

Course Description ENEE 307 Spring 2017

Title: Electronic Circuits Design Laboratory

Instructor: Robert W. Newcomb; email: newcomb@eng.umd.edu

Office Hours: Tu 4:15-4:45: try Room AVW 1349

Lecture Meeting place/time: PHY 1410, M 10:00-10:50

Laboratory room: AVW 1330

Supervising TA: Ms. Hua Luo, email: luohua@umd.edu OH: Tu 4-5

TAs and times (OH = Office Hours):

Section 01, M 2-5: An, Taeyong: smilety@umd.edu OH: W 1-2

Section 02, Tu 8-11: Han, Chang-Mu: cmhan74@terpmail.umd.edu OH: M 9-10

Section 03, Tu 2-5: San Nicholas, Austen: austensn@terpmail.umd.edu OH: Th 5-6

Section 04, Tu 11-2: Stine, Justin: jmstine@terpmail.umd.edu OH: W 12-1

Section 05, W 2-5: An, Taeyong: smilety@umd.edu OH W 1-2

Section 06, Th 8-11: Han, Chang-Mu: cmhan74@terpmail.umd.edu OH: M 9-10

Section 07, Th 2-5: San Nicholas, Austen: austensn@terpmail.umd.edu OH: Th 5-6

Section 08, W 8-11: Xu, Pengcheng: alexpengcheng@gmail.com OH: F 5-6

Section 09, M 11-2: Park, Yongwan: yongwan.park1@gmail.com OH: M 6-7

Section 10, Th 11-2: Stine, Justin: jmstine@terpmail.umd.edu OH: W 12-1

Section 11, F 8-11: Li, Yunchuan: yli93@terpmail.umd.edu OH: M 5-6

Section 12, F 2-5: Xu, Pengcheng: alexpengcheng@gmail.com OH: F 5-6

Section 13, F 11-2: Li, Yunchuan: yli93@terpmail.umd.edu OH: M 5-6

Prerequisite: ENEE 303

Textbook: Use the book of ENEE 303

Course Description:

The course focuses on the experimental behavior of BJT, CMOS, and OpAmp electronic circuits. Circuits will be designed via Spice and experimentally verified. Mainly the experiments will follow those created by Professors N. Goldsman and A. Iliadis. Some background material and Spice related files are available on the 303 courses pages of R. Newcomb.

Course Web Page (may include experiments):

www.ece.umd.edu/~newcomb/courses/spring2017/307

Grading: Weekly laboratory reports will be graded along with possible final and midterms. The course grade will be determined by laboratory work and class standing following previous college recommendations.

For each experiment 10% prelim + 90% report(prepared outside)+participation+Spice Final = 45% of grade.