Faculty of Computers and Information Technology

Logic Design

Information :

Course Code :	CSC122	**Level** :	Undergraduate	**Course Hours :**	3.00- Hours

Department :	Faculty of Computers and Information Technology

Instructor Information :

Title	Name	Office hours
Lecturer	AMAL SAFWAT MEHANNA .	1
Lecturer	Mohamed Saber Ahmed Sharaf	
Teaching Assistant	Hoda Ashraf Mohamed Mohamed Mostafa	
Teaching Assistant	Salma Mohamed Shalaby Abdelaziz	
Teaching Assistant	Hadeer Khaled Adel Abdelaziz	

Description :

The course provides the fundamentals of logic, including design, verification, application, programmable logic arrays and memories. In addition, the various logical structures and families are discussed in detail. Topics covered in this course are basic logic gates, boolean functions, simplification using boolean algebra, boolean function, simplification using K-Maps, combinational circuit design, adders, subtracts, multiplication, division circuits, multiplexer, de-multiplexer, encoders, and decoders. Hands-on experience is provided through a series of exercises, assignments, and projects