

## XII. COURSE DESCRIPTIONS

### Course Labelling and Levels

Each course is identified by a two-part code. The first part of the code refers to the subject area, the second to the level of the course. Thus, the course PSYC\*3570 is a course in the subject area of Psychology (PSYC\*XXXX), and is of a level that places it among courses in the 3000 series. The series 1000, 2000, 3000 and 4000 numbers are intended to indicate progressively more demanding content, and correspondingly increasing competence on the part of the students enrolled in the course. Courses in the 1000 series are mainly for first year students, those in the 2000 series are mainly for second year students, and those in the 3000 series are for third year students. Similarly, courses in the 4000 series are mainly intended to be taken by students in the fourth year of honours programs. It is important that students planning their courses have clearly in mind the significance of these numbers so that they may guard against undertaking course work at levels for which they are insufficiently prepared. A two-semester course (e.g. HK\*4441/2) is taken over 2 continuous semesters and counts as 1 course attempt per semester for classification, continuation of study and calculation of fees. Two-semester courses cannot be split.

### Course Information

Following the title of the course, the University's intention to offer the course in specific semesters during the academic year is displayed. For example, "Fall and Winter" or "Fall Only." Although courses normally will be offered in the semester indicated, students preparing their course programs are advised to consult the Undergraduate Course Timetable. The University cannot guarantee that all courses will be offered in the exact semester indicated. The letter U indicates that an intended offering has not been assigned to the course. Students should consult the Undergraduate Course Timetable posted on WebAdvisor or contact the departments offering those courses to determine the semester offerings.

Following the semester designation, a general guide to the lecture and laboratory contact hours per week are indicated in parentheses. For example, (LEC: 3, LAB: 2) indicates 3 hours of lecture per week and 2 hours of lab per week. If only one of LEC or LAB is displayed, this indicates there is only lecture or lab. For example, (LAB: 3) indicates there is a 3 hour lab and no other scheduled contact hours. If no LEC or LAB is displayed, this indicates there are no scheduled contact hours. Lecture may also refer to a tutorial or seminar component.

The credit weight for each course appears in brackets [ ]. A credit weight of [0.50] indicates 10-12 student effort hours, including class time, on academic tasks associated with the course. Offering(s) indicates where a course is either offered through distance education format only or has an additional offering in distance education format. Department indicates the academic department or school responsible for the course delivery. Location refers to the campus where the course is delivered.

Detailed course descriptions are maintained at the office of the department offering the course. Some courses, designated "Experiential Learning" courses in the Calendar description, are deliberately designed to accommodate the need to grant academic credit for experiential learning external to regular courses, in such contexts as co-operative education, field observation/job shadowing, internship/externships, practical, service learning, or work study (and other approved experience). Prior approval for admission to these courses must be obtained from the department and instructor concerned.

### Course Prerequisites

In lists of course prerequisites, "or" conditions are spelled out explicitly, but "and" conditions are indicated with a comma ",". For example: "BIOC\*2580, BIOL\*1080, MBG\*2040" means "BIOC\*2580 and BIOL\*1080 and MBG\*2040". A number of courses have stated prerequisites which are prior requirements for entry to the course. Students who do not satisfy course prerequisites, or who in the opinion of the instructor do not possess an equivalent background to that of the stated prerequisites, are not eligible to enroll in the course. When some specific background is desirable but not required, the course description will include a statement of recommended background. It is understood that the instructor may accept equivalent courses from other institutions in place of the stated prerequisites. Students who wish to enroll in courses for which they do not have the stated prerequisite(s) must obtain instructor approval as outlined in Chapter VIII, Undergraduate Degree Regulations and Procedures, in this Calendar.

### Course Equates and Restrictions

**Equates** - Equate indicates a course identical to the one under which it is listed. The course may have been re-numbered or may be cross-listed under two subject areas. **Students will not be permitted to register in equated courses.**

**Restrictions** - A restriction is a "rule" that is placed on the computer system (Colleague) at the direction of an academic department so that particular students may not register in particular courses. The course may be restricted because there is sufficient over-lap in content with another course so that it is inappropriate for the student to take a similar course for credit. In a different instance, the course may be restricted by "Instructor Consent" so that the student must discuss the special requirements of the course with the instructor before enrolling. Or, alternatively, the restriction may reflect a "Priority Access" designation for enrolment management purposes. (See Priority Access).

