanding of their family of origin through re-experiencing key events and learnings in their family history, participants gain new perspectives on past experience in order to change patterns that are no longer useful. This transformation creates room to discover and accept one's own personhood and the personhood of significant others. No letter grade is given; only pass or fail.

**MFT-7576(2) Death in the Family** The course aims to provide the participants with insight into the dynamics of grief in response to change, loss and death. Students have the opportunity to develop the skills needed to work with individuals, families and groups. Participants are invited to process their own personal and professional experient

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**Master of Arts  
Peace and Conflict Studies (PACS)**

Updated: March









# MASTER OF ARTS RELIGION (REL / RLG N)

Updated March 6, 2012

Note: The University of Manitoba department/program code RLG N replaces the former code 020. Students cannot hold credit in RLG N XXX0 and the former 020.XXX having the same course number (e.g. RLG N 7040 and 020.704).

Graduate Chair - The University of Winnipeg  
Chair - Joint Discipline Committee - The University of Manitoba

Dr. A. Welter  
Dr. D. Drewes

The Department of Religion at the University of Manitoba and the Department of Religion & Culture (formerly Religious Studies) at The University of Winnipeg offer a joint Master of Arts program. The following are eligible to apply for admission to the program: graduates of the University of Manitoba holding a Honours BA degree in Religion; graduates of The University of Winnipeg holding an Honours or a 4-Year BA in Religion & Culture (Religious Studies); students who hold degrees equivalent to the Honours BA in Religion from other recognized universities or colleges; students who have completed a recognized pre-Master's program in Religion. Students who have courses with equivalent content or cognate courses in recognized departments or faculties other than Religion or Religious Studies may be given credit for up to 12 credit hours toward 25 0 Td (e)Tj 4.44849 0 Td ( )Tj 2.2247







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For more information about the eligibility criteria and to request a registration package, please contact the Program Assistant at [infoesp@uwinnipeg.ca](mailto:infoesp@uwinnipeg.ca), or phone 982-1818. To check the current course offerings and to download an application package, consult the ESP web site



## 5. Centre for Distributed/Distance Learning (CDDL)

<http://ddl.uwinnipeg.ca>

The Centre for Distributed/Distance Learning is now a part of the new Centre for Teaching, Learning and Technology.

### a. Web Based TV Courses\*

For the current course lectures including a playback list via Web Based TV, please visit Video on Demand on the internet at:  
[vod.uwinnipeg.ca](http://vod.uwinnipeg.ca)

Video on Demand courses use the internet as the primary delivery method. The "Studio" class lectures (instructor and students) are recorded live and seamlessly streamed online for playback by students or download to your desktop or video iPod. Students require high-speed internet access. Web Based TV





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n. **The Institute for Women's and Gender Studies**

Supported by funding from the Margaret Laurence Endowment for Women's Studies, the Institute for Women's and Gender Studies was created with a mandate to strengthen and facilitate the development of Women's and Gender Studies in the University and the community. The Institute encourages and supports teaching, community education, research and scholarship which further an 25 0T d (e)Tj 4.44849 0 Td (a)Tj 4.448.44849 0 Td (a)Tj 4.44d (t)T061 0 Td (r)Tj 2.64505 0 Td ( )Tj 4.02769 0 Td (t)Tj 2.2



**Bioproducts and Biosystems Engineering**

**Biol BIOL-1115(3)** Cells and Cellular Processes, **BIOL-1116(3)** Evolution, Ecology and Biodiversity (recommended), **BIOL-3221(3)** Cell Biology

**Chem CHEM-1111(3)** Introduction to the Chemical Properties of Matter, **CHEM-1112(3)** Basic Principles of Chemical Reactivity

**Math MATH-1101(6)** Introduction to Calculus or **MATH-1103(on**

