

METU Electrical & Electronics Engineering Department

EE 348 – Introduction to Logic Design

2020-2021 Spring

- EE348 lectures will be conducted by pre-recorded videos uploaded to oduclass at the beginning of the semester
- Regular homework assignments will be given.
- Solutions will be supplied as video lectures.
- Online recitations will be held every week. You have to watch the related video lectures by Monday each week in order to get attendance points.
- Online quizzes will be given every other week on Thursdays at 13:00-13:30.
- Forum will be open for questions on lectures/assignments/quizzes.

Section	1		2		3		4	
Instructor	Gözde B. Akar		Ali Özgür Yılmaz		Klaus Schmidt		Gözde B. Akar	
E-mail	bozdagi@metu.edu.tr		aoyilmaz@metu.edu.tr		schmidt@metu.edu.tr		bozdagi@metu.edu.tr	
Online Recitation Hours	Tue: 10:40- 11:30	Tue: 11:40- 12:30	Tue: 10:40- 11:30	Tue: 11:40- 12:30	Wed: 15:40- 16:30	Wed: 16:40- 17:30	Wed: 15:40- 16:30	Wed: 16:40- 17:30

Course Assistants:

Ece Selin Böncü	Kamil Sert
boncu@metu.edu.tr	ksert@metu.edu.tr

TEXT:

Morris Mano and Michael Ciletti, Digital Design, Prentice-Hall, Fourth Edition, 2007 or Fifth Edition, 2013.

Other references:

Frank Vahid , Digital Design, with RTL Design, VHDL, and Verilog, 2nd Edition, John Wiley and Sons Publishers, 2010, <http://www.ddvahid.com>

Mano & Kime, Logic and Computer Design Fundamentals, Prentice-Hall, Fourth Edition, 2008.

Wakerly, Digital Design Principles and Practices, Prentice-Hall, Fourth Edition, 2006.

Brown & Vranesic, Fundamentals of Digital Logic with VHDL Design, McGraw Hill, Second Ed., 2005.

Tentative Grading Policy:

Midterm Exam 25%

Final Exam 30%

Quizzes 25%

HW 20%

Attendance and Instructor judgement 5% bonus

4 Homework assignments will be assigned at oduclass and collected online on Monday midnights as indicated by Tentative Schedule in the next page. Students are strongly encouraged to

work on HW problems before asking their worked-out and educated questions to their course assistants via e-mail.

6 Quizzes will be conducted online at `odtuclass` on Thursdays, 13:00 at the dates on Tentative Schedule in the next page. Quizzes may consist of questions to be answered online via `odtuclass` or questions answered by pen&paper and uploaded as an image/PDF to `odtuclass`. The highest 5 (out of 6) quiz grades will be considered during grading.

Attendance will be calculated based on the lecture viewing. In order to get attendance points, you have to view the related lecture videos before the recitation hours and answer the interactive questions.

Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	14.03.		Chapter 1 Part 1 Introduction, online lecture	Chapter 1 Part 1 Introduction, online lecture			
2	21.03	Chapter 1 Part 2 video view deadline (by midnight)	Recitation on Chapter 1 Part 2	Recitation Chapter 1 Part 2			
3	28.03.	Chapter 2 video view deadline (by midnight)	Recitation on Chapter 2	Recitation Chapter 2	Quiz 1 about Chapter 1	Chapter 1-3 assignment	
4	04.04.	Chapter 3 Part1 video view deadline (by midnight)	Recitation on Chapter 3	Recitation Chapter 3	Quiz 2 about Chapter 2		
5	11.04.	Chapter 3 Part2 video view deadline (by midnight)	Recitation on Quartus	Recitation on Quartus		Chapter 1-3 assignment due date Chapter 4 assignment	Chapter 1-3 assignment answer upload
6	18.04.	Chapter 4 Part1 video view deadline (by midnight)	Recitation on Chapter 4 Part 1	Recitation Chapter 4 Part 1	Quiz 3 about Chapter 3		
7	25.04.	Chapter 4 Part2 video view deadline (by midnight)	Recitation on Chapter 4 Part 2	Recitation Chapter 4 Part 2		Chapter 4 assignment due date	Chapter 4 assignment answer upload
8	02.05.		Recitation	Recitation	MT		
	9.05.			Spring Break/Ramadan Feast			

9	16.05.	Chapter 5 Part 1 video view deadline (by midnight)	Recitation on Chapter 5 Part 1	Recitation Chapter 5 Part 1		Chapter 5 assignment	
10	23.05.	Chapter 5 Part 2 video view deadline (by midnight)	Recitation on Chapter 5 Part 2	Recitation Chapter 5 Part 2	Quiz 4 about Chapter 5		
11	30.05.	Chapter 6 Part 1 video view deadline (by midnight)	Recitation on Chapter 6 Part 1	Recitation Chapter 6 Part 1		Chapter 5 assignment due date Chapter 6 assignment	Chapter 5 assignment answer upload
12	06.06.	Chapter 6 Part 2 video view deadline (by midnight)	Recitation on Chapter 6 Part 2	Recitation Chapter 6 Part 2	Quiz 5 about Chapter 6 Part1		
13	13.06.		Recitation	Recitation		Chapter 6 assignment due date	Chapter 6 assignment answer upload
14	20.06.		Recitation	Recitation	Quiz 6 about Chapter 6 Part 2		