### A

- Accounting (ACCT) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/acct/>)
- Agriculture (AGR) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/agr/>)
- Animal Science (ANSC) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/ansc/>)
- Anthropology (ANTH) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/anth/>)
- Arabic (ARAB) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/arab/>)
- Art History (ARTH) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/arth/>)
- Arts and Sciences (ASCI) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/asci/>)

### B

- Biochemistry (BIOC) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/bioc/>)
- Biology (BIOL) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/biol/>)
- Biomedical Science (BIOM) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/biom/>)

- Black Canadian Studies (BLCK) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/blck/>)
- Botany (BOT) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/bot/>)
- Business (BUS) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/bus/>)

## C

- Chemistry (CHEM) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/chem/>)
- Chinese (CHIN) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/chin/>)
- Classical Studies (CLAS) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/clas/>)
- Co-operative Education (COOP) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/coop/>)
- Computing and Information Science (CIS) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/cis/>)
- Creative Arts, Health and Wellness (CREA) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/crea/>)
- Creative Writing (CRWR) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/crwr/>)
- Criminal Justice and Public Policy (CJPP) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/cjpp/>)
- Crop Science (CROP) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/crop/>)
- Culture and Technology Studies (CTS) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/cts/>)

## E

- Economics (ECON) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/econ/>)
- Engineering (ENGG) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/engg/>)
- English (ENGL) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/engl/>)
- Environmental Design and Rural Development (EDRD) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/edrd/>)
- Environmental Management (ENVM) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/envm/>)
- Environmental Sciences (ENVS) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/envs/>)
- Equine (EQN) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/eqn/>)
- European Studies (EURO) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/euro/>)
- External Courses - Seneca (XSEN) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/xsen/>)

## F

- Family Relations and Human Development (FRHD) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/frhd/>)

- Finance (FIN) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/fin/>)
- Food Science (FOOD) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/food/>)
- Food, Agricultural and Resource Economics (FARE) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/fare/>)
- French Studies (FREN) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/fren/>)

## G

- Geography (GEOG) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/geog/>)
- German Studies (GERM) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/germ/>)
- Greek Studies (GREK) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/grek/>)

## H

- History (HIST) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/hist/>)
- Horticultural Science (HORT) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/hort/>)
- Hospitality and Tourism Management (HTM) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/htm/>)
- Human Health and Nutritional Sciences (HHNS) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/hhns/>)
- Human Kinetics (HK) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/hk/>)
- Human Resources and Organizational Behaviour (HROB) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/hrob/>)
- Humanities (HUMN) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/humn/>)

## I

- Indigenous Environmental Science (IES) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/ies/>)
- Indigenous Studies (INDG) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/indg/>)
- Integrative Biology (IBIO) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/ibio/>)
- Interdisciplinary Agriculture, Environment and Food (IAEF) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/ieaf/>)
- Interdisciplinary Physical Science (IPS) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/ips/>)
- Interdisciplinary Social Science (ISS) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/iss/>)
- Interdisciplinary University (UNIV) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/univ/>)

- International Development Studies (IDEV) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/idev/>)
- Italian Studies (ITAL) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/ital/>)

## J

- Justice and Legal Studies (JLS) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/jls/>)

## L

- Landscape Architecture (LARC) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/larc/>)
- Latin (LAT) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/lat/>)
- Linguistics (LING) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/ling/>)

## M

- Management (MGMT) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/mgmt/>)
- Marketing and Consumer Studies (MCS) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/mcs/>)
- Mathematics (MATH) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/math/>)
- Microbiology (MICR) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/micr/>)
- Molecular and Cellular Biology (MCB) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/mcb/>)
- Molecular Biology and Genetics (MBG) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/mbg/>)
- Music (MUSC) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/musc/>)

## N

- Nanoscience (NANO) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/nano/>)
- Neuroscience (NEUR) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/neur/>)
- Nutrition (NUTR) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/nutr/>)

## O

- One Health (ONEH) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/oneh/>)
- Organic Agriculture (OAGR) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/oagr/>)

## P

- Pathology (PATH) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/path/>)
- Philosophy (PHIL) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/phil/>)

- Physics (PHYS) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/phys/>)
- Plant Biology (PBIO) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/pbio/>)
- Political Science (POLS) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/pols/>)
- Population Medicine (POPM) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/popm/>)
- Portuguese (PORT) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/port/>)
- Psychology (PSYC) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/psyc/>)

## R

- Real Estate and Housing (REAL) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/real/>)

## S

- Sexualities, Genders and Social Change (SXGN) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/sxgn/>)
- Sociology (SOC) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/soc/>)
- Sociology and Anthropology (SOAN) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/soan/>)
- Spanish and Hispanic Studies (SPAN) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/span/>)
- Sport and Event Management (SPMT) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/spmt/>)
- Statistics (STAT) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/stat/>)
- Studio Art (SART) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/sart/>)

## T

- Theatre Studies (THST) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/thst/>)
- Toxicology (TOX) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/tox/>)

## V

- Veterinary Medicine (VETM) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/vetm/>)

## W

- Women's Studies (WMST) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/wmst/>)

## Z

- Zoology (ZOO) (<https://calendar.uoguelph.ca/undergraduate-calendar/course-descriptions/zoo/>)