The Chinese University of Hong Kong
Department of Philosophy

UGED1111E Logic 邏輯
Preliminary Course Outline

Course overview

This course is designed to develop the student's ability to analyze and critically evaluate arguments from a logical point of view. It will provide students with a basic understanding of such concepts as reasons, implication, validity, and fallacies. Students will learn the logical principles of deductive and inductive inferences and the techniques of applying them for determining the validity of arguments. Elements of good reasoning from an informal perspective will also be covered.

Learning outcomes

✧ Acquire analytic skills and a critical disposition.
✧ Grasp the central concepts in classical logic.
✧ Demonstrate familiarity with major proof-theoretic methods in propositional logic.
✧ Translate arguments in ordinary language into symbolic argument forms.
✧ Identify, classify, and assess arguments in various contexts.
✧ Identify and analyze informal fallacies.

Topics

1. Introduction
2. Basic Concepts
3. Deduction and Induction
4. Categorical Syllogisms
5. Propositional Logic
6. Natural Deduction in Propositional Logic
7. Informal Fallacies

Assessment scheme as prescribed on CUSIS (revise if necessary)

If there are any changes in assessment type or mode, students will be informed before Add / Drop period.

Task nature	Description	Mode of Teaching	Weight
Class participation	In-class discussion	face to face	10%
Mid-term exam	Exam	face to face	40%
Final exam	Exam	face to face	50%

Backup plan for assessment in case face-to-face teaching and assessment is not possible due to the pandemic.

Task nature	Description	Mode of Teaching	Weight
Class participation	In-class discussion	Online	10%
Mid-term exam	Exam	Online	40%
Final exam	Exam	Online	50%

Learning activities and workload

✧ Lecture: 2 hours for each lecture
✧ Reading for each topic
✧ Online exercises: about 30 minutes for each exercise

Recommended learning resources

1. Hurley, P. (2015). *A Concise Introduction to Logic* (12th ed.). Australia; Stamford, Ct.: Cengage Learning. ***(Textbook)***
2. Copi, Irving & Cohen, Carl & McMahon, Kenneth (2014). *Introduction to Logic* (14th ed., International Edition). Upper Saddle River, NJ: Pearson Education.
3. Moore, B., & Parker, R. (2012). *Critical thinking* (10th ed.). New York: McGraw-Hill.
4. Lau, Joe Y. F. (2011). *An Introduction to Critical Thinking and Creativity: Think More, Think Better.* Hoboken, N.J.: Wiley
5. 貝剛毅，2014，《思方導航（第四版）》，匯智出版。

Course schedule *(Tentative)*

Date	*Topic*	*Required readings*
11-Jan	Introduction	---
18-Jan	Basic Concepts	*Textbook*, pp. 1–25
25-Jan	Deduction and Induction (I)	*Textbook*, pp. 33–64
1-Feb	*Lunar New Year*	
8-Feb	Deduction and Induction (II)	
15-Feb	Categorical Syllogisms (I)	*Textbook*, pp. 200–282
22-Feb	Categorical Syllogisms (II)	
1-Mar	Propositional Logic (I)	*Textbook*, pp.316–365
8-Mar	*Mid-term Exam*	
15-Mar	Propositional Logic (II)	
22-Mar	Natural Deduction in Propositional Logic (I)	*Textbook*, pp. 388–447
29-Mar	Natural Deduction in Propositional Logic (II)	
5-Apr	*Ching Ming Festival*	
12-Apr	Informal Fallacies (I)	*Textbook*, pp. 122–174
19-Apr	Informal Fallacies (II)	

Contact details

Lecturer	
Name:	WONG Sin Ting
Office:	KHB 417
Email:	sapphires.stwong@cuhk.edu.hk

Details of course website

We use Blackboard Learn for this course. Lecture notes and information on tutorial assignments and examinations will be posted on the website.

Academic honesty and plagiarism

Attention is drawn to University policy and regulations on honesty in academic work, and to the disciplinary guidelines and procedures applicable to breaches of such policy and regulations. Details may be found at http://www.cuhk.edu.hk/policy/academichonesty/.

With each assignment, students will be required to submit a signed declaration that they are aware of these policies, regulations, guidelines and procedures. For group projects, all students of the same group should be asked to sign the declaration.

For assignments in the form of a computer-generated document that is principally text-based and submitted via VeriGuide, the statement, in the form of a receipt, will be issued by the system upon students' uploading of the soft copy of the assignment. Assignments without the receipt will not be graded by teachers. Only the final version of the assignment should be submitted via VeriGuide.

Grade Descriptors
http://phil.arts.cuhk.edu.hk/~phidept/UG/Grade_descriptors.pdf