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Course Description ENEE 307 Spring 2016

Title: Electronic Circuits Design Laboratory

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

Office Hours: Tu 4:15-4:45: try Room AVW 1364

Lecture Meeting place/time: PHY 1410, W 09:00-09:50

Laboratory room: AVW 1330

TAs and times (OH = Office Hours):

Section 01, M 2-5: Daiwei Zhu, email: daiwei@umd.edu OH: W 1-2

Section 02, Tu 8-11: Zhenyu Lin, email: zlin88@umd.edu OH: F 8-9

Section 03, Tu 2-5: Hua Luo, email: luohua@umd.edu OH: Tu 5-6

Section 04, F 9-12: Zhenyu Lin, email: zlin88@umd.edu OH: F 8-9

Section 05, W 2-5: Daiwei Zhu, email: daiwei@umd.edu OH: W 1-2

Section 06, Th 8-11: Pengcheng Xu, email: alexpengcheng@gmail.com OH: M 5-6

Section 07, Th 2-5: Justin Stine, email: jmstine@smcm.edu OH: Th 5-6

Section 08, F 12-3: Justin Stine, email: jmstine@smcm.edu OH: Th 5-6

Section 09, M 11-2: Pengcheng Xu, email: alexpengcheng@gmail.com 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. Some background material and Spice related files are available on the 303 courses pages of R. Newcomb.

Course Web Page (includes experiments):

www.ece.umd.edu/~newcomb/courses/spring2016/307

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.