ECE 209: Logic and Computing Devices Lab

**Summer 2011 Section 1**

**Lab TA:** ???

**Office:** ???

**Email:** ???

**Office Hours:** By appointment

**COURSE COORDINATOR**

Name: Dr. Timothy Burg

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Office: 307 Fluor Daniel (EIB)

Phone: 864-656-1368

**Course Websites:**

<http://www.clemson.edu/ces/departments/ece/resources/ECE209Lab.html>

**Required Materials:**

ECE 209 Lab Manual. This can be found at the course website above.

ECE 209 Parts Kit

# Objectives:

* Understand Boolean algebra
* Simulate and build simple digital logic circuits
* Learn about combinational and sequential circuits

## Grading:

Grades will be kept as follows:

80% Labs, 20% Final Exam

Lab Grading (20 points per lab):

Simulations – 5 pts

Circuit – 5 pts

Lab Report – 10pts

Grade scale is as follows:

90-100 = A, 80-89.99 = B, 70-79.99 = C, 60-69.99 = D, 0-59.99 = F.

**Lab Reports:**

Specific requirements for each lab are explained in the lab manual. In general, lab reports will contain circuit diagrams for all circuits in the lab, a description of the operation of the final circuit, and truth tables/logic functions/Karnaugh maps as listed in the lab manual.

## Academic Integrity:

“As members of the Clemson University community, we have inherited Thomas Green Clemson’s vision of this institution as a high seminary of learning. Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.”

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**Tentative Schedule – Summer 2011**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Mon | Tues | Wed | Thurs | Fri |
|  |  |  | 7/7 | 7/8 |
|  |  |  |  |  |
| 7/11 | 7/12 | 7/13 | 7/14 | 7/15 |
| Lab 1 |  | Lab 2  Lab 1 Report Due |  | Lab 3  Lab 2 Report Due |
| 7/18 | 7/19 | 7/20 | 7/21 | 7/22 |
| Lab 4  Lab 3 Report Due |  | Lab 5  Lab 4 Report Due |  | Lab 6  Lab 5 Report Due |
| 7/25 | 7/26 | 7/27 | 7/28 | 7/29 |
| Lab 7  Lab 6 Report Due |  | Lab 8  Lab 7 Report Due |  | Lab 8 |
| 8/1 | 8/2 | 8/3 | 8/4 | 8/5 |
| Lab 9  Lab 8 Report Due |  | Lab 9 |  | Final Exam  Lab 9 Report Due |

The instructor reserves the right to make changes to this syllabus during the semester. Students will be notified by the instructor if any changes are made.