ECE 271 – Introduction to Digital Circuits and Systems
Winter 2020

Instructor: Prof. Scott Hauck (hauck@ee.washington.edu) EEB-307Q
Office hours: By appointment (send email w/ availability or stop by)


Topics Covered: Introductory course in digital logic, Boolean algebra, combinational and sequential circuits, combinational and sequential logic design, and programmable logic devices.

Prerequisites: CSE 142.

Homework: Homework will be due at the end of class on the date specified. Late work will be penalized 10% for 24 hours late, 30% for 48 hours late, 60% for 72 hours late, and not accepted beyond that.

Laboratory: Each student will complete eight laboratory assignments using the DE-1 SoC laboratory kit. This will include the testing of basic TTL devices, use of programmable devices for the creation of combinational and sequential logic, and the creation of a moderately complex final project. Projects can be done at home or in the department computing or hardware labs.

Exams: There will be one midterm and a final exam.

Grades: The grade will be determined by the following approximate weights: homework (20%), labs (30%), midterm exam (20%), and final exam (30%).

Website: http://www.ee.washington.edu/class/271/hauck2/