

ECE 474 Course Syllabus
Spring 2019
Principles of Electronic Devices

Time: M, W, F 1:50 – 2:40pm
Place: Room 2250 Engineering Building
Section: 001

Instructor: Tom Zimmermann
Room: C131, Building: ERC (Engineering Research Complex behind Life Sciences)
Email: tomzim@d2l.msu.edu

Office Hours: Mondays 4:00-6:00 pm or by appointment in C131 ERC.

Prerequisite: ECE302 & ECE305

Text: *Solid State Electronic Devices*, 6th ed., by Ben G. Streetman and Sanjay Banerjee
Semiconductor Device Physics, 2008, by UMESH K. MISHRA and JASPRIT SINGH

Class website: D2L (<https://d2l.msu.edu/>)

Lecture notes: Posted on course web site.

Homework: Assignments can be found on the d2l course web page, and will be announced in class.
Solutions will be posted 1 week after a homework set is submitted.
Examinations will include problems that strongly resemble the HW problems and examples worked in the lecture notes and in class.

Grading	Homework	-
	Exam I	50%
	Final Exam (comprehensive)	50%

The exams are closed book, non-programmable calculators are allowed.

Makeup Policy: A zero will be given for missed assignments.

Important Dates

Exam I	Wednesday, February 27, 2019 (in class)
Final	Monday, Apr 29 2019 3:00pm - 5:00pm in 2250 Engineering Building

Martin Luther King Day: Monday, 1/21/19. University open, classes cancelled.

Spring Break: 3/4-3/8/2019.

Design Day: Friday, 4/26/2019 undergraduate engineering classes cancelled.

Course objectives: The goals in studying electronic devices are:

- 1) To provide students with a sound understanding of existing devices, so that their studies of electronic circuits and systems will be meaningful.
- 2) To develop the basic tools with which they can later learn about newly developed devices and applications.

Academic Honesty: Article [2.3.2](#) of the [Academic Freedom Report](#) states that "the student shares with the faculty the responsibility for maintaining the integrity of scholarship, grades, and professional standards." In addition, the ECE Department adheres to the policies on academic honesty as specified in General Student Regulations 1.0, Protection of Scholarship and Grades, and in the all-University Policy on Integrity of Scholarship and Grades, which are included in [Spartan Life: Student Handbook and Resource Guide](#). Students who commit an act of academic dishonesty may receive a 0.0 on the assignment or in the course.

Students with physical challenges: should contact the Resource Center for Persons with Disabilities to establish reasonable accommodations. For an appointment with a disability specialist, call 884-7273 (voice), or visit www.rcpd.msu.edu. Please be aware of your responsibilities to notify the faculty of any special needs (sanctioned by RCPD) in a timely way.