NCEAC.DOC.001-E

Course Log Template

INSTITUTION	**Department of Computer Science, National University of Computer and Emerging Sciences, Karachi Campus**

PROGRAM (S) TO BE EVALUATED	**BS Computer Science**

Course Name	**Discrete Structures**
Catalog Number	**CS211**
Instructor Name	**Mr. Shoaib Raza**

Date	Duration	Topics Covered	Evaluation Instruments used	Signature
20 - January	3 hours	Introduction: Discrete Structures and its applications, Propositional Logic, Applications of Propositional Logic, Propositional Equivalences		
27 - January	3 hours	Predicates and Quantifiers, Nested Quantifiers		
03 - February	3 hours	Rules of Inference		
10 - February	3 hours	Sets and Functions		
17 - February	3 hours	Relations		
24 - February	1 hour	**MID I EXAM**		
02 - March	6 hours	Number Theory and Cryptography		
16 - March	6 hours	Graph Theory, graph theoretic algorithms		
30 - March	3 hours	Trees and their applications		
06-April	1 hours	**MID II EXAM**		
13 - April	3 hours	Proof Techniques and Recursion		
20-April	6 hours	Combinatorics: Permutation, Combination, Inclusion-Exclusion Principle		

04 - May	2 hours	Mathematical Induction and Recursion		
07- May	1 hour	Discrete Probability (introduction)		

Instructor Name ___Shoaib Raza_____

Instructor Signature _____

Date _____