

NORTH SOUTH UNIVERSITY
Department of History and Philosophy
Semester: Spring 2016

Course Code: PHI-102

Course Title: Logic and Reasoning

Course Teacher: Jasim Uddin(JSU)

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The main objective of this course is to introduce the students the basic problems of both traditional and symbolic logic. This course has also been designed to develop reasoning capacity of the students applying different techniques which is one of the central objectives of logic.

Recommended Texts

1. Irving M. Copi and Carl Cohen, *Introduction to Logic*, Ninth Edition, New Delhi: Prentice Hall of India Private Limited. 1995
2. Irving M. Copi, *Symbolic Logic*, Fifth Edition, New York: Macmillan Publishing Co., Inc.1979

Details of course contents:

Definition, nature and function of logic; Nature of argument; Relation between truth and validity; Nature and function of symbolic logic; Simple and compound statements; Conjunctive, disjunctive and conditional statements; Argument forms and truth tables;

Statement and statement forms; Appraising analogical arguments; Scientific and unscientific explanations; Formal proof of validity; Application of the rules of inference; Arguments and fallacies; Dispute and definitions, Basic functions of language; Causal connections: Mill's methods;

Marks distribution, examinations and assignments

1. Mid-term examination 1	25
2. Mid-term examination 2	25
3. Assignments (5+5)	10
4. Class attendance	05
5. Final examination	35

Total	100
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The first mid-term examination will be held after the 7th lecture and the second mid-term examination will be held after the 14th lecture. Two assignments have to be submitted in between the two mid-term examinations. Dates of the examinations will be announced in the class.

Notes for the students

1. No make-up/re-take examination/assignment will be allowed. Any missed examination/assignments will be considered as zero credit point.
- 2 Attendance in the class is compulsory for the students and is strongly recommended.
3. Dishonesty such as **cheating or plagiarism** is highly offensive and may result in obtaining F grade despite good performances in some areas.