CENG 290  Digital Design I        April 2002

Course Outline

CENG 290 is the first course in digital design. The course has three 50 minute lectures sessions per week and eight 3 hour lab sessions during the term. Throughout the course, independent thinking, self learning, personal initiative and good engineering practice will be encouraged and rewarded.

The text for the course is Contemporary Logic Design by R Katz.. This is an outstanding book that is very readable and provides an excellent overview of the field. Key material selected from the first eight chapters will be covered in class.

The course lecture notes are posted on the CENG290 Web page. These should be printed and brought to class to reduce the burden of taking notes. Course problem assignments and exams will be based upon material actually covered in class.

The labs for the course complement the lecture material. In the lab you will gain hands-on experience with digital components and test equipment. There are seven labs which you will do in pairs. The components used in the labs are signed out from the department. Much of the lab work can be done before the scheduled lab session.

Problems will be assigned and solutions will be posted.

You will be expected to be well prepared for both the lectures and the labs. This should require about one hour of preparation for every scheduled hour of lectures and labs.

The course will have a 3 hour final exam and two 50 minute midterms. No aids, including calculators, will be permitted during exams.