

PIU22023 — Logic

Module Information	
Module Code	PIU22023
Module Title	Logic
Department	Philosophy
Year Group	Senior Freshman
Module Personnel	Jade Hadley
Academic Year	2026-27
Credit Weighting	5 ECTS
Semester	1
Contact Hours	22

Module Content	
Module Description	This is an introductory course in logic aimed at philosophy students. You will learn about core logical concepts such as argument form, validity, and proof. Throughout, we will be working with systems of symbols. Key topics include translating natural language into formal languages, truth tables and interpretations, and systems of natural deduction.
Module Learning Aims	This module will introduce students to formal logic.
Learning Outcomes	By the end of the course, students will be able to: - Think more clearly about arguments. - Translate from natural language into formal languages. - Have some familiarity with formal proof systems and be able to construct formal proofs. - Feel prepared for more advanced logic courses.
Indicative Reading / Resources	The textbook for this course is: Thomas-Bolduc, Aaron, and Richard Zach. <i>forall x: Calgary: An Introduction to Formal Logic</i>. Based on originals by P.D. Magnus and Tim Button. This is a free, open-source textbook. A PDF will be made available at the start of term.

Assessment	
Assessment Components	2 midterm tests online and an in-person exam.
Assessment Details	2 midterm tests online, worth 25% each and an in-person exam worth 50%.

Additional Information	
Prerequisites	None.
Co-requisites	None.