

Ethics (LOGC)
JHU-CTY Course Syllabus
Lancaster Session 2 2016

Instructor: Tyler Paytas

Teaching Assistant: Scott Wolcott

Textbook: *Logic: A Concise Introduction* 12th ed. Patrick J. Hurley. Cengage Learning, 2015
Additional readings will be distributed in class.

Course Description:

Logic is the science of proper reasoning. Lawyers, doctors, and mathematicians all employ logic as they build arguments, diagnose diseases, and prove theorems. In this course, students learn the techniques of logic and develop their analytical reasoning skills. They learn to produce valid arguments and to differentiate valid from fallacious reasoning.

After being introduced to foundational concepts such as validity, soundness, and consistency, students explore informal logic, the process of evaluating language-based arguments. They identify common logical fallacies, discern patterns of proper reasoning, and evaluate syllogisms using Venn diagrams. The heart of the course, however, is the study of formal logic, the method of analyzing and validating arguments by means of symbolic notation. Students employ truth tables to precisely evaluate complex arguments and use natural deduction techniques to prove arguments valid.

Throughout the course, students apply the methods they have learned by analyzing editorials, speeches, and philosophical works; constructing arguments about enduring questions and contemporary issues; engaging in debates; and writing proofs. They leave the course having developed the rigorous analytical-reasoning and critical-thinking skills crucial to all academic and professional inquiry.

Expectations:

You will be expected to read and analyze material from the course texts and handouts. You will also be expected to attend and participate in class. The instructors will attempt to provide interesting and informative material for you to read, give helpful lectures, provide assignments and activities that challenge and stimulate interest, be available to answer any questions you may have, and provide fair and timely evaluations of your achievement.

Assignments:

There will be multiple quizzes throughout the session. Students will regularly complete logic exercises to practice the skills covered during each portion of the course. There will be a term paper assignment which will require you to construct an argument for or against a particular position within philosophical ethics. In addition to these individual assignments there will also be many group assignments including formal debates, skits, presentations, and art projects.

Day 1 – Pre-Assessment	Subject	Activity
Sunday 7/17 Evening	Introductions Pre-Assessment	Introductions Icebreaker – “Beach Ball Questions” Honor Code and Computer Form Pre-Assessment Name Placards Writing Exercise: Why is logic important? Pair/Share Class Discussion

Day 2- Basic Concepts	Subject	Activities
Monday 7/18 Morning	Goals for the session: Opportunity, Identity, and Passion Arguments, Premises, & Conclusions Recognizing Arguments	Syllabus Ice-Breaker – “Beach Ball Questions” Video – “Here’s to the Crazy Ones” Writing Exercise: Response to video Class Discussion Syllabus Silent Reading: pp. 1-5 Exercises 1.1 (Part 1) Group competition: Exercises 1.1 (Part 2) Class Discussion Popcorn Reading: pp. 14-18 Silent Reading: pp.18-24
Afternoon	Deduction and Induction Validity, Soundness, and Strength	Lecture/Discussion: Arguments vs. Explanations; Necessary and Sufficient Conditions Exercises 1.2 Sherlock Holmes Scene Reading Lecture: Induction vs. Deduction Exercises: 1.3 Lecture - Validity & Soundness Reading: pp. 44-48 Exercises 1.4 (part I) Exercises 1.4 (parts II-V)
Evening	Argument Forms: Proving Invalidity with Counterexamples	Video – Monty Python – “Argument Clinic” Discussion/Review – What is an argument? Popcorn Reading: pp. 59-64 Lecture/Discussion – Counterexample method Exercises 1.5 Partner Challenge: JTB Theory of knowledge Lecture/Discussion: Gettier Cases Silent Reading: pp. 66-71 Exercises 1.6

Day 3 – Informal Fallacies	Subject	Activity
Tuesday 7/19 Morning	Review Basic Concepts Argument Reconstruction	Pop Quiz Lecture/Review- Basic Concepts Partner Challenge: JTB Theory of knowledge Lecture/Discussion: Gettier Cases Silent Reading: pp. 66-71 Exercises 1.6 Video: <i>Justice</i> - “Mind your motive” Lecture/Discussion: Kant’s Ethics Popcorn Reading: pp. 122-124
Afternoon		Individual Challenge - Argument Reconstruction: Kant on Divine Hiddenness
Evening		Introducing Informal Fallacies

Day 4 – Informal Fallacies; Debate	Subject	Activity
Wednesday 7/20 Morning	Informal Fallacies	Lecture/Discussion: Informal fallacies Video: Wireless Philosophy on fallacies/critical thinking Fallacy Skits
Afternoon	Informal Fallacies Symbols and Argument forms	Individual Challenge: Fallacy Search (Ex. 3.4-part IV) Lecture: Symbols and translations/Argument forms and formal fallacies
Evening	Debate: Eating Animals	Silent Reading: section 6.6 Lecture/Discussion - Debate Instructions/guidelines

Day 5 – Debate; Propositional Logic	Subject	Activity
Thursday 7/21 Morning	Debate: Eating Animals	Debate Prep
Afternoon	Debate	Debate Prep Study for Quiz 1 Debate: Eating Animals
Evening	Debate Reflections Prepare for Quiz	Writing Exercise: Debate Reflections Prepare for Quiz 1

