

Department of Electrical Engineering
Computer, Control and Eleectronic
Engineering Sub-Study Program

Perbaikan Kurikulum 2005 KONSENTRASI Teknik KOMPUTER, KENDALI dan ELEKTRONIKA

Chairman: Rhiza S. Sadjad, Ir.,M.S.E.E., Ph.D



Department of Electrical Engineering Structure

Electrical Engineering Study Program:

- Electrical Energy Engineering Sub-Study Program (undergraduate+graduate)
- Telecommunication Engineering Sub-Study Program (undergraduate + graduate)
- **Computer, Control and Electronic Engineering Sub-Study Program (undergraduate + graduate)**
- Information and Communication Technology Sub-Study Program (graduate only)
- Computer Engineering and Network (3 year diploma program)
- Other *Diploma Programs* in cooperation with external parties.

Informatic Engineering Study Program:

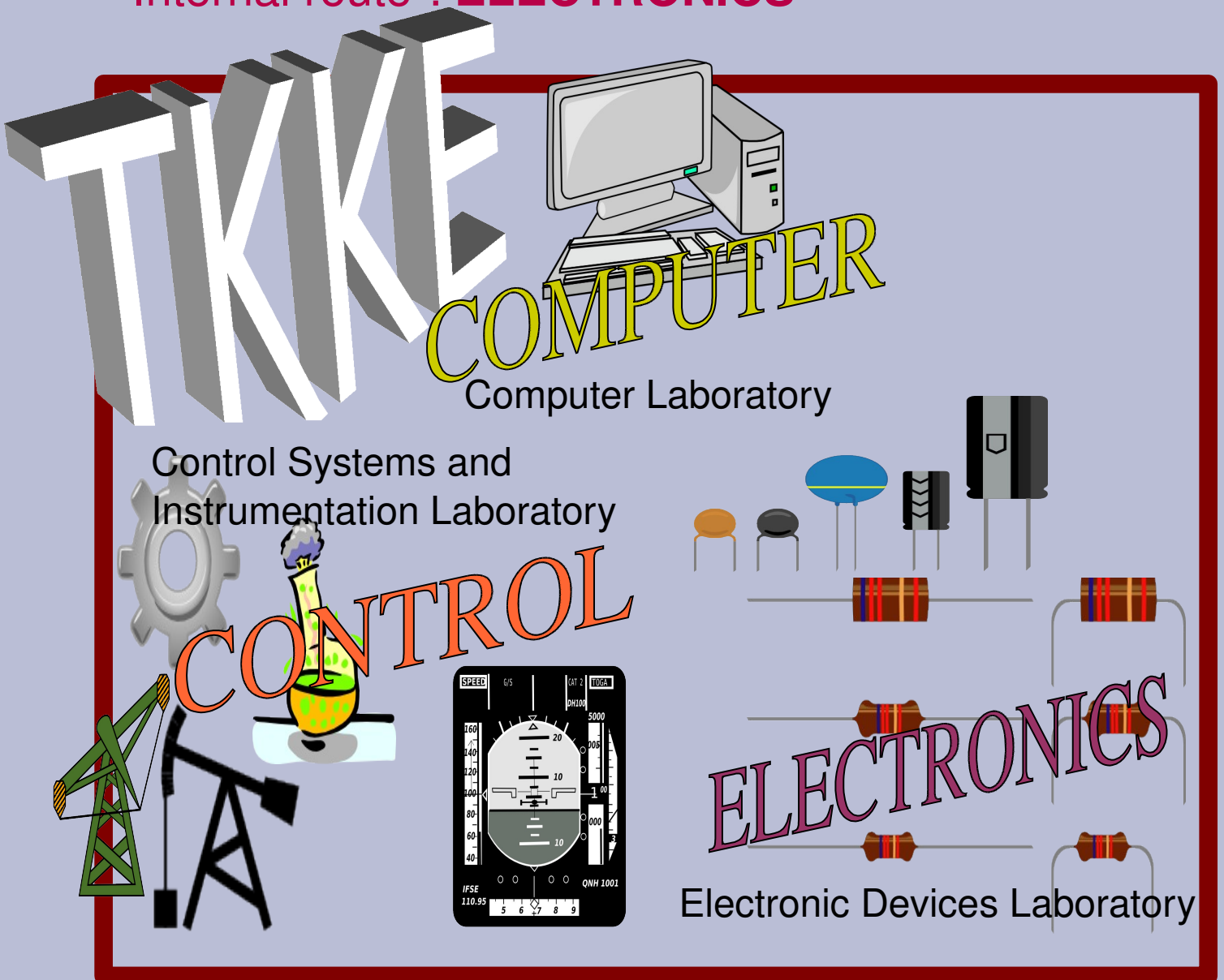
(First student enrollment: August 2008)

NEW !!!

