

NAME: NORLAILI MOHD. NOH

ROOM: 3.15

PHONE: 6023

TEXT BOOK

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

REFERENCE BOOK

Robert L. Boylestad and Louis
Nashelsky, 'Electronic Devices and
Circuit Theory', 8th Edition, Prentice
Hall

CONSULTATION HOURS

Tuesdays : 2 - 4 pm

Fridays : 3 - 4 pm

COURSEWORK COMPONENTS

1. Tests : 2
Contribution : 20%

2. Assignments : 2
Contribution : 10%

**Total coursework contribution:
30%**

FINAL EXAMINATION

70% of the course marks. A choice of 5 from 6 questions. Exam duration is 3 hours. Subjective questions.

COURSE CONTENTS

1st part: - 19 classes

- 1. Revision on semiconductor physics**
- 2. p-n junction**
- 3. diodes and their applications**

2nd part: - 10 classes

Bipolar Junction Transistors (BJT)

3rd part: - 7 classes

Field Effect Transistors (FET)

COURSE OUTCOME

By the end of the course, the students should be able to understand and explain how current flows through the p-n junction and relating this phenomena to the function and application of the diodes, bipolar junction and field effect transistors in electronic circuits.