

Name of the course	Logic
Course Code	407
Semester	VIII
Credit Hours	3
Prerequisite	-
Learning outcomes	<p>On completion of this course, the students will be able to:</p> <ol style="list-style-type: none"> 1. Understand the logic its types and value 2. Know the Reasoning 3. Able to think critically 4. Able to write, communicate, logically
Contents	<p>Unit- 1 Introduction of Logic</p> <ol style="list-style-type: none"> 1.1 What is logic 1.2 Importance of Logic 1.3 Historical Background <p>Unit- 2 Argument</p> <ol style="list-style-type: none"> 2.1 Introduction of Argument 2.2 Language of Argument 2.3 Inductive, deductive arguments and fallacies 2.4 Casual arguments <p>Unit- 3 Types of Logic</p> <p>Unit- 4 Reasoning</p> <ol style="list-style-type: none"> 13.3 Definition of Reasoning 13.4 Types of Reasoning. 13.5 Value of Reasoning <p>Unit-5 Critical Thinking</p> <ol style="list-style-type: none"> 5.6 Definition and examples 5.7 Value and importance

Teaching & Learning Strategies	A combination of lecturing, presentations, and discussions will be used to conduct the course. Students will be expected to read extensively ahead of each class session and actively participate in discussions and practical work.
Assignment	Written assignment (10 marks), presentation (5 marks) and Quiz (10 marks)
Suggested Readings	<p>Black, M. (2018). <i>Critical thinking: An introduction to logic and scientific method</i>. Pickle Partners Publishing.</p> <p>Byerly, T. R. (2017). <i>Introducing Logic and Critical Thinking: The Skills of Reasoning and the Virtues of Inquiry</i>. Baker Academic.</p> <p>McPeck, J. E. (2016). <i>Critical thinking and education</i>. Routledge.</p> <p>McPeck, J. E. (2016). <i>Teaching critical thinking: Dialogue and dialectic</i>. Routledge.</p> <p>Paul, R., & Elder, L. (2019). <i>The miniature guide to critical thinking concepts and tools</i>. Rowman & Littlefield.</p>

Assessment and Examinations

Sr. #	Elements	Weightage	Details
1	Midterm Assessment	35%	Written test (at the mid-point of the semester)
2	Formative Assessment	25%	Assignment, presentation and quiz
3	Final Assessment	40%	Written test (at the end of the semester)