Day 6 – Propositional Logic	Subject	Activity
Friday 7/22 Morning	Truth Functions	Study for Quiz Quiz 1 Lecture: Symbols and Translation Lecture: Truth functions and Truth tables for propositions Exercises 6.2 and 6.3
Afternoon	Truth Functions Truth Tables for Propositions	Review: Truth tables for propositions Team Competition: Using truth tables to compare statements (logical equivalence, contradiction, consistency) Lecture: Truth tables for Arguments Lecture: Introducing Metaethics Writing Exercise: Are there objective moral facts? Class Discussion

Day 6 – Propositional Logic	Subject	Activity
Sunday 7/24 Evening	Review Logic Basics and Informal Fallacies Review Translations, Truth Functions, and Truth Tables Indirect Truth Tables	Quiz 1 Review Review Truth Functions and truth tables Lecture: Indirect truth tables Exercises 6.5 Review argument forms and fallacies Prepare for Quiz 2

Day 7 – Propositional Logic/Natural Deduction	Subject	Activity
Monday 7/25 Morning	Debate Recap Quiz 2 Natural Deduction	Debate Recap and Discussion Prepare for Quiz 2 Quiz 2 Lecture: Introducing Natural Deduction
Afternoon	Rules of Implication 1	Lecture: Rules of Implication 1 Exercises 7.1
Evening	Metaethics - Mackie	Review: JTB theory of knowledge and Problem of Divine Hiddenness Reading: Mackie – “The Subjectivity of Values” Argument Summary

Day 8 – Natural Deduction Argument Reconstruction	Subject	Activity
Tuesday 7/26 Morning	Rules of Implication 2	Pop Quiz Review: Rules of Implication 1 Lecture: Rules of Implication 2 Exercises: 7.2
Afternoon	Metaethics	Rules of Implication Review and Practice Lecture/Discussion Metaethics Reading: Parfit – Internalism vs. Externalism
Evening	Rules of Replacement 1	Review Quiz 2 Lecture: Rules of Replacement 1 Exercises 7.3

Day 9 – Natural Deduction/Metaethics	Subject	Activity
Wednesday 7/27 Morning	Rules of Replacement 2	Lecture/Discussion: Objectivism vs Subjectivism Lecture: Rules of Replacement 1 Practice Derivations
Afternoon	Debate: Capital Punishment	Debate Prep (Group)
Evening	Metaethics	Debate Prep (Individual) Reading: Parfit <i>On What Matters</i> – Disagreement with Williams and Mackie Class Discussion

Day 10 – Metaethics/Debate	Subject	Activity
Thursday 7/28 Morning	Metaethics Debate Prep Rules of Replacement	Writing Exercise – Has there been moral progress in the Unites States since 1776? Class Discussion Debate Prep Lecture: Review Rules of Replacement 1 Derivation Practice
Afternoon	Debate: Capital Punishment	Debate Prep
Evening	Debate	Derivation Practice Debate Prep

Day 11 – Debate/Natural Deduction	Subject	Activity
Friday 7/29 Morning	Debate: Capital Punishment	Debate Prep Debate Writing: Debate Reflections Lecture: Rules of Replacement 2
Afternoon	Proving Logical Truths	Review/Practice: Derivations with Rules of Replacement Lecture/Review: Metaethics Silent Reading: Sharon Street – “Does Anything Really Matter?”

Day 12 – Review Propositional Logic	Subject	Activity
Sunday 7/31 Evening		Derivation Practice/Review Moral Psychology

Day 13 – Metaethics	Subject	Activity
Monday 8/1 Morning		Lecture: Conditional Proof and Indirect Proof Partner Challenge -Exercises 7.6 Lecture/Discussion – Debate Results
Afternoon		Moral Psychology Prepare for Quiz 3
Evening		Quiz 3 Lecture/Discussion: Sharon Street

Day 14 – Metaethics/ Natural Deduction/Term Papers	Subject	Activity
Tuesday 8/2 Morning	Metaethics	Writing Exercise: Is Street right? Lecture/Discussion: Metaethics Review
Afternoon	Natural Deduction	Quiz 3 Review and Corrections Lecture: How to write a philosophy paper
Evening	Term Paper Pre-Writing	Pre-Writing

Day 15 – Term Papers/Course Review	Subject	Activity
Wednesday 8/3 Morning	Term Papers: Is Morality Objective?	Term Paper writing (9:00-11:00) Artistic Representations of course content
Afternoon	Art projects Derivation practice	Group presentations of art projects Derivation Practice
Evening	Life Lessons Normative Realism	Student Program Evaluations Video: Jason Garrett – Princeton Varsity Club Award Speech Reading: Parfit <i>On What Matters</i>

Day 16 – Course Review/Term Papers	Subject	Activity
Thursday 8/4 Morning	Course Review	Group Challenge: Selected exercises from chapters 1, 3, 6, and 7. Lecture – Venn Diagrams
Afternoon	Term Papers	Term Paper writing (1:00-3:00) Exit Interviews Post-Assessment

Day 17 – Conclusions	Subject	Activity
Friday 8/5 Morning	What Matters Most	Video: Ted Talk – Jonathan Haidt Lecture/Discussion – Moral psychology Reading: Parfit What Matters Most