

Struktur Kursus Kejuruteraan Elektrik dan Elektronik
Electrical and Electronic Engineering Course Structure

Semester	Kod Kursus/ Course Code	Kategori Category	Nama Kursus Course Title
I	LMCK1621	C1	Etika dan Profesional <i>Ethical and Professional</i>
	LMCE1062/ LMCE1072/ LMCE1082/	C2	Academic Interactions (MUET Band 3)/ Academic Literacy (MUET Band 4)/ Page to Stage (MUET Band 5 & 6)
	KKEE1103	C5	Kejuruteraan Berbantuan Komputer <i>Computer Aided Engineering</i>
	KKEE1113	WJ	Teori Litar I <i>Circuit Theory I</i>
	KKEE1133	WJ	Fizik Untuk Jurutera <i>Physics for Engineers</i>
	KKKQ1123	WF	Matematik Kejuruteraan I (Kalkulus Vektor) <i>Engineering Mathematics I (Vector Calculus)</i>
II	LMCW1022	CW	Asas Keusahawanan dan Inovasi
	LMCXXX2	C6	<i>Kursus Luar Fakulti Free Flow</i>
	LMCXXX2	C6	<i>Kursus Luar Fakulti Free Flow</i>
	KKKQ1223	WF	Matematik Kejuruteraan II (Aljabar Linear) <i>Engineering Mathematics II (Linear Algebra)</i>
	KKEE1123	WJ	Teori Litar II <i>Circuit Theory II</i>
	KKEE1153	WJ	Bahasa Pengaturcaraan <i>Programming Language</i>
	KKEE1142	WJ	Makmal Elektrik & Elektronik I <i>Electrical and Electronics Laboratory I</i>
III	LMCW2153	CW	Penghayatan Etika & Peradaban
	LMCE2082/ LMCE2092/ LMCE2103	C2	Pro Talk English (MUET Band 3) (C2)/ Speak to Persuade (MUET Band 4) (C2)/ Advanced Communication Project (MUET Band 5 & 6) (C2)
	KKKQ2123	WF	Matematik Kejuruteraan III (Persamaan Kebezaan) <i>Engineering Mathematics III (Differential Equation)</i>
	KKEE2123	WJ	Isyarat dan Sistem <i>Signal and System</i>
	KKEE2152	WJ	Makmal Elektrik & Elektronik II <i>Electrical and Electronics Laboratory II</i>

	KKEE2173	WJ	Elektronik Analog <i>Analogue Electronics</i>
	KKKE2103	C3	Pembelajaran Mesin <i>Machine Learning</i>
IV	LMCW2143	CW	Falsafah & Isu Semasa
	KKEE2133	WJ	Medan & Gelombang Elektromagnet <i>Electromagnetic Fields and Waves</i>
	KKEE2163	WJ	Elektronik Digit <i>Digital Electronics</i>
	KKEE2141	WJ	Makmal Elektronik Digit <i>Digital Electronics Laboratory</i>
	KKEE2183	WJ	Teori Komunikasi <i>Communication Theory</i>
	KKEE2113	WJ	Peranti Semikonduktor <i>Semiconductor Devices</i>
V	KKKF3283	C1	Etika Kejuruteraan dan Perkembangan Teknologi <i>Engineering Ethics and Technological Advancement.</i>
	KKKQ3123	CW	Statistik dan Pengiraan Berangka <i>Statistics and Numerical Method</i>
	KKEE3113	WJ	Pengukuran dan Instrumentasi <i>Measurements and Instrumentation</i>
	KKEE3143	WJ	Mikropemproses dan Mikrokomputer <i>Microprocessor and Microcomputer</i>
	KKEE3123	WJ	Kejuruteraan Kawalan <i>Control Engineering</i>
VI	KKKF3103	WF	Pengurusan Projek <i>Project Management</i>
	KKEE3153	WJ	Rekabentuk Sistem <i>System Design</i>
	KKEE3163	WJ	Pemprosesan Isyarat Digit <i>Digital Signal Processing</i>
	KKEE3133	WJ	Analisis dan Sistem Kuasa <i>Power System Analysis</i>
	KKEE3103	WJ	Optoelektronik <i>Optoelectronic</i>
	Kursus Elektrif (Pilih SATU sahaja) <i>Elective Course (choose ONE only)</i>		
	KKEC3103	P	Pengaturcaraan Berasaskan Objek <i>Object Oriented Programming</i>
	KKEC3113	P	Sistem Terbenam <i>Embedded Systems</i>
	KKET3103	P	Komunikasi Data dan Rangkaian Komputer <i>Data Communication and Computer Networks</i>

	KKET3113	P	Kejuruteraan Gelombang Mikro <i>Microwave Engineering</i>
	KKEM3103	P	Teknologi Pembuatan Litar Bersepadu <i>Integrated Circuit Manufacturing Technology</i>
Inter sesi	KKKF3066	WF	Latihan Industri <i>Industrial Training</i>
VII	LMCE3061/ LMCE3071	C2	Corporate Storytelling (MUET Band 3)/ Professional Communication (MUET Band 4)
	KKEE4142	WJ	Projek Ilmiah I <i>Final Year Project I</i>
	KKEE4113	WJ	Elektronik Kuasa <i>Power Electronics</i>
	KKEE4103	WJ	Mesin Elektrik, Pemacu dan Aplikasi <i>Electrical Machine, Drives and Application</i>
	Kursus Elektrif (Pilih DUA sahaja) <i>Elective Course (choose TWO only)</i>		
	KKEC4103	P	Rekabentuk Sistem Kawalan <i>Control System Design</i>
	KKEC4113	P	Pemprosesan Imej Digital <i>Digital Image Processing</i>
	KKET4103	P	Antena dan Litar Berfrekuensi Tinggi <i>Antenna and High Frequency Circuits</i>
	KKET4113	P	Rangkaian dan Keselamatan <i>Network and Security</i>
	KKEM4103	P	Rekabentuk VLSI <i>VLSI Design</i>
	KKEM4113	P	Teknologi Peranti Termaju <i>Advanced Devices Technology</i>
	KKEM4123	P	Kebolehharapan dan Pencirian Litar Bersepadu <i>Reliability and Characterization of Integrated Circuit</i>
	KKEM4133	P	Teknologi Fotonik <i>Photonics Technology</i>
	VIII	KKEE4123	C4
KKEE4154		WJ	Projek Ilmiah II <i>Project II</i>
KKEE4133		WJ	Penjanaan Kuasa Elektrik, Penggunaan dan Voltan Tinggi <i>Electrical Power Generation, Utilization and High Voltage</i>
Kursus Elektrif (Pilih DUA sahaja) