ECE 271 – Introduction to Digital Circuits and Systems  
Winter 2019

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/