

File: g/coursesS18/307/307S18Des.doc RWN 02/01/18

Course Description ENEE 307 Spring 2018

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: EGR 1202, M 10:00-10:50

Laboratory room: AVW 1330

Supervising TA: Mr. Yongwan Park, email: yongwan.park1@gmail.com OH: W 5-7

TAs and times (OH = Office Hours):

Section 01, M 2-5: Park Yongwan yongwan.park1@gmail.com OH: W 5-7

Section 02, W 8-11: Wang Jun junwong@terpmail.umd.edu OH: Tu 5-7

Section 03, Tu 2-5: Chen Lei LChen95@umd.edu OH: Tu 5-7

Section 04, Tu 11-2: Baumgartner Heidi heidi.t.baumgartner@gmail.com OH: Th 5-6

Section 05, W 2-5: Liu Boyang bliu2014@terpmail.umd.edu OH: M 5-7

Section 06, Th 8-11: not assigned

Section 07, Th 2-5: Chen Lei LChen95@umd.edu OH: Tu 5-7

Section 08, Tu 8-11: Han Jinjing jjhan_01@yahoo.com OH: W 5-7

Section 09, M 11-2: Liu Boyang bliu2014@terpmail.umd.edu OH: M 5-7

Section 10, Th 11-2: Tian Xin xtian17@g.umd.edu OH: F 5-6

Section 11, F 8-11: Wang Jun junwong@terpmail.umd.edu OH: Tu 5-7

Section 12, F 2-5: Shi Guangyao gyshi@terpmail.umd.edu OH: F 5-6

Section 13, F 11-2: Han Jinjing jjhan_01@yahoo.com OH: W 5-7

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/spring2018/307/ENEE307_spring2018.html

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. Roughly:

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