TE WHARE WĀNANGA O TE ŪPOKO O TE IKA A MĀUI

VICTORIA
UNIVERSITY OF WELLINGTON

FACULTY OF HUMANITIES AND SOCIAL SCIENCES

SCHOOL OF HISTORY, PHILOSOPHY, POLITICAL SCIENCE AND INTERNATIONAL RELATIONS

PHILOSOPHY PROGRAMME
PHIL 334: Logic and Computation
20 POINTS

TRIMESTER 2 2013

Important dates

Trimester dates: 15 July to 17 November 2013

Teaching dates: 15 July to 18 October 2013

Mid-trimester break: 26 August to 8 September 2013

Last assessment item due: None of the internal assessment for the course will be accepted after the final day of lectures, 18 October 2013

Study period: 21–25 October 2013

Examination/Assessment Period: 25 October to 16 November 2013

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/home/admisenrol/payments/withdrawalsrefunds

If you cannot complete an assignment or sit a test or examination (aegrotats), refer to
www.victoria.ac.nz/home/study/exams-and-assessments/aegrotat

Class times and locations

Lectures: Wednesday 10.00 - 11.50 am, Friday 11.00 am-12.50 pm
Lecture Venue: Laby LT118

Names and contact details

Course Coordinator: Edwin Mares
Room No: Murphy 618
Phone: 463-5234
Email: Edwin.Mares@vuw.ac.nz
Office hours: By appointment

Communication of additional information

All changes or additions to the information given here will be made on the blackboard site for this course. 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.

Prescription

This course covers central results about the nature of logic, the nature of computation, and the relationships between the two. Topics treated may include basic set theory, proof theory and model theory of first order logic, Turing machines and the theory of computation, and the decision problem for first order logic.

Course learning objectives (CLOs)

Students who pass this course will be able to:

1. understand and explain key notions of modern set theory, including the notions of set, ordered pair, sequence, function, and infinity;
2. prove that there are different sizes of infinity and that there are sets that are not computably enumerable;
3. understand and explain why quantificational logic is undecidable.

Teaching format

The two-hour bi-weekly meetings will include some lecturing, plus discussion, and time for questions. There are no tutorials for this course. Students are expected to attend classes regularly, take part in class discussion, and keep up with the reading and homework.

Mandatory course requirements

Other than achieving an overall pass mark of 50% there are no mandatory course requirements.

Workload

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

Assessment

Assessment items and workload per item – PHIL 334		%	CLO(s)	Due date
1	1-hour in-class test	25%	1	16/8
2	1-hour in-class test	25%	2	4/10
3	Assignment	15%	1,2	18/10
4	Final Exam	35%	1,2,3	TBA

Submission and return of work

The assignment is to be turned in to me in lecture or to the school office (Murphy MY518) by 3pm on 18 October 2013.

Tests and assignments 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.

Penalties

No late assignments will be accepted without prior permission from the instructor or a doctor's note.

Set texts

Readings will be all available on blackboard in the course material section of the site for PHIL 334.

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.

Student feedback

There have been no changes to this 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/home/study/plagiarism
- Aegrotats: www.victoria.ac.nz/home/study/exams-and-assessments/aegrotat
- Academic Progress: www.victoria.ac.nz/home/study/academic-progress (including restrictions and non-engagement)
- Dates and deadlines: www.victoria.ac.nz/home/study/dates
- FHSS Student and Academic Services Office: www.victoria.ac.nz/fhss/student-admin
- Grades: www.victoria.ac.nz/home/study/exams-and-assessments/grades
- Graduate attributes: http://www.victoria.ac.nz/hppi/about/overview-of-the-school/phil-overview#grad-attributes
- Resolving academic issues: www.victoria.ac.nz/home/about/avcacademic/publications2#grievances
- Special passes: www.victoria.ac.nz/home/about/avcacademic/publications2#specialpass
- Statutes and policies including the Student Conduct Statute: www.victoria.ac.nz/home/about/policy
- Student support: www.victoria.ac.nz/home/viclife/studentservice
- Students with disabilities: www.victoria.ac.nz/st_services/disability
- Student Charter: www.victoria.ac.nz/home/viclife/student-charter
- Student Contract: www.victoria.ac.nz/home/admisenrol/enrol/studentcontract
- Turnitin: www.cad.vuw.ac.nz/wiki/index.php/Turnitin
- University structure: www.victoria.ac.nz/home/about
- VUWSA: www.vuwsa.org.nz