



**FACULTY OF HUMANITIES AND SOCIAL SCIENCES**

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

**POLITICAL SCIENCE AND INTERNATIONAL RELATIONS PROGRAMME**

**PHIL 335: Logic**

**TRIMESTER 2 2012**

**16 July to 17 November 2012**

**Trimester dates**

Teaching dates:	16 July to 19 October 2012
Mid-trimester break:	27 August to 9 September 2012
Study week:	22–26 October 2012
Examination/Assessment Period:	26 October to 17 November 2012

**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 above.*

**Withdrawal dates**

Information on withdrawals and refunds may be found at

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

**Names and contact details**

Course Coordinator:	Professor Ed Mares
Room No.:	Murphy (MY) 618
Email:	<a href="mailto:edwin.mares@vuw.ac.nz">edwin.mares@vuw.ac.nz</a>
Office hours:	Monday 1:30-2:30

**Class times and locations**

Can be found on the Victoria website at:

<http://www.victoria.ac.nz/home/study/subjects/coursecatalogue.aspx>

It is advisable to check the above for any changes to the timetable programme.

**Lecture Time and Venue:** Tuesday 11.00 – 12.50 pm in Murphy (MY) LT101  
Friday 1.10 – 3.00 pm in Murphy (MY) LT102

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

**Teaching learning summary**

The course is delivered in two two-hour 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

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 tutorial programme will be advised by email, announced in lectures, and posted on the PHIL 335 Blackboard site.

### Course prescription

This course covers central systems of extra-classical and non-classical (or 'deviant') logic. A selection of the following logics will be studied in this course: temporal logic, modal logic, intuitionist logic, relevant logic and many-valued logic.

### 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 who pass this course should be able to:

1. prove theorems in a variety of non-classical logical systems
2. gain the tools to assess logical systems
3. understand at least in broad outline the standard completeness proof for modal logic.

### Graduate attributes

As with all Philosophy 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

<http://www.victoria.ac.nz/hppi/about/overview-of-the-school/phil-overview#grad-attributes>

### Expected workload

In accordance with Faculty Guidelines, this course has been constructed on the assumption that students will devote 200 hours to PHIL 335 throughout the trimester. This includes weekly attendance at lectures, and tutorial, completion of all set weekly readings and research and writing for set assessment tasks.

### Readings

#### Set texts:

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)

All undergraduate textbooks and student notes will be sold from the Memorial Theatre foyer from 9–27 July 2012, while postgraduate textbooks and student notes will be available from the top floor of vicbooks in the Student Union Building, Kelburn Campus. After week two of the trimester all undergraduate textbooks and student notes will be sold from vicbooks on Level 4 of the Student Union Building.

Customers can order textbooks and student notes online at [www.vicbooks.co.nz](http://www.vicbooks.co.nz) or can email an order or enquiry to [enquiries@vicbooks.co.nz](mailto: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 natural deduction and modal logic): 14 August
2. Test 2: (mainly on intuitionist, many-valued and relevant logic): 25 September
3. Final Exam. Covers material from the entire trimester: during the exam period 26 October-17 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.

### **Penalties**

Philosophy Programme policy stipulates that late submission of essays is penalised. **Students lose 5% for the first day late and 2% thereafter for a maximum of 10 weekdays.** After 10 days, work can be accepted for mandatory course requirements but will not be marked. Extensions may be granted in exceptional circumstances, but **all extensions require the student to provide documentation.** If granted an extension, students must agree to a new due date. Contact your lecturer as soon as a problem emerges. Extension forms are available in the School office.

### **Mandatory course requirements**

None.

### **Return of marked course work**

Essays and tests will be returned at times to be advised. If students fail to attend these times, they may collect their essay from the School Office, Room 518, Murphy Building between the hours of 2.00 and 3.00 pm from Monday to Friday and must show their Student ID card before collection.

### **Class representative**

A class representative will be elected in the first week, 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>

### **Use of Turnitin (*only for courses which make use of Turnitin*)**

Student work provided for assessment in this course may be checked for academic integrity by the electronic search engine <http://www.turnitin.com>. Turnitin is an online plagiarism prevention tool which compares submitted work with a very large database of existing material. At the discretion of the Head of School, handwritten work may be copy-typed by the School and subject to checking by Turnitin. Turnitin will retain a copy of submitted material on behalf of the University for detection of future plagiarism, but access to the full text of submissions is not made available to any other party.

### **Where to find more detailed information**

Find key dates, explanations of grades and other useful information at [www.victoria.ac.nz/home/study](http://www.victoria.ac.nz/home/study). Find out how academic progress is monitored and how enrolment can be restricted at <http://www.victoria.ac.nz/home/study/academic-progress.aspx>. Most statutes and policies are available at [www.victoria.ac.nz/home/about/policy](http://www.victoria.ac.nz/home/about/policy), except qualification statutes, which are available via the *Calendar* webpage at [www.victoria.ac.nz/home/study/calendar.aspx](http://www.victoria.ac.nz/home/study/calendar.aspx) (See Section C).

Other useful information for students may be found at the Academic Office website, at [www.victoria.ac.nz/home/about\\_victoria/avcacademic](http://www.victoria.ac.nz/home/about_victoria/avcacademic).