EXPANDED COURSE DESCRIPTION
Lassonde School of Engineering
Electrical Engineering Computer Science
LE / PHYS 3050 3.0 SECTION A
ELECTRONICS I
FALL 2017 / WINTER 2018

Last Modified Date: 09/05/2017

COURSE CALENDAR DESCRIPTION

Introduction to physical electronics including DC and AC circuit theory and network analysis; bandpass filter; introduction to the p-n junction and semiconductor devices: diodes, DC power supplies, transistors, analysis and design of basic amplifiers, operational amplifiers. With laboratory exercises. Two lecture hours, three laboratory hours. One term. Prerequisites: SC/PHYS 1010 6.00; SC/PHYS 2020 3.00 and SC/PHYS 2211 1.00. Course credit exclusion: LE/SC/ENG 2200 3.00. Prior to Summer 2013: Prerequisites: SC/PHYS 1010 6.00; SC/PHYS 2020 3.00 and SC/PHYS 2211 1.00. Course credit exclusion: SC/ENG 2200 3.00. Old version has recommended after SC/PHYS 2211 1.00 - left out from new version as per Jennifer Lavigne.

INSTRUCTOR(S)

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ADDITIONAL INFORMATION

COURSE TOPICS COVERED
1. Circuit Fundamentals
2. AC Circuits
3. Diode Applications
4. Semiconductor Diodes and Transistors

COURSE GRADING

Course grades are determined as follows:
Midterm Exam: 25%
Final Exam: 45%
Lab: 20%
Homework: 5%
Tutorial attendance: 5%

REQUIRED TEXTBOOK

ISBN: 978-1934891223

ACADEMIC INTEGRITY LINKS
- Senate Policy on Academic Honesty - http://secretariat-policies.info.yorku.ca/policies/academic-honesty-senate-policy-on/
• Academic Integrity - http://lassonde.yorku.ca/academic-integrity

STUDENT LINKS
• Student Rights and Responsibilities - http://oscr.students.uit.yorku.ca/student-conduct
• Religious Observance - https://w2prod.sis.yorku.ca/Apps/WebObjects/cdm.woa/wa/regobs
• Academic Accommodation for Students with Disabilities -
  http://secretariat-policies.info.yorku.ca/policies/academic-accommodation-for-students-with-disabilities-policy/
• Counselling and Disability Services - http://cds.info.yorku.ca/

Many courses utilize Moodle, York University's course website system. If your course is using Moodle,
click here to access it.

Moodle @ York University