



FACULTY OF HUMANITIES AND SOCIAL SCIENCES

SCHOOL OF HISTORY, PHILOSOPHY, POLITICAL SCIENCE AND INTERNATIONAL RELATIONS

PHILOSOPHY PROGRAMME

PHIL 421: Formal Logic

15 POINTS

TRIMESTER 2 2014

Important dates

Trimester dates: 14 July to 16 November 2014

Teaching dates: 14 July to 17 October 2014

Mid-trimester break: 25 August to 7 September 2014

Study week: 20–24 October 2014

Examination/Assessment Period: 24 October to 15 November 2014

Note: students who enrol in courses with examinations must be able to attend an examination at the University at any time during the scheduled examination period.

Withdrawal dates: Refer to www.victoria.ac.nz/students/study/withdrawals-refunds. If you cannot complete an assignment or sit a test or examination, refer to www.victoria.ac.nz/students/study/exams/aegrotats.

Class times and locations

Lectures: Monday 2:10-4.00 pm
Venue: Murphy (MY)617

Names and contact details

Course Coordinator: Edwin Mares
Room No: Murphy 618
Phone: (04) 46352334
Email: Edwin.Mares@vuw.ac.nz
Office hours: By Appointment

Communication of additional information

All additional information will be given in lectures and placed on Blackboard. This course uses Blackboard and presumes that all enrolled students have valid myvuw.ac.nz addresses. Please

check that this account is active and you have organised email forwarding. Additional information and any changes to the timetable or lecture and seminar programme will be advised by email, announced in lectures, and posted on the course Blackboard site.

Prescription

This course will be an introduction to standard model and proof theory.

Course Content

This course will cover the proof theory for a class of nonstandard logical systems called *substructural logics* and the Gentzen systems for intuitionist and classical logic. We will also cover basic model theory for some simple substructural logics.

Course learning objectives (CLOs)

Students who pass this course will be able to:

1. Understand and construct inferences using a wide range of proof theoretic techniques for different logical systems;
2. Understand and construct model theories for a wide range of logical systems;
3. Understand where the use of a logical system is appropriate to apply to other academic or real world problems.

Teaching format

PHIL 421 is taught in one 110-minute lecture per week. A Lecture Programme is on Blackboard.

Mandatory course requirements

The only mandatory course requirement is to achieve an overall pass mark of 50%.

Workload

This course has been designed on the assumption that students will devote approximately 150 hours to it throughout the trimester. This is an average of 10.7142 hours per week across the 14 weeks of trimester. This includes attendance at 12 lectures. The remainder of your time will need to be shared between doing homework, revising for tests or the final exam and making progress on assignments.

Assessment

Assessment items and workload per item	%	CLO(s)	Due date
1 Test 1 (1 hour)	20%	1	18 August
2 Test 2 (1 hour)	20%	1,2	22 September
3 Assignment (will consist of several logic exercises and a small project to produce a sequent calculus and prove some theorems about it)	20%	1,2,3	6 October
4 Final Exam	40%	1,2,3	During final exam period

Submission and return of work

The assignment should be submitted in hard copy to me in lecture on at the school office, Murphy MY518. When marked, assignments will initially be returned to you in lectures. Marked

assignments and tests will after that be available from the School Office Murphy (MY518), between 2.00-3.00 pm Monday-Friday.

Extensions and penalties

Extensions

Extensions can be granted only with the prior approval of the course coordinator, and only in exceptional circumstances. Having lots of other assignments due around the same time is no excuse; plan ahead. If granted an extension, students must agree to a new due date. Contact Professor Ed Mares as soon as a problem emerges. There will be no make-up test for the in-class test.

Penalties

Late submission of research essays and proposals will not be accepted unless the student makes an appointment as soon as practically possible with the course coordinator to explain the lateness (ideally before the deadline for submission of the assessment task). The circumstances under which an extension will be considered are outlined in section 3.2.1 of the Assessment Handbook. (see: www.victoria.ac.nz/documents/policy/staff-policy/assessment-handbook.pdf).

Set texts

The readings for the course are a set of notes produced by the instructor and other readings available on Blackboard.

Class representative

The class representative provides a useful way to communicate feedback to the teaching staff during the course. A class representative will be selected at the first lecture of the course. Students may like to write the Class Rep's name and details in this box:

Class Rep name and contact details:

Student feedback

Enhancements made to this course, based on the feedback of previous students, will be covered during the course.

Student feedback on University courses may be found at www.cad.vuw.ac.nz/feedback/feedback_display.php.

Other important information

The information above is specific to this course. There is other important information that students must familiarise themselves with, including:

- Academic Integrity and Plagiarism: www.victoria.ac.nz/students/study/exams/integrity-plagiarism
- Aegrotats: www.victoria.ac.nz/students/study/exams/aegrotats
- Academic Progress: www.victoria.ac.nz/students/study/progress/academic-progress (including restrictions and non-engagement)
- Dates and deadlines: www.victoria.ac.nz/students/study/dates
- FHSS Student and Academic Services Office: www.victoria.ac.nz/fhss/student-admin
- Grades: www.victoria.ac.nz/students/study/progress/grades
- Resolving academic issues: www.victoria.ac.nz/about/governance/dvc-academic/publications

- Special passes: www.victoria.ac.nz/about/governance/dvc-academic/publications
- Statutes and policies including the Student Conduct Statute: www.victoria.ac.nz/about/governance/strategy
- Student support: www.victoria.ac.nz/students/support
- Students with disabilities: www.victoria.ac.nz/st_services/disability
- Student Charter: www.victoria.ac.nz/learning-teaching/learning-partnerships/student-charter
- Student Contract: www.victoria.ac.nz/study/apply-enrol/terms-conditions/student-contract
- Subject Librarians: <http://library.victoria.ac.nz/library-v2/find-your-subject-librarian>
- Turnitin: www.cad.vuw.ac.nz/wiki/index.php/Turnitin
- University structure: www.victoria.ac.nz/about/governance/structure
- Victoria graduate profile: www.victoria.ac.nz/learning-teaching/learning-partnerships/graduate-profile
- VUWSA: www.vuwsa.org.nz