

BFF1303: ELECTRICAL / ELECTRONICS ENGINEERING

PRELECTURE

Ismail Mohd Khairuddin , Zulkifil Md Yusof
Faculty of Manufacturing Engineering
Universiti Malaysia Pahang

Introduction

Contents:

- Course Synopsis
- Course Outcome
- References
- Assessment Method

This course introduces DC resistive network analysis, AC network analysis, diodes, bipolar junction transistors (BJT), operational amplifier (op-amp) and digital logic circuits.

Course Outcomes

1

Analyze DC
Resistive
Network

2

Analyze AC
Network

3

Synthesize
Analog Circuit
involving Diode,
BJT, MOSFET
and Op-Amp

4

Analyze Digital
Logic Circuits

References

Textbooks

Reading
books

Fundamental of
Electric Circuits

Electrical Engineering:
Principles and
Applications

1

Assessment Method

This course measures (and develop) student abilities not only the cognitive domain but also the affective domains.

Assessment Category	%	CO1	CO2	CO3	CO4	Assessed Medium	Program Outcomes
Test (1 & 2)	30%	√	√	√	√	Question & Answer	PO03 Design and develop solution.
Quizzes	10%	√	√	√	√	Question & Answer	
Assignments	20%	√	√	√	√	Question & Answer	
Final Examination	20%	√	√	√	√	Question & Answer	PO01 Knowledge Application. PO03 Design and develop solution.