



SCHOOL OF HISTORY, PHILOSOPHY, POLITICAL SCIENCE AND INTERNATIONAL RELATIONS

**PHILOSOPHY
PHIL335 LOGIC**

TRIMESTER 2 2010
12 July to 13 November 2010

Trimester dates

Teaching dates: 12 July 2010 to 15 October 2010

Mid-trimester break: 23 August to 5 September 2010

Study week: 18 June to 22 October 2010

Examination/Assessment period: 22 October to 13 November 2010

Note: Students must be able to attend an examination at the University at any time during the formal examination period.

Withdrawal dates

Information on withdrawals and refunds may be found at

<http://www.victoria.ac.nz/home/admisenrol/payments/withdrawalsrefunds.aspx>

Lecturer:

Edwin Mares

Murphy 618

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Email: Edwin.Mares@vuw.ac.nz

Office Hours: Tuesday-Thursday 11-12am

Class times and locations

Lectures:

Tuesday and Thursday 9:00-11am

Venue: Murphy 632

There are no separate tutorials. Homework exercises will be given out in Thursday's lecture and discussed during the first hour of Tuesday's lecture.

Course delivery

The course is delivered in lectures, but student discussion is encouraged, both when students do not understand and when they want to discuss a point further.

Communication of additional information

Additional information will be announced in lectures and posted on the blackboard site for this course.

Course content

This is a course on non-classical logic. It assumes that students are familiar with the basic concepts of logic, covered in a course such as PHIL 211. This course discusses modal logic, which adds to the standard logic two new connectives: necessity and possibility. It also discusses a range of logics that deal with the conditional of ordinary language, with “gaps” (statements that are neither true nor false), with “gluts” (statements that are both true and false), and with a strong notion of relevance that is supposed to hold between premises and conclusions in valid arguments. In addition, it will teach students some metatheory – proving theorems *about* a logical system rather than proving formulas valid within a logical system.

Learning objectives

Students passing the course should be able to prove theorems in a variety of non-classical logical systems and to gain the tools to assess logical systems. In particular, any student passing this course should understand at least in broad outline the standard completeness proof for modal logic.

Graduate attributes

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. For more details please consult our website www.victoria.ac.nz/phil/degrees/index.aspx

Expected workload

One point typically equates to 10 hours of work. For a 20-point course, the 200 hours should be spread evenly over the 12 week trimester, break, study week and exam period. Obviously the time spent on work outside class will be an estimate for an average student but it will provide the basis for discussion when the reality is far from the expectation.

Readings

Essential texts:

Textbook: Graham Priest, *An Introduction to Non-Classical Logic: From If to Is*, second edition, Cambridge: Cambridge University Press, 2008 (Available from Vicbooks in the Student Union Building)

Customers can order textbooks and student notes online at www.vicbooks.co.nz or can email an order or enquiry to enquiries@vicbooks.co.nz. Books can be couriered to customers or they can be picked up from nominated collection points at each campus. Customers will be contacted when they are available.

Opening hours are 8.00 am – 6.00 pm, Monday – Friday during term time (closing at 5.00 pm in the holidays). Phone: 463 5515.

Assessment requirements

The assessment consists of two in-class tests and a final exam. Each test is worth 25%. The final exam is worth 50% of the final grade. The tests are 1 hour long.

1. Test 1 (mainly on modal and intuitionist logic): 10 August
2. Test 2: (mainly on many-valued and relevant logic): 16 September
3. Final Exam. Covers material from the entire semester: during the exam period 22 October-13 November.

There will be weekly homework assignments, but these will not be assessed. Instead, answers will be given in class and the lecturer will show how to work out solutions.

Class Representative

A class representative will be elected in the first class, and that person's name and contact details will be available to VUWSA, the Course Coordinator and the class. The class representative provides a communication channel to liaise with the Course Coordinator on behalf of students.

Statement on legibility

Students are expected to write clearly. Where work is deemed 'illegible', the options are:

- the student will be given a photocopy of the work and asked to transcribe it to an acceptable standard (preferably typed) within a specified time frame after which penalties will apply;
- the student will be given a photocopy of the work and asked to transcribe it to an acceptable standard (preferably typed) and lateness penalties apply;

- if the student does not transcribe it to an acceptable standard, the work will be accepted as 'received' (so any associated mandatory course requirements are met) but not marked.

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>

The AVC(Academic) 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. This website can be accessed at:

http://www.victoria.ac.nz/home/about_victoria/avcademic/Publications.aspx