3 “study routes”:

The Computer, Control and Electronic Engineering Sub-Study Program facilitates 3 (three) “study routes” :

- Main route: **COMPUTER ENGINEERING**
- “External route”: **CONTROL ENGINEERING**
- “Internal route”: **ELECTRONICS**



3 “study routes”:

SKRIPSI/SEMINAR

Control Systems and
Instrumentation Laboratory

Computer Laboratory

Electronic Devices Laboratory

PERANCANGAN SISTEM

KENDALI

DIGITAL

ELEKTRONIKA

DASAR SISTEM KENDALI

DASAR KOMPUTER
DASAR PEMROGRAMAN
RANGKAIAN LOGIKA

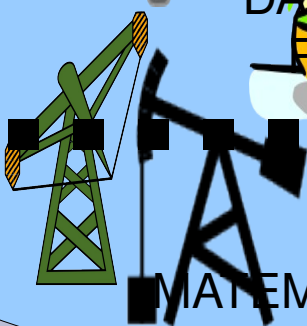
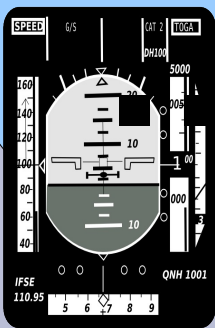
DASAR ELEKTRONIKA

RANGKAIAN LISTRIK

PENGUKURAN LISTRIK

MATEMATIKA TEKNIK + FISIKA TEKNIK

KALKULUS + FISIKA DASAR



PERANCANGAN SISTEM

ELEKTRONIKA

ELEKTRONIKA DAYA
SIST. INSTRU. ELEKTRONIKA
TEKNOLOGI IC
ELEKTRONIKA DIGITAL
ELEKTRONIKA ANALOG

DASAR KOMPUTER
DASAR PEMROGRAMAN
DASAR SISTEM KENDALI
RANGKAIAN LOGIKA
DASAR ELEKTRONIKA
RANGKAIAN LISTRIK
PENGUKURAN LISTRIK
MATEMATIKA TEKNIK + FISIKA TEKNIK
KALKULUS + FISIKA DASAR

3 “study routes”:

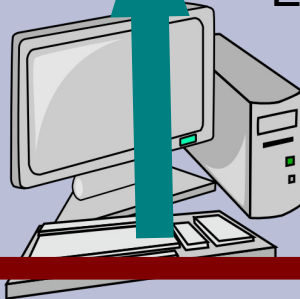
TKKE

SKRIPSI/SEMINAR

Control Systems and
Instrumentation Laboratory

Computer Laboratory

Electronic Devices Laboratory



ELECTRONICS

PERANCANGAN SISTEM

KENDALI

DIGITAL

ELEKTRONIKA

PENGOLAHAN ISYARAT DIGITAL (4->6)

SISTEM OPERASI KOMPUTER (6)

ARSITEKTUR KOMPUTER (5->6)

SISTEM MIKROPROSESSOR (5)

JARINGAN KOMPUTER (5)

TEKNIK DIGITAL (4)

ALGORITMA DAN STRUKTUR DATA (6->4)

DASAR KOMPUTER

DASAR PEMROGRAMAN

RANGKAIAN LOGIKA



RANGKAIAN LISTRIK

PENGUKURAN LISTRIK

MATEMATIKA TEKNIK + FISIKA TEKNIK

KALKULUS + FISIKA DASAR

Perbaikan Kurikulum 2005

Revisi 2008

Dari RAPAT KONSENTRASI 22 Mei 2008:

1. Matakuliah OTOMASI INDUSTRI di LSKI menggunakan PLC
2. Praktikum SISTEM INSTRUMENTASI ELEKTRONIKA dipisahkan dari kuliah, praktikum di LSKI
3. ALGORITMA dan STRUKTUR DATA ditukar dengan PENGOLAHAN ISYARAT DIGITAL
4.

TKKE
ubuntu

Perbaikan Kurikulum 2005

Revisi 2008

Dari RAPAT KONSENTRASI 22 Mei 2008:

4. Matakuliah TEKNOLOGI IC bertukar dengan ARSITEKTUR KOMPUTER
5. Praktikum SISTEM MIKROPROSESOR dipisahkan dari kuliah, praktikum di LAB. KOMPUTER
6. “*Streamlining*” materi RANGKAIAN LOGIKA dan TEKNIK DIGITAL
7. Lab. KOMPUTER pindah lantai 4
8. LSKI dapat sensor dan Mikrokontroler dari Lab. DIVAIS ELEKTRONIKA

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Perbaikan Kurikulum 2005

Revisi 2008

Dari RAPAT KONSENTRASI 22 Mei 2008:

9. Matakuliah PERANCANGAN SISTEM BERBASIS FPGA berganti nama menjadi IMPLEMENTASI SISTEM VLSI, bertukar semester dengan PERANCANGAN SISTEM VLSI
10. Kuliah JARINGAN KOMPUTER diisi CCNA1 + (CCNA2), ada program sertifikasi

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