ARTS2375

Philosophical Logic

Semester One // 2018

Course Overview

Staff Contact Details

Convenors

Name	Email	Availability	Location	Phone
Michaelis Michael	m.michael@unsw.edu.au	Office Hours: Wednesday 10.00-11.00	Morven Brown Building, Room 325	+61293852183

School Contact Information

School of Humanities and Languages

Location: School Office, Morven Brown Building, Level 2, 258

Opening Hours: Monday - Friday, 9am - 4:45pm

Phone: +61 2 9385 1681

Fax: +61 2 9385 8705

Email: hal@unsw.edu.au

Attendance Requirements

A student is expected to attend all class contact hours for a face-to-face (F2F) or blended course and complete all activities for a blended or fully online course.

A student who arrives more than 15 minutes late may be penalised for non-attendance. If such a penalty is imposed, the student must be informed verbally at the end of class and advised in writing within 24 hours.

If a student experiences illness, misadventure or other occurrence that makes absence from a class/activity unavoidable, or expects to be absent from a forthcoming class/activity, they should seek permission from the Course Authority, and where applicable, their request should be accompanied by an original or certified copy of a medical certificate or other form of appropriate evidence.

A Course Authority may excuse a student from classes or activities for up to one month. However, they may assign additional and/or alternative tasks to ensure compliance. A Course Authority considering the granting of absence must be satisfied a student will still be able to meet the course's learning outcomes and/or volume of learning. A student seeking approval to be absent for more than one month must apply in writing to the Dean and provide all original or certified supporting documentation.

For more information about the attendance protocols in the Faculty of Arts and Social Sciences: https://www.arts.unsw.edu.au/current-students/academic-information/protocols-guidelines/

Academic Information

For essential student information relating to: requests for extension; review of marks; occupational health and safety; examination procedures; special consideration in the event of illness or misadventure; student equity and disability; and other essential academic information, see https://www.arts.unsw.edu.au/current-students/academic-information/protocols-guidelines/

Course Details

Credit Points 6

Summary of the Course

Subject Area: *Philosophy*

Logic is a wonderful achievement of the human mind. The development of logic as the study of argument and the way premises support conclusions was part and parcel of the development of philosophy. Logic is our attempt at reflecting on how we think, and our attempt to describe what it is like to think well. The idea that human consciousness became self conscious in this way a little over two millennia ago is an inspiring and daunting realisation. This subject introduces you to an important, enduring and growing part of philosophy. You are not assumed to have any background in logic or philosophy.

At the conclusion of this course the student will be able to

1. Explain some historically important, and some significant contemporary, philosophical ideas about the techniques for the analysis of argument
2. Display skills associated with scholarly inquiry in the subdiscipline of philosophical logic, particularly conceptual, analytical and critical analysis skills.
3. Assess English language arguments by translation into a number of formal languages.

Teaching Strategies

First, the teaching strategies used encourage analytic and critical thinking skills, as well as the skills of effective communication. You are encouraged to express and refine your own views of the topics discussed, and engage with the complexities of various approaches to philosophical problems.

Second, the content of the course encourages the development of a respect for diversity and intellectual fair-play, as you are required to engage deeply with viewpoints that you may strongly disagree with.

Third, the assessment package in the course is designed to allow you to develop analytic and critical thinking skills, research skills, and effective communication skills. It also allows you to enhance your ability to engage in creative problem solving and independent learning.

Fourth, all class tests and final formal exam are OPEN BOOK. Any printed, or written material may be brought into the test or exam. The idea is that these are testing understanding, not memory.

Assessment

Assessment Tasks

Assessment task	Weight	Due Date	Student Learning Outcomes Assessed
1st assessment task	15%	In Class Week 3	1,2
Class test	35%	In Class Test Week 9	2,3
Final exam	50%	TBA	1,2,3

Assessment Details

Assessment 1: 1st assessment task

Start date: 14/03/2018 03:00 PM

Length: One hour

Details: 1st assessment taskThis task is is an in class test and is very early in the student's experience of logic. This assessment allows us to get feedback back to students focussing on very basic concepts in logic. Students will receive feedback in class in the form of model answers.

