EEL 3705, Digital Logic Design, Fall 2006
Course Calendar (v.5.1)

Note: All planned dates of exams, topics, labs, etc. below are _tentative_ and subject to revision.

Dates	Lecture Course Activities	Lab Course Activities
Week 1, Aug. 28 – Sep. 1: 　Mon., Aug. 28: 　Wed., Aug. 30:	No labs this week • L1. Course introduction • L2. Intro to lab and hw/sw tools	No labs the first week
Week 2, Sep. 4 – Sep. 8: 　Mon. Sep. 4: 　Wed. Sep. 6:	Short week due to Labor Day 　**[Labor day, no class. Monday labs are pushed back a week.]** • L3. Base-n number systems & arithmetic (CIO 1)	**Lab 1:** Basic Gates (AND, OR, XOR)
Week 3, Sep. 11 – Sep. 15: 　Mon. Sep. 11: 　Wed. Sep. 13: 　Fri. Sep. 15:	• L4. Base conversion methods (CIO 1) 　[lecture postponed, mea culpa] • L5. Two's Complement (CIO 2) & Fixed-point [make-up lecture]	**Lab 2:** Add, subtract, OR, AND, selector
Week 4, Sep. 18 – Sep. 22: 　Mon. Sep. 18: 　Wed. Sep. 20: 　Fri. Sep. 22:	• L6. Floating-point and miscellaneous codes. **HW1 due.** 　[missed lecture again] • L7. Boolean Algebra [make-up lecture]	**Lab 3:** "Arm/disarm WMD" Design Example
Week 5, Sep. 25 – Sep. 29: 　Mon. Sep. 25: 　Wed. Sep. 27: 　Thu. Sep. 28:	• L8. Combinational Analysis & Synthesis (CIO 3) • Review for Midterm #1. **HW2 due.**	**Time to work on Lecture Course's Design Project #1**
Week 6, Oct. 2 – Oct. 6: 　Mon. Oct. 2: 　Wed. Oct 4:	• **Midterm Exam #1 (covers lecs. 1-7, CIOs 1-3)** • L9. Go over midterm #1 solutions, start in on K-maps	
Week 7, Oct. 9 – Oct. 13: 　Mon. Oct. 9: 　Wed. Oct. 11: 　Fri. Oct. 13:	Drop week • L10. Combinational logic optimization with K-maps (CIO 5) • L11. Modular combinational design – Decoders & encoders. **Design Project #1 due** [Last day to drop classes]	**Lab 4:** "Top Secret Code Display" (K-maps)
Week 8, Oct. 16 – Oct. 20: 　Mon. Oct. 16: 　Wed. Oct. 18:	• L12. Modular combinational design _cont._ – Muxes & demuxes. **HW3 due.** • L13. ALU Design (CIO 6)	**Lab 5:** "Electronic Device Test" (PO 2/b)
Week 9, Oct. 23 – Oct. 27: 　Mon. Oct. 23: 　Wed. Oct. 25:	• L14. Combinational cost & delay analysis (CIO 4) • L15. Latches & Flip-Flops (CIO 7)	**Midterm Practical Exam**
Week 10, Oct. 30 – Nov. 3: 　Mon. Oct. 30: 　Wed. Nov. 1:	**[Dr. Frank to be out of town – class canceled]** • Review for Midterm #2	**Lab 6:** Comparators & Arithmetic
Week 11, Nov. 6 – Nov. 10: 　Mon. Nov. 6: 　Wed. Nov. 8: 　Fri. Nov. 10:	Veteran's Day week – Our class is not affected • **Midterm Exam #2 (covers lecs. 8-14, CIOs 4-6)** • L16. Go over midterm #2 solutions **[Veteran's Day Holiday – no classes]**	**Lab 7:** Random Counter
Week 12, Nov. 13 – Nov. 17: 　Mon. Nov. 13: 　Wed. Nov. 15:	• L17. Modular Sequential Logic • L18. Sequential cost & delay analysis	**Final Practical Exam**
Week 13, Nov. 20 – Nov. 24: 　Mon. Nov. 20: 　Wed. Nov. 22: 　Thu-Fri, Nov.23-24	Thanksgiving week – Thursday labs are pushed back a week • L19. State machines (CIO 8) • L20. FSM design (CIO 9) **[Thanksgiving Holiday – no classes]**	**Time to work on lecture course's final design project**
Week 14, Nov. 27 – Dec. 1: 　Mon. Nov. 27: 　Wed. Nov. 29:	• L21. Advanced topics • L22.	
Week 15, Dec. 4 – Dec. 8: 　Mon. Dec. 4: 　Wed. Dec. 6: 　Fri. Dec. 8:	Last week of classes. • L23. • Review for final exam 　[Last day of classes]	
Week 16, Dec. 11 – Dec. 15: 　(date TBA)	Finals Week • **Final exam – comprehensive (lecs. 1-22, CIOs 1-9)**	No lab activities during Finals week