Class:	Tu/Th	12:30 - 1:45	Kirk 203B
Lab:	Th	2:00 - 4:45	Kirk 203B
Instructor:	Godi Fischer, Professor, K 214		e-mail: fischer@ele.uri.edu
Office Hours Mo: 2:00-4:00, W: 2:00-4:00			
TA:	Vijay Peddinti, K 201		e-mail: vijay@ele.uri.edu
Text: Ken Martin: Digital Integrated Circuit Design. Oxford University Press, 2000, ISBN 19-512584-3.			

Syllabus:

- 1. The CMOS Process (Ch. 2)
- 2. CMOS Devices and Modeling (Ch. 3)
- 3. Traditional (Static) CMOS Design (Ch. 4)
- 4. Transmission Gate Logic (Ch. 5)
- 5. Timing and I/O Considerations (Ch. 6)
- 6. Synchronous System Design (Ch. 7)
- 7. Introduction to Design Project
- 8. Building Blocks of Digital Integrated Systems (Ch. 10)
- 9. IC Memories (Ch. 11)
- 10. Digital System Testing (Ch. 13)

Exams:

- 1. Th 2-25-10, 50 min., 2-page summary
- 2. Th 4-08-10, 50 min., 3-page summary
- 3. Tu 5-11-10, 11:30-2:30, Final, 4-page summary

Grading: The final grade will be a weighted average of the 2 intermediate exams (15% each), three quizzes (5% each), the final exam (30%) homework (5%) and the design project (20%).

Note:

To pass the course, a student must attend **all labs**, take all exams and **complete** the **design project**. The design project is typically carried out by a team of 2 students.