Additional details:

This assessment takes place in class in Week 3.

Turnitin setting: This is not a Turnitin assignment

Assessment 2: Class test

Start date:

Length: 90 minutes

Details: This is an open book 90 minute class test which seeks to elicit understanding of key notions which may include Syllogistic logic, proof in propositional logic and one major metatheorem, the soundness theorem.Students get feedback in the form of in class explanations of which answers were correct and why.

Additional details:

This is a Class test of 90 minutes duration.

Turnitin setting: This is not a Turnitin assignment

Assessment 3: Final exam

Start date: Not Applicable

Length: Two hours

Details: Final examThis final two hour exam covers all the topics dealt with. This will usually involve first order logic and certain extensions of classical logic such as modal logic and some competing systems such as intuitionistic logic, free logic, and paraconsistent logic.This is the final assessment for attendance purposes.

Additional details:

This exam is externally scheduled and run by Examinations Board.

Turnitin setting: This is not a Turnitin assignment

Submission of Assessment Tasks

Students are expected to put their names and student numbers on every page of their assignments.

Turnitin Submission

If you encounter a problem when attempting to submit your assignment through Turnitin, please telephone External Support on 9385 3331 or email them on externalteltsupport@unsw.edu.au. Support hours are 8:00am – 10:00pm on weekdays and 9:00am – 5:00pm on weekends (365 days a year). If you are unable to submit your assignment due to a fault with Turnitin you may apply for an extension, but you must retain your ticket number from External Support (along with any other relevant documents) to include as evidence to support your extension application. If you email External Support you will automatically receive a ticket number, but if you telephone you will need to specifically ask for one. Turnitin also provides updates on their system status on Twitter.

Generally, assessment tasks must be submitted electronically via either Turnitin or a Moodle assignment. In instances where this is not possible, it will be stated on your course's Moodle site with alternative submission details.

Late Assessment Penalties

An assessed task is deemed late if it is submitted after the specified time and date as set out in the course Learning Management System (LMS).

The late penalty is the loss of 5% of the total possible marks for the task for each day or part thereof the work is late. Lateness will include weekends and public holidays. This does not apply to a task that is assessed but no mark is awarded.

Work submitted fourteen (14) days after the due date will be marked and feedback provided but no mark will be recorded. If the work would have received a pass mark but for the lateness and the work is a compulsory course component, a student will be deemed to have met that requirement. This does not apply to a task that is assessed but no mark is awarded.

Work submitted twenty-one (21) days after the due date will not be accepted for marking or feedback and will receive no mark or grade. If the assessment task is a compulsory component of the course a student will automatically fail the course.

Special Consideration Applications

You can apply for special consideration when illness or other circumstances interfere with your assessment performance.

Sickness, misadventure or other circumstances beyond your control may:

* Prevent you from completing a course requirement,

* Keep you from attending an assessable activity,

* Stop you submitting assessable work for a course,

* Significantly affect your performance in assessable work, be it a formal end-of-semester examination, a class test, a laboratory test, a seminar presentation or any other form of assessment.

For further details in relation to Special Consideration including "When to Apply", "How to Apply" and "Supporting Documentation" please refer to the Special Consideration webstie:
https://student.unsw.edu.au/special-consideration

Academic Honesty and Plagiarism

Plagiarism is using the words or ideas of others and presenting them as your own. It can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement.

UNSW groups plagiarism into the following categories:

Copying: using the same or very similar words to the original text or idea without acknowledging the source or using quotation marks. This also applies to images, art and design projects, as well as presentations where someone presents another's ideas or words without credit.

Inappropriate paraphrasing: changing a few words and phrases while mostly retaining the original structure and information without acknowledgement. This also applies in presentations where someone paraphrases another's ideas or words without credit. It also applies to piecing together quotes and paraphrases into a new whole, without referencing and a student's own analysis to bring the material together.

Collusion: working with others but passing off the work as a person's individual work. Collusion also includes providing your work to another student before the due date, or for the purpose of them plagiarising at any time, paying another person to perform an academic task, stealing or acquiring another person's academic work and copying it, offering to complete another person's work or seeking payment for completing academic work.

Inappropriate citation: Citing sources which have not been read, without acknowledging the "secondary" source from which knowledge of them has been obtained.

Duplication ("self-plagiarism"): submitting your own work, in whole or in part, where it has previously been prepared or submitted for another assessment or course at UNSW or another university.

Correct referencing practices:

- Paraphrasing, summarising, essay writing and time management
- Appropriate use of and attribution for a range of materials including text, images, formulae and concepts.

Individual assistance is available on request from The Learning Centre (http://www.lc.unsw.edu.au/). Students are also reminded that careful time management is an important part of study and one of the identified causes of plagiarism is poor time management. Students should allow sufficient time for research, drafting and proper referencing of sources in preparing all assessment items.

UNSW Library also has the ELISE tool available to assist you with your study at UNSW. ELISE is designed to introduce new students to studying at UNSW but it can also be a great refresher during your study.

Completing the ELISE tutorial and quiz will enable you to:

- analyse topics, plan responses and organise research for academic writing and other assessment tasks
- effectively and efficiently find appropriate information sources and evaluate relevance to your needs
- use and manage information effectively to accomplish a specific purpose

- better manage your time
- understand your rights and responsibilities as a student at UNSW
- be aware of plagiarism, copyright, UNSW Student Code of Conduct and Acceptable Use of UNSW ICT Resources Policy
- be aware of the standards of behaviour expected of everyone in the UNSW community
- locate services and information about UNSW and UNSW Library

Some of these areas will be familiar to you, others will be new. Gaining a solid understanding of all the related aspects of ELISE will help you make the most of your studies at UNSW. (http://subjectguides.library.unsw.edu.au/elise/aboutelise)

Course Schedule

[View class timetable](#)

Timetable

Date	Type	Content
Week 1: 26 February - 4 March	Lecture	**Introduction Arguments/Sentences/Premises/Conclusions** **Deductive arguments/Inductive arguments/default reasoning** **Formal systems as a model of our language/testing formal models** **Validity of Arguments** **Beginning Aristotle's Syllogistic logic**
Week 2: 5 March - 11 March	Lecture	**The Square of Opposition** **Aristotle and ontological commitment** **Validity testing by Venn Diagram** **Limitations of Syllogistic Logic** **Aristotle and the Stoics**
Week 3: 12 March - 18 March	Lecture	**Stoic Logic – the connections to epistemology and propositional logic** **Propositional Logic *L* – Syntax and Defining the notion of Proof** **The cases of conjunction and the conditional**
	Assessment	1st Assessment in Class. See Moodle for details
Week 4: 19 March - 25 March	Lecture	**Propositional Logic *L*** **The cases of disjunction and negation**
Week 5: 26 March - 1 April	Lecture	**Propositional Logic *L* – More on Proof**
Break: 2 April - 8 April		
Week 6: 9 April - 15 April	Lecture	**Semantics for *L* – using truth-tables to test for validity**
Week 7: 16 April - 22 April	Lecture	**Soundness Theorem for *L***
Week 8: 23 April - 29 April	Reading	**There is no class this week. Public Holiday Wednesday 25th April.** **Read and work through the sections on the text as directed on Moodle. These will cover: What is Completeness? What is Soundness?**

		Meaning and Proof
Week 9: 30 April - 6 May	Assessment	2nd Assessment. See Moodle for details
Week 10: 7 May - 13 May	Lecture	**Predicate Logic -- Syntax of *QL* and *QL=* and the Rules of Proof**
Week 11: 14 May - 20 May	Lecture	**Predicate Logic -- The Semantics**
Week 12: 21 May - 27 May	Lecture	The View Beyond
Week 13: 28 May - 3 June	Seminar	Revision Class

Resources

Prescribed Resources

An ebook version of the Textbook will be available on Moodle

Recommended Resources

Not available

Course Evaluation and Development

The course will be formally reviewed by myExperience.

Image Credit

https://commons.wikimedia.org/wiki/Category:Boethius_in_medieval_miniatures#/media/File:Boethius_initial_consolation_philosophy.jpg

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