

# EE3713 DIGITAL DEVICES & LOGIC DESIGN

## SECTION 02, SPRING 1998

### Instructor:

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### Hours:

*Class Hours:* Tue, Thu 12:30 pm — 1:45 pm, Simrall 104

*Office Hours:* Tue, Thu 2:00 pm — 4:00 pm, Simrall 429 / 434

### Text:

Charles H. Roth, Jr., *Fundamentals of Logic Design (4th Edition)*.

### Course Requirements and Grading:

*Prerequisites:* Credit or registration in

- CS 1253 (Computer Programming with Pascal)
- CS 1314 (Intermediate Programming)

*Grading:*

- |                        |   |     |
|------------------------|---|-----|
| • In-class quizzes     | 4 | 60% |
| • Final exam           | 1 | 25% |
| • Homework assignments |   | 15% |

*Attendance:* Regular attendance is expected and will be a factor when assigning final grades in borderline cases.

*Super-audits:* Super-audits are not permitted.

### Makeup Policy:

- No makeup exams are allowed.
- If you miss only one quiz, you may substitute your final exam grade for it.
- If you take all four quizzes, you may substitute your final exam grade for the lowest quiz grade.

### Homework Assignments:

- Weekly homework assignments are specified in syllabus.
- Homework will be due on Tuesdays before beginning of class.
- No late assignments will be accepted except in extremely deserving cases.
- Copying is not allowed and will be severely penalized. However, students are encouraged to discuss and work on the assignments together.

**Course Schedule:**

<u>Week</u>	<u>Dates</u>	<u>Material</u>	<u>Homework</u>
1.	1/08	Introduction, Ch.1	1.1 (a, b), 1.2 (a, d), 1.3 (c), 1.9, 1.11 (b), 1.14
2.	1/13, 1/15	Ch. 20.1 Ch. 2, Ch. 3	20.2 (a, b), 20.5 2.1 (a, d), 2.3 (a, b, d), 2.4 (a, c), 2.5 (b, d) 3.4, 3.6, 3.9 (a), 3.12 (a), 3.13 (d), 3.15, 3.20, 3.25
3.	1/20, 1/22	Ch. 4, Ch. 5	4.4, 4.14, 4.20, 5.2 (a, c), 5.7, 5.18, 5.21, 5.25
4.	1/27 <b>1/29</b>	Ch. 6 <b>Quiz #1 — Ch. 1, 2, 3, 4, 5, 20.1</b>	6.4, 6.5, 6.8, 6.11, 6.14, 6.18, 6.20, 6.31
5.	2/03, 2/05	Ch. 7	7.2 (a, c), 7.4 (b, d), 7.8, 7.10, 7.13 (a, c)
6.	2/10, 2/12	Ch. 8	8.2, 8.5, 8.7, 8.12(b), 8.15, 8.16, 8.24, 8.26, 8.27
7.	2/17, 2/19	Ch. 9	9.1(b), 9.4, 9.7, 9.14, 9.19 - 9.22, 9.27
8.	2/24 2/26	Ch. 11 <b>Quiz #2 — Ch. 6, 7, 8, 9</b>	11.2, 11.3, 11.8, 11.10, 11.13
9.	3/03, 3/05	Ch.12	12.3, 12.5, 12.10, 12.11 (c, d), 12.13
10.	3/10, 3/12	<i>No class — Spring break</i>	
11.	3/17, 3/19	Ch. 13, Ch. 14	13.2, 13.3, 13.6, 13.9, 13.11 14.4, 14.6, 14.7, 14.11, 14.17, 14.18, 14.25
12.	3/24 3/26	Problem session <b>Quiz #3 — Ch. 11, 12, 13, 14</b>	
13.	3/31, 4/02	Ch. 15, Ch. 17	15.2, 15.4, 15.5, 15.7, 15.9, 15.13, 15.17, 15.18 17.1, 17.3, 17.6, 17.12
14.	4/07, 4/09	Ch. 18, Ch. 20.2 - 20.3	18.1, 18.3, 18.5, 18.6, 18.8, 20.6, 20.9, 20.11
15.	4/14, 4/16	Ch. 21, Ch. 22	21.4, 21.5, 22.2, 22.4, 22.13, 22.16
16.	4/21 <b>4/23</b>	Problem session <b>Quiz #4 — Ch. 15, 17, 18, 20.2, 20.3, 21, 22</b>	
17.	4/28, 4/30	Design examples, Problem sessions, Course review	