

İSTANBUL TEKNİK ÜNİVERSİTESİ
Fen Edebiyat Fakültesi - Fizik Mühendisliği Bölümü
(<http://www.fizik.itu.edu.tr/turhan/digital/>)

FIZ 424E Digital Electronics CRN

2015-2016 Fall Phone: (0212) 285 6963

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Lecture : Wednesday 13:30 – 15:30 (FEB)

Laboratory : Wednesday 15:30 – 17:30 (FEB Microprocessors Lab.)

Office Hours : Wednesday 15:30 – 17:00 (FEB Microprocessors Lab.)

Textbook:

Digital Electronics, a practical approach

Reference Materials:

Principles of Modern Digital Design, Parag K.Lala, A John Wiley & Sons Inc. Publication (2007)

Fundamentals of Digital Electronics, Professor Barry Paton Dalhousie University (1998)

Digital Design 2nd Edition



Course Outline

Week		Topic
1	16 September 2015	Number System
2	23 September 2015	Logic Gates
3	30 September 2015	Boolean Algebra,
4	7 October 2015	Arithmetic Calculations,
5	14 October 2015	Code Converter
6	21 October 2015	Flip Flop's
7	28 October 2015	1. Midterm
8	4 November 2015	Mod Counter
9	11 November 2015	
10	18 November 2015	
11	25 November 2015	
12	2 December 2015	2. Midterm
13	9 December 2015	
14	16 December 2015	

Quizzes: Approximately every week during class or laboratory session.

Homework: May be given to compensate the laboratory before or after the laboratory session.

Laboratory: Consist of 10 project which may be varied or extended during the laboratory session.

Dates

1. Midterm : 28 October 2015

2. Midterm : 2 December 2015

Final Exam : 4 – 15 January 2016

Grading:

1. Midterm : 20%

2. Midterm : 20%

Final Exam : 30%

Laboratory : 20%

Quizzes : 10%

Academic Integrity

Students who cheat during an exam or on laboratory session will receive a grade of FF in the course.