Dept. of Electrical Engineering   Muh-Tian Shiue

National Central University   February 17, 2004

Course Title: Introduction to Digital System (EE201B)

Time/Location: Tuesday 15:00-15:50 (E1-120), Friday 13:00-14:50 (E1-118)

Instructor: Muh-Tian Shiue (薛木添)　**Email:** mtshiue@ee.ncu.edu.tw

Office: E1-331　　**Phone:** 03-4227151 ext. 4531　　**Fax:** 03-4255830

Office Hours: Wednesday 14:00-15:00; other time by appointment only.

Teaching Assistant: Ju-Yuan Hsiao（蕭儒遠), office: E1-012 (ext:4586),

　　　　　　　　Email:92521032@cc.ncu.edu.tw

Prerequisites: none

Text Book: M. Morris Mano, "*Digital Design*," 3rd Edition, Prentice Hall Inc., 2002.
　　　ISBN 0-13-035525-9.

Reference:

　1. Donald D. Givone, "*Digital Principles and Design*," McGraw-Hill, 2003.
　　ISBN 0-07-119521-1.

Course Contents:
  - Binary Systems
  - Boolean Algebra and Logic Gates
  - Gate-Level Minimization
  - Combinational Logic
  - Synchronous Sequential Logic
  - Registers and Counters
  - Memory and Programmable Logic

Grading:
  - Homework: 30% (assigned each week)
  - Midterm: 30%
  - Final Exam: 40%

On-Line Resources: Homeworks/tests, sample solutions, grading information, and other course-related materials will be available at: http://www.ee.ncu.edu.tw/~mtshiue/IDS/

Academic Honesty: Cheating is an uncivilized behavior and is to be avoided at all cost. Oral discussion about homework is not considered cheating. Copying someone else's homework/test or part of homework/test is cheating. If cheating is discovered, all students involved will receive no credit for the homework/test and possibly get an F grade for the course.