

NAME: DR NORLAILI MOHD. NOH

ROOM: 3.15

PHONE: 6023

TEXT BOOK

Thomas L. Floyd, "Electronic Devices," Sixth Edition, Prentice Hall

REFERENCE BOOKS

1. S.M.Sze, "Semiconductor Devices, Physics and Technology," Second Edition, Wiley, 2002.
2. Robert L. Boylestad and Louis Nashelsky, "Electronic Devices and Circuit Theory," 8th Edition, Prentice Hall, 2002.

CONSULTATION HOURS (e-mail for appointments)

Monday, Wednesday:

4.00 pm – 5.00 pm

Thursdays:

5 pm - 6 pm

COURSEWORK COMPONENTS (PART 2)

1. Test : 1
Contribution: 10%

2. Assignment : 1
Contribution: 5%

Total coursework contribution
(Part 2) : 15%

FINAL EXAMINATION

70% of the course marks.

A choice of 5 from 6 questions.

Part 1: Q1 to Q3.

Part 2: Q4 to Q6.

Exam duration is 3 hours.

Subjective questions.

COURSE CONTENTS (PART 2)

Bipolar Junction Transistors (BJT)

- 10 hours

Field Effect Transistors (FET)

- 6 hours

GENERAL COURSE OUTCOME (PART 2)

By the end of Part 2, students should be able to understand and explain how the phenomena of currents flowing through the p-n junction is related to the function and application of the bipolar junction and field effect transistors in electronic circuits.