



Course Descriptor
PHIL 101 Introduction to Logic (Philosophy)

Proposed Academic Year	2020-21	Last Reviewed Academic Year	2019-20
Course Code	PHIL 101	Course Title	Introduction to Logic (Philosophy)
Credit hours	3	Level of study	Undergraduate
College / Centre	College of Arts and Humanities	Department	Humanities
Co-requisites	None	Pre-requisites	None

1. COURSE OUTLINE

[This basic course is designed to inform students: introduction to the meaning of philosophy and its cultural significance; major themes in philosophy, with examples; Western classification of philosophical eras and their neglect of Islam. Comparative historical and analytical approaches are used to stimulate the students' critical faculties. Emphasis will be given to understand the basics of logic which studies reasoning and arguments systematically, and how to formulate and evaluate natural language arguments. The goal is to provide students with the skills for producing formally valid arguments, using different methods of inference. Topics will also include sentential logic, logic of categorical statements and fallacies]

2. AIMS

[The aim of this course is to enhance student's intellectual skill, particularly logical and analytical skills by creating and expressing original arguments. It enables student to solve problems creatively by critically examining views and arguments and improves communication skill. This course provides students with skills that are relevant to personal development and employability.

3. LEARNING OUTCOMES, TEACHING, LEARNING and ASSESSMENT METHODS

Learning Outcomes (Definitive)	Teaching and Learning methods (Indicative)	Assessment (Indicative)
Upon successful completion of this course, students will be able to:		
1. Understand the basic concepts of logic and philosophy	Lectures, Class Activity & Assignment	Formative in-class assessment and feedback, & Exam
2. Identify, evaluate and construct arguments.	Lectures, Class Activity	Formative in-class assessment and feedback, & Exam
3. Formal symbolic representation and analysis of arguments.	Lectures, Class Activity	Formative in-class assessment and feedback, & Exam
4. Critical ability to identify common mistakes of ordinary reasoning.	Lectures, Class Activity	Formative in-class assessment and feedback, & Exam
5. Understand the nature and value of Islamic philosophy	Lectures, Class Activity & Assignment	Formative in-class assessment and feedback, Exam & Project



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4. ASSESSMENT WEIGHTING

Assessment	Percentage of final mark (%)
Mid-term Examination 1	25
Mid-term Examination 2	25
Homework	10
Final Examination	40
TOTAL	100%

5. ACHIEVING A PASS

Students will achieve **3** credit hours for this course by passing **ALL** of the course assessments [*alternatively, list the compulsory pass assessments**] and achieving a **minimum overall score of 50%**

NB *Ensure that ALL learning outcomes are taken into account

6. COURSE CONTENT (Indicative)

Chapter 1 : Philosophy: Scope of Philosophy	1.5
Relevance of Philosophy , Its Cultural Significance	1.5
Major Themes , Western Classification of Philosophy	1.5
Chapter 2 Logic : Its Nature & Importance,	1.5
Formal & Informal logic Deduction & Induction ,	1.5
Principles of Logic , Truth and Validity,	1.5
Soundness & Consistency	1.5
Chapter 3 Arguments : Statements	1.5
Identifying Arguments	1.5
Presenting Arguments in the Standard Format	1.5
Complex Arguments	1.5
Chapter 4 Sentential Logic, Formal System of Logic	1.5
Logical Operators	1.5
Semantics of the Logical Operators	1.5
Formalization	1.5
Argument Forms	1.5
Truth Tables	1.5
Chapter 5 - Categorical Statements, Standard Forms	1.5
Venn Diagrams and its Rules	1.5
Inferences: Mediate Inferences & Immediate Inferences	1.5
Categorical Syllogisms	1.5
Chapter 6 – Fallacies, Types of Fallacies	1.5
Fallacies of Relevance, Circular reasoning	1.5
Semantic Fallacies, Inductive Fallacies	1.5
Formal Fallacies & Fallacies of False Premises	1.5
Chapter 7 - Islamic Philosophy	1.5
Origin of Islamic philosophy	1.5
Characteristics of Islamic philosophy	1.5
Islamic Contribution to the West	1.5
Revision	1.5



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TOTAL HOURS	45
Plus RECOMMENDED INDEPENDENT STUDY HOURS	45
TOTAL COURSE HOURS	90

7. RECOMMENDED REFERENCES

Core text/s:

1. Introduction to Logic, Irving M.Copi, Carl Cohen, First Indian reprint, 2001, Pearson Education Pvt. Ltd, New Delhi, ISBN: 81-7808-486-4

2. Theory and Problems of Logic, John Nolt, Dennis Rohatyn & Achille Varzi, 2007, Mc Graw Hill Companies, Inc. Higher Education, New York, ISBN-10:0--07-058917-8

Library + online resources:

Open Educational Resources:

1. <http://moodle.asu.edu.om/moodle/course/view.php?id=29>
2. <https://www.csus.edu/indiv/d/dowdenb/4/Logical-Reasoning.pdf>