Kathmandu University School of Management
Bachelor of Business Administration
Course Syllabus

Course Title	
	LOGIC
Course Code Number	**PSY 370**
Credit Hours	**3**
Course Objective	
Main Objective	The objective of the course is to develop participants' ability and skills in logical reasoning by familiarizing them with the principles and methods of correct reasoning. The course also intends to enable the participants to test and evaluate good/ bad arguments, and reach to defensible conclusions.
Learning Unit	
Learning Unit One **Net Contact Hours -6 hrs**	**1. Basic Logical Concepts** Introduction, Propositions and Sentences, Arguments, Premises, and Conclusions, Analyzing Arguments, Recognizing Arguments, Arguments and Explanations, Deduction and Validity, Induction and Probability, Validity and Truth, Complex Argumentative Passages, Reasoning.
Learning Unit Two **Net Contact Hours - 5 hrs**	**2. The Uses of Language** Basic Functions of Language, Discourse Serving Multiple Functions, The Forms of Discourse, Emotive Words, Kinds of Agreement and Disagreement.
Learning Unit Three **Net Contact Hours - 5 hrs**	**3. Definition** Disputes, Verbal Disputes, and Definitions, Kinds of Definition and the Resolution of Disputes, Extension and Intension, Extensional and Intentional Definitions.
Learning Unit Four **Net Contact Hours - 4 hrs**	**4. Fallacies** Introduction, Fallacies of Relevance, Fallacies of Presumption, Fallacies of Ambiguity.
Learning Unit Five **Net Contact Hours - 14 hrs**	**5. Deduction** Theory of Deduction, Categorical Propositions and Classes, Quality, Quantity, and Distribution, Traditional Square of Opposition, Categorical Syllogisms, Formal Nature of Syllogistic Argument, Venn Diagram Technique for Testing Syllogisms, Syllogistic Rules and Syllogistic Fallacies, Syllogistic Arguments in Ordinary Language (Syllogistic Arguments in Ordinary Language, Reducing the Number of Terms and Translating Categorical Propositions into Standard Form), Symbolic Language of Modern Logic, Symbols for Conjunction, Negation, and Disjunction, Conditional Statements and Material Implication, Argument Forms and Arguments, Statement Forms and Material Equivalence, Logical Equivalence, Methods of Deduction (Formal proof of validity and Proof of invalidity), Proving Validity and Invalidity using Quantification Theory.
Learning Unit Six **Net Contact Hours - 8hrs**	**6. Induction** Argument by Analogy, Appraising Analogical Arguments, Refutation by Logical Analogy, Casual Connection: Cause and Effect, Mill's Methods, Critique of Mill's Methods.
Learning Unit Seven **Net Contact Hours - 6 hrs**	**7. Science and Hypothesis** Value of Science, Explanations: Scientific and Unscientific, Evaluating Scientific Explanations, Stages of Scientific Investigation, Pattern of Scientific Investigation, Crucial Experiments and Ad Hoc Hypotheses.
Total Contact Hours	48 hrs (excluding assessment and final examination)
Basic Text	Irving M. Copi and Carl Cohen (2004), *Introduction to Logic,* 13th Edition, New Delhi: Prentice Hall of India Private Limited.
Evaluation Scheme	In-Semester evaluation 50% End-Semester evaluation 50% Total 100%

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