

Course Log Template

INSTITUTION National University of Computer and Emerging Sciences,
Karachi Campus

PROGRAM (S) TO BE EVALUATED BS(CS), BS(SE), BS(AI), and BS(CY)

Course Name Discrete Structures
Catalog Number CS1005
Instructor Name Mr. Shoaib Raza

Date	Duration	Topics Covered	Evaluation Instruments used	Signature
22-August, 2022	3 Hours	Introduction: Discrete Structures and its applications, Propositional Logic, Applications of Propositional Logic, Propositional Equivalences	Quiz, Assignment and Mid & Final Exam	
29-August, 2022	3 Hours	Predicates and Quantifiers, Nested Quantifiers	Quiz, Assignment and Mid & Final Exam	
05-September, 2022	3 Hours	Rules of Inference	Quiz, Assignment and Mid & Final Exam	
12-September, 2022	6 Hours	Sets, Functions and Relations	Quiz, Assignment and Mid & Final Exam	
26-September, 2022	1 Hours	MID-I EXAMINATION		
03-October, 2022	2 Hours 1 Hour	Sequence and Series Introduction to Graph	Quiz, Assignment and Mid & Final Exam	
10-October, 2022	6 Hours	Graph Theory, graph theoretic algorithms	Quiz, Assignment and Mid & Final Exam	
24-October, 2022	3 Hours	Trees and their applications	Quiz, Assignment and Mid & Final Exam	
31-October, 2022	1 Hours	MID-II EXAMINATION		



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07-November, 2022	6 Hours	Number Theory and Cryptography	Quiz, Assignment and Mid & Final Exam	
21-November, 2022	3 Hours	Mathematical Proofs and Mathematical Induction	Quiz, Assignment and Mid & Final Exam	
28-November, 2022	06 Hours	Combinatorics: Permutation, Combination, Inclusion-Exclusion Principle, Binomial theorem	Quiz, Assignment and Mid & Final Exam	
12-December, 2022	3 Hours	FINAL EXAMINATION		

Instructor Name Shoaib Raza

Instructor Signature _____

Date 26-08-2022