

CARTA ORGANISASI MAKMAL ELEKTRONIK

KETUA JABATAN FIZIK



PROF. DR. ZAMRI BIN ZAINAL ABDIN

PENYELARAS MAKMAL



DR. WOO HAW JIUNN

PENYELARAS MAKMAL



DR. ZARINA BINI ASPANUT

PENOLONG PEGAWAI



LAIZAH BINTI LAIDA

FELO PENYELIDIK PASCA



DR. FARAH RAMADHANI

Update: 20/6/2022

BACKGROUND

Course code: SIF 2009

Course title: Electronics Practical

Credit: 2

Student Learning Time: 80

Course Pre-requisite(s): SIF 1005 Electronics I

EKSPERIMENT & INSTRUMENT

EXPERIMENT 1: CIRCUIT ANALYSIS

Instruments: Multimeter & Dc Power Supply

Components: Resistors

EXPERIMENT 2: CIRCUIT THEOREM

Instruments: Multimeter & Dc Power Supply

Components: Resistors, Potentiometers

EXPERIMENT 3: TRANSISTOR

Instruments: Multimeter, Dc Power Supply,
Function Generator, Oscilloscope

Components: Resistors, Capacitors &
Transistors

EXPERIMENT 4: OP-PAMP

Instruments: Dc Power Supply, Function
Generator, Oscilloscope

Components: Resistors, Capacitors & OP-
PAMP

EXPERIMENT 5 & EXPERIMENT 6:

Microcomputer & Microprocessor Lab.

SYNOPSIS OF COURSE CONTENTS

**Electronic experiments which cover the
topics diode, rectification, transistor,
amplifier, digital electronic and others.**

OBJECTIVE

1. Operate conventional electronic equipment.
2. Identify the principle of basic electronics using semiconductor devices and advanced electronic equipment.
3. Recognize electronic circuit layouts.
4. Analyze in detail the physical principles involved in the parameter measurements.
5. Relate theory, fundamental principles, phenomenology and experimental results.



woohj@um.edu.my
zarinaaspanut@um.edu.my
laizahlaida92@um.edu.my



PIC:
Dr. Woo Haw Jiunn
Dr. Zarina Binti Aspanut
Dr. Farah Ramadhani



Blok B (311), Physic
Department, Faculty
Science, University
Malaya.



Electronic Lab:
03-79674299 Pn. Laizah

ASSESSMENT WEIGHTAGE

Continuous Assessment: 100%

Final Examination: 0%

4 Experiment Reports – 4x10%

2 Video – 2x10%

1 Mini Project Presentation – (1 Video, Pitching and demonstration) 40%



ACHIEVEMENT

second place in the best laboratory competition in 1994.

WHAT IS INTERESTING?

Soldering

Wiring

Mini Project

