DIGITAL LOGIC DESIGN

EEE 2205

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Basic Logic Design Course for Digital Electronic Engineering Students

Prerequisite : EEE 2103: Electronic Devices

Sunday	Tuesday
Room # 1109	Room # 1109
8:00am – 9:30am	8:00am – 9:30am
1.5 Hours	1.5 Hours

Office Hours

You can find me in cube **#D0418**

(D-Building, 4th Floor, Faculty Room 18)

Sunday	**9:30 – 14:00** **15:30 – 18:00**
Monday	**12:30 – 15:30**
Tuesday	**9:30 – 14:00** **15:30 – 18:00**
Wednesday	**10:00 – 11:00** **12:30 – 15:30**
Thursday	**Office Work Only**

- FOR CONSULTATION SEND ME AN EMAIL. WE WILL FIND A COMMON GROUND

▶ Marking system (Midterm and Final term):

▶ **Class test:**   **40%**

▶ **Attendance & class performance:**   **20%**

▶ **Midterm/Final term exam:**   **40%**

▶ **Assignments**   **++**

▶ **Total:**   **100%**

▶ **Term Grade/ Term Total:**

       Mid term: **40%**
       Final term: **60%**

Grand Total - -40% of Midterm + 60% of Final Term

Theory Outline

Plan	Content	Activity
Week- 1	Binary Logic, Logic gates and their truth table Boolean algebra	
Week- 2	Use of Boolean algebra in logic circuits	
Week- 3	Implementation of Logic gates and logic functions in different logic circuits	
Week- 4	Karnaugh Map and Digital System Design	
Week- 5	Adder and comparator	
Week- 6	Number systems	
Week-7	Term Exam	

PRIMARY PRESCRIBED TEXT BOOK

[1]   THOMAS L. FLOYD, "DIGITAL FUNDAMENTALS" 9TH EDITION, PRENTICE HALL.

[2]   M. MORRIS MANO, "DIGITAL LOGIC & COMPUTER DESIGN" PRENTICE HALL.

Reference Text Books:

- [1]   Ronald J. Tocci & Neal S. Widmer, "Digital Systems" 7th edition, Prentice Hall.

- [2]   Digital design – Karim and Johnson

RULES YOU SHOULD FOLLOW AS A STUDENT OF THIS CLASS AND COURSE

▸ **Be present within the first 15mins of the starting of the class**

▸ **Submit your assignments on due time. Any delayed submission will be considered obsolete**

▸ **Regularly check your VUES account for lecture notes, assignments and notices**

▸ **If you cannot attend a class for a valid reason, send me an email at least 12 hours before the class starts. You will be excused for maximum of 1 day.**

▸ **If you are confused about something, meet me and solve it. If you can't meet me for some reason send me an email so that we can fix a specific time for consultation.**

▸ **No grade change requests. The marking policy is very transparent.**