

Introduction to Logic Course Syllabus

		Concepts/Readings	Activities
Day 1	Morning	Introductions The Difference between quantity and quality Definition of an Argument	Name Games Logic Games Pre-Assessment Test Discussion of Monty Python sketch
	Afternoon	The question of the status of language – Wittgenstein, Lewis Carroll The three levels of language	Reading, open discussion Lecture
	Evening	Grice's Rules/the cooperative principle Deception	Discussion, reading Reading, small group discussion
Day 2	Morning	Arguments in standard form Validity, Soundness, Truth – Assuring, Guarding, Discounting –	Exercise Lecture/Discussion Lecture/Exercise Presidential Debate Analysis
	Afternoon	Refutation – Parallel reasoning, counter examples	Exercise in constructing counter examples Anselm's ontological argument and Gaunilo's reply
	Evening	refutation	Continue Anselm, discussion
Day 3	Morning	Arguments for establishing God's	Aquinas' five proofs Mackie's objections to Aquinas
	Afternoon	Putting arguments into standard form:	Plato's <i>Euthyphro</i> – Group reading and exercise
	Evening	Putting arguments into standard form:	Plato's <i>Euthyphro</i> – Group reading and exercise
Day 4	Morning	Quiz Introducing induction	Problems in inductive inference Lecture/discussion
	Afternoon	Arguments from Analogy	Paley's Argument from the existence of God
	Evening	Daily Review Arguments for God's existence revisited	Discussion and comparison of different proofs.

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Day 5	Morning	Fallacious Reasoning	Lecture/Reading – <i>Love is a Fallacy</i>
	Afternoon	Identifying fallacious reasoning	Exercise/ reading assignment
	Evening	More Fallacious arguments	Movie – <i>12 Angry Men</i>
Day 6	Morning	Fallacies in advertising	Creating and presenting a fallacious advertisement.
	Afternoon	Philosophical argumentation – identifying reasons.	Nagel’s <i>What Does it All Mean</i> – reading assignment, group discussion and writing.
	Evening	Game Theory	Iterated Prisoner’s Dilemma exercise
Day 7	Morning	Review Making our own arguments	QUIZ Individual research projects – research skills, reading up on chosen topics
	Afternoon	Constructing arguments	Computer lab research
	Evening	Constructing arguments	Preparing presentations
Day 8	Morning	Convincing others	Presentations
	Afternoon	Convincing others	Presentations continued
	Evening	The formal analysis of arguments – atomic and compound statements	Newspaper reading assignment
Day 9	Morning	Truth-tables for logical operators	Lecture, exercises
	Afternoon	Testing arguments for validity using truth-tables	Exercises
	Evening	Using the substitution method to determine the truth-value of a statement	Problem sets – group work
Day 10	Morning	The Short-cut method	Problem sets – group work
	Afternoon	Translation from natural language to formal symbolism	Translating arguments and statements.
	Evening	Movie – theme: induction	<i>Rear Window</i>
Day 11	Morning	Pop-quiz in formal logic Natural Deduction	Problem sets
	Afternoon	Natural Deduction	Problem sets
	Evening	Translation re-visited Natural Deduction	Arguments in Natural Language
Day 12	Morning	Derivations Quiz review	Quiz
	Afternoon	Research and Debate skills	Lecture and identification of syllogisms
	Evening	Debate preparation	Agree on topic – groups and sub-groups

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Day 13	Morning	Debate prep	Library Research
	Afternoon	Debate prep	Swap arguments and construction of refutations
	Evening	Post-assessment test Debate	Debate preparation
Day 14	Morning	Final Debate Preparation	Constructing arguments – deep analysis
	Afternoon	Debate skills	Debate
	Evening	Evaluations of course	Logic problem Olympics
Day 15	Morning	Class party	