



**SCHOOL OF HISTORY, PHILOSOPHY, POLITICAL SCIENCE AND INTERNATIONAL
RELATIONS**

Philosophy Programme
PHIL 421 Formal Logic
2009 TRIMESTER 1
2 March to 5 June 2009

Lecturers:

Edwin Mares (Course Coordinator)
Office: Murphy MY618
Phone: 463-5234
Email: Edwin.Mares@vuw.ac.nz
Office Hours: Monday 1-2pm, Thursday 2-3pm

Lecture Times: 11:00am-12:30pm, Wednesday
Location: TBA

Course Delivery

This course will be delivered as lectures. Student participation is welcome during the lectures.

Communication of additional information

Any additional information or changes to the course structure or content will be listed on the Blackboard site for this course.

Course content

This is a course on substructural logics. The students will be introduced to substructural logic through its proof theory and model theory. We will begin with natural deduction systems for relevant logic and related logical systems and then move to Gentzen-style sequent calculi for these logics. We will end by examining the Routley-Meyer model theory for these systems. Among the key theorems that we will discuss are the equivalence theorems for the various different proof theories and the completeness theorem for the proof theory over the model theory.

Learning objectives

Students passing the paper should be able to prove theorems in the proof systems for the various logics that we study and to be able to prove the key metatheorems for these logics.

Graduate attributes

PHILOSOPHY

As with all PHIL courses, learning objectives of this course contribute to the attainment of specific attributes in the areas of logical and critical thinking, conceptual analysis and rational and ethical decision-making. Please consult the Programme Prospectus 2009, p. 7, for more details or on our website <http://www.victoria.ac.nz/phil/degrees/index.aspx>

Expected workload

In accordance with Faculty Guidelines, this course has been constructed on the assumption that students will devote 12.5 hours per week to PHIL 421. This includes 1.5 hours of lectures per week.

Readings

Essential texts:

The central readings are in the course textbook:

Greg Restall, *An Introduction to Substructural Logics*, London: Routledge, 2000.

Copies of the readings can be borrowed from the instructor.

Assessment requirements

Final grades will be based on one tests one final exam, and two short assignments. The final exam is worth 40%, the test is worth 30%, and each assignment is worth 15%.

Dates:

1st Assignment due: 8 April

Test: 29 April

2nd Assignment due: 27 May

Final Exam: during the final exam period at the end of the trimester.

Return of assignments

Grades for students' essays will be available to them through Blackboard and the physical essays will be available for collection in the school office after they have been graded.

Penalties

Students will be penalised for late submission of assignments – a deduction of 5% for the first day late, and 2% per day thereafter, up to a maximum of 8 days. Work that is more than 8 days late can be accepted for mandatory course requirements but will not be marked. However, penalties may be waived if there are valid grounds (for example, illness [presentation of a medical certificate will be necessary] or similar other contingencies). In all such cases, prior information will be necessary.

Mandatory course requirements

To gain a pass in this course, students must submit at least one of the assignments and obtain a weighted average of at least 50% in the course material overall.

Academic integrity and plagiarism

Academic integrity means that university staff and students, in their teaching and learning are expected to treat others honestly, fairly and with respect at all times. It is not acceptable to mistreat academic, intellectual or creative work that has been done by other people by representing it as your own original work.

Academic integrity is important because it is the core value on which the University's learning, teaching and research activities are based. Victoria University's reputation for academic integrity adds value to your qualification.

The University defines plagiarism as presenting someone else's work as if it were your own, whether you mean to or not. 'Someone else's work' means anything that is not your own idea. Even if it is presented in your own style, you must acknowledge your sources fully and appropriately. This includes:

- Material from books, journals or any other printed source
- The work of other students or staff
- Information from the internet
- Software programs and other electronic material
- Designs and ideas
- The organisation or structuring of any such material

Find out more about plagiarism, how to avoid it and penalties, on the University's website: <http://www.victoria.ac.nz/home/study/plagiarism.aspx>

GENERAL UNIVERSITY POLICIES AND STATUTES

Students should familiarise themselves with the University's policies and statutes, particularly the Assessment Statute, the Personal Courses of Study Statute, the Statute on Student Conduct and any statutes relating to the particular qualifications being studied; see the *Victoria University Calendar* or go to the Academic Policy and Student Policy sections on:

<http://www.victoria.ac.nz/home/about/policy>

This website also provides information for students in a number of areas including Academic Grievances, Student and Staff conduct, Meeting the needs of students with impairments, and student support/VUWSA student advocates.