* **UNIVERSITY OF SARGODHA**
* **LAW COLLEGE**
* **COURSE OUTLINE FALL 2019**
* **Course Title: LOGIC And REASONING**
* **Course Code: LAR-232**
* **Credit Hours:3**
* **Instructor Name: GHULAM HAFSA**
* **Email: ghulamhafsa2318@gmail.com**
* **DESCRIPTION& OBJECTIVES**
* **This course is designed to provide students the background of philosophical thinking. To make them aware of logical thinking and clear communication, to acquaint them with the foundation head of all science, to give them the insight in vision to understand the human wisdom.** 
  + - * + **INTENDED LEARNING OUTCOMES**
* **At the end students will learn following:**
* **Philosophical and logical thinking**
* **Insights to understand human wisdom**
* **READINGS**
* **Introduction to logic**
* **Deduction by karamut Hussain**
* **CONTENTS**
* **What philosophy and why it is worth studying**
* **Logic: definition, scope and proposition**
* **The laws of logic**
* **Deductive reasoning**
* **Inferences**
* **Inductive reasoning**
* **Kinds of induction**
* **Generalization**
* **Hypothesis**
* **COURSE SCHEDULE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| * **Week** | Topics and Readings |  |  | BOOKS WITH PAGE NUMBER |
| * **1.** | * **Philosophy and why it is worth studying?** |  |  | * **A critical history of Greek philosophy by W. T. Stall 1-15** |
| * **2.** | * **What is logic and its scope, laws of logic** |  |  | * **Introduction to logic by Irving M. copi, Carl Cohen, Kenneth McMahon fourteenth edition. Page:1-7** |
| * **3.** | * **Recognizing arguments** |  |  | * **Introduction to logic by Irving M. copi, Carl Cohen, Kenneth McMahon fourteenth edition. Page:11-23** |
| * **4.** | * **recognizing and analyzing argument** |  |  | * **Introduction to logic by Irving M. copi, Carl Cohen, Kenneth McMahon fourteenth edition. Pag:24-33** |
| * **5.** | * **The theory of deduction, classes and categorical proposition** |  |  | * **Introduction to logic by Irving M. copi, Carl Cohen, Kenneth McMahon fourteenth edition. Page:168-182** |
| * **6.** | * **categorical argument** |  |  | * **Introduction to logic by Irving M. copi, Carl Cohen, Kenneth McMahon fourteenth edition. Page:33-45** |
| * **7.** | * **test** |  |  |  |
| * **8.** | * **Mid term** |  |  |  |
| * **9.** | * **Induction and deduction** |  |  | * **Induction by Kramat Hussain** |
| * **10.** | * **Presentation 1,2** |  |  |  |
| * **11.** | * **Presentation 3.4.5** |  |  |  |
| * **12.** | * **Generalization** |  |  | * **370-380** |
| * **13.** | * **logical basis of hypothesis testing** |  |  |  |
| * **14.** | * **Unstated and stated proposition** |  |  | * **Introduction to logic by Irving M. copi, Carl Cohen, Kenneth McMahon fourteenth edition. Page:559-570** |
| * **15.** | * **Reasoning and hypothesis testing** |  |  | * **Induction by karamut hussain 150-160** |
| * **16.** | * **Inferences** |  |  | * **183-190** |

* **RESEARCH PROJECT**
* **ASSESSMENT CRITERIA**
* **Write here the distribution of marks. You can choose any or all from below for the purpose.**
* **Sessional: 20**
* **Mid-Term: 30**
* **Final Exam: 50**

RULES AND REGULATIONS

* **Write here the rules and regulation that students have to abide by in your class. Some of these rules, for example, 80% class attendance are standards for the university.**
* **Students must come in class on time.**
* **Only those students will allow sit in final term examinations who secure 80 % attendance as per University rules and regulations.**
* **All students must participate in the sessional marks activities.**
* **Each student must come in proper dressing in class.**