



# Lecture (00) About the course

By:

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Dr. Ahmed ElShafee, ACUFOE : Spring 2020, CSE202 Logic Design I

## About the course

Course name, Code	CSE202 Logic design I
Pre-requisite	-
Credit hours	2
Number Sessions	8-12
Date, time, place	Some day some times some place
Text book	<i>Charles H. Roth, Larry L. Kinney "Fundamentals of Logic Design Edition" 8th ed</i>

Email	Ahmed.elshafee@acu.edu.eg
Presentations and materials	Aelshafee.net

# Objectives

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- Understand numbering system and how to convert between different system
  - Understand binary system, logic mathematical operations
  - Understand logical expressions, simplifications, and control /decision making systems.
  - Understand different types of simplification techniques.
- finally
- To analyze and design combinational and sequential logic circuits.

# TOC

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- Introduction
- Number Systems and Conversion
- Boolean Algebra
- Applications of Boolean Algebra
- Minterm and Maxterm Expansions
- Karnaugh Maps
- Quine-McCluskey Method

# Grading Scheme

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item	Grade
final	40
midterm	20
Attendance and participation	10
<u>Faculty Competition</u>	<u>20</u>
Quizzes	10
Deliverables	10

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Thanks,..

See you next week isA,..

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