

Syllabus

CENG2123/ELEG 2913 Digital Techniques II/ Digital Design II Summer 2007

- Time:** 2:10 am – 3:20 pm M-F **Room:** ENGR 304
- Instructor:** Dr. James Patrick Parkerson
Office: ENGR 322 (will change during mid July)
Office Phone: 575-6039
Email: jparkers@uark.edu
- Textbook:** Contemporary Logic Design, 2nd Edition, Katz et al, P. Hall, 2005, ISBN 0-201-30857-6
- Course Outline:** Chapter 2: Combinational Logic (2 classes)
Chapter 3: Working with Combinational Logic (5 classes)
Quartus II and UP2 Development Board: (1 class)
Chapter 4: Combinational Logic Technologies (3 classes)
Chapter 6: Sequential Logic Design (3 classes)
Chapter 7: Finite State Machines (6 classes)
Tests: (3 classes)
Test Solutions: (2 classes)
Laboratories: (4 classes)
Final Review: (1 Class)
- Grading Policy:** Test 1 – 20% **July 16, 2007**
Test 2 – 20% **July 30, 2007**
Test 3 – 20% **August 10, 2007**
Homework – 20%
Laboratory – 20%

All exams will be given on the days shown on the class schedule. There will be no make-up examinations (except under exceptional circumstances). Missing an exam will result in a zero score for that test. Examinations are closed-book. However, a formula sheet may be provided. All examinations and homework assignments may not be made up after the solution is presented. No cell phones will be allowed accessible during examinations (if you have one, turn it off and put it away). There will be no final exam. Homework not handed in when due will be graded as zero (except under exceptional circumstances).

Laboratory: Fours laboratories will be held (see schedule)

General: Attendance is voluntary, but each student is responsible for any information given during class.

Holiday: Independence Day: July 4

Course Policies: Since we have an ambitious schedule, the student will have to assume responsibility for the mastery of this material. Complete understanding will normally come only with considerable study. Students should expect to spend two hours of individual study for each hour of lecture. Please look over the material before class so that you may ask relevant questions and understand the lectures. Should you find that you still have questions after class, or that there is a problem you cannot solve on your own, please see me during office hours, submit it by email, or at the beginning of the following class period.

Student grades on the problems sets, quizzes and the final examination will be based not only on the correctness of the solution, but also on the clarity and precision of the presentation. Discussion of the problems is encouraged, however, problem sets must be completed independently. Please give credit to individuals or other sources from which you have obtained assistance. If you do not give credit for sources or references you may be reported for academic dishonesty. Class participation will be taken into account in the assignment of grades.

- **Class Attendance** – Students are responsible for all material covered in class. If you must miss a class, it is your responsibility to get the notes, handouts, assignments, etc. from someone else in class. Class participation grade will reflect attendance in part.
- **Academic Honesty** – The policy specified in the University of Arkansas Engineering Code of Ethics, IEEE Code of Ethics, and the ACM Code of Ethics (listed on the class webpage) will be strictly adhered to.

Accommodation for Disability: If you have a disability that will impact your work in this class, please contact me to discuss your needs.

Religious Holidays: Please report any religious holidays that conflict with the class schedule at the start of the semester. If you do not report religious holidays during the start of the semester you will not be excused from assignments, tests, etc. that have been missed.