



Logic Course Descriptor

Course Title	Logic	Faculty	Philosophy
Course Code	NCHPH728	Course Leader	Dr Ioannis Votsis
Credit Points	20	Teaching Period	Any
FHEQ Level	Level 7	Date Approved	June 2020
Compulsory/ Optional	Optional		
Pre-requisites	None		
Co-requisites	None		

COURSE SUMMARY

This course introduces students to the study of logic both in its philosophical and formal dimensions. The formal dimension concerns the language and tools of classical elementary logic and addresses questions about the relations between artificial and natural languages. It cultivates the ability to translate complex natural language passages into formal claims and arguments with a view to assessing the validity of arguments and the consistency of sets of sentences. The philosophical dimension concerns questions about the nature of truth, reference, modality, existence and identity. It cultivates an appreciation of the complexities inherent in the relation between language and the world. The course provides a strong foundation in the methodology of philosophical argumentation.

COURSE AIMS

The aim of this course is to:

- Provide a strong foundation in elementary formal logic but also a reasonable grasp of the philosophical issues that underlie the relation between language and the world.
- Develop students' engagement with central logical concepts, techniques and rules as well as with questions surrounding the representation of arguments and reasoning.
- Promote an active understanding of the philosophical issues surrounding such notions as truth, analyticity, meaning, reference, necessity, identity, and existence.

LEARNING OUTCOMES

On successful completion of the course, students will be able to:

KNOWLEDGE AND UNDERSTANDING

- K1d Demonstrate wide-ranging knowledge of, and recognition of systematic connections between, questions and debates in logic and the philosophical logic; apply the vocabulary and employ the techniques of formal logic to articulate and critically assess natural language arguments.
- K2d Demonstrate critical engagement with the texts and theories of a range of key figures in philosophical logic.

SUBJECT-SPECIFIC SKILLS

- S1d Make original use of advanced scholarly techniques to clarify and situate ideas and arguments from logic and philosophical logic that belong to a variety of periods and traditions.

TRANSFERABLE AND PROFESSIONAL SKILLS

- T1d Show self-direction in working independently, creatively, and to deadlines.
- T2d Respond systematically and creatively to complex, wide-ranging, and unpredictable data, theories, and arguments.
- T3d Display self-direction to produce original, sophisticated, clear, and persuasive presentations (written and oral).
- T3d Consistently apply an excellent level of technical proficiency in written English, using an advanced application of scholarly terminology, that demonstrates the ability to deal with complex issues both systematically and with sophistication.

TEACHING AND LEARNING

Teaching and learning strategies for this course will include:

- 30 hours of lectures and exercise-solving sessions
- Two one-hour one-to-one tutorials

Course information and supplementary materials are available on the College's Virtual Learning Environment (VLE).

Students are required to attend and participate in all the formal and timetabled sessions for this course. Students are also expected to manage their directed learning and independent study in support of the course.

EMPLOYABILITY SKILLS

The study of philosophy cultivates skills that are employable across a range of sectors. These include the abilities to:

- Work independently, creatively, and to deadlines.
- Conduct research and explore relevant existing knowledge.
- Analyse, contextualise, and interpret complex ideas and materials.

- Synthesise and evaluate information against a backdrop of uncertainty.
- Solve problems through logical reasoning.
- Present findings and opinions in a clear, structured manner, whether orally or in writing.
- Engage in collaborative and constructive discussion.

ASSESSMENT

FORMATIVE

Students will be formatively assessed during the course by means of set assignments. These do not count towards the end of year results, but will provide students with developmental feedback, both written and oral.

SUMMATIVE

Assessment will be in one form:

AE:	Assessment Activity	Weighting (%)	Online submission	Duration	Length
1	Examination	100%	N/A	3 hours	N/A

The examination will consist of a number of questions, from which the student will have the choice of answering a specified number. It will be assessed in accordance with the assessment aims set out in the Programme Specification.

FEEDBACK

Students will receive feedback in a variety of ways, written and oral, within one-to-one tutorials, in discussion phases of lectures, and on formatively and summatively assessed assignments. Students will also attend the formal meeting, Collections, in which they will receive constructive and developmental feedback on their performance.

Feedback on examinations is provided through generic internal examiners' reports and are made available to the student on the VLE.

INDICATIVE READING

Note: Comprehensive and current reading lists for courses are produced annually in the Course Syllabus or other documentation provided to students; the indicative reading list provided below is used as part of the approval/modification process only.

BOOKS

Bergmann, M., J. Moor and J. Nelson (2014) *The Logic Book*. 6th edition, New York: McGraw Hill.

Grayling, A.C. (1997) *An Introduction to Philosophical Logic*. 3rd edition, Oxford: Blackwell.

Halbach, V. (2010) *The Logic Manual*. Oxford: Oxford University Press.

Hodges, W. (2001) *Logic: An Introduction to Elementary Logic*, 2nd edition, London: Penguin Books.

Kripke, S. (1980) *Naming and Necessity*. Oxford: Blackwell.

Papineau, D. (2012) *Philosophical Devices*. Oxford: Oxford University Press.

Sainsbury, R.M. (2001) *Logical Forms*. 2nd edition, Oxford: Blackwell.

INDICATIVE TOPICS

- Informal Notions of Validity
 - The Syntax and Semantics of Propositional Logic
 - The Syntax and Semantics of Predicate Logic
 - Sets and Relations
 - Identity
 - Truth
 - Analyticity
 - Meaning and Reference
 - Modality
 - Existence
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Title: NCHPH728 Logic Course Descriptor					
Approved by: Academic Board					
Location: Academic Handbook/Programme specifications and Handbooks/ Postgraduate Programme Specifications/MA Philosophy Programme Specification/Philosophy Course Descriptors					
Version number	Date approved	Date published	Owner	Proposed next review date	Modification (As per AQF4) & category number
2.0	January 2022	April 2022	Brian Ball	April 2025	Category 3: Changes to Course Learning Outcomes
1.0	June 2020	June 2020	Brian Ball	April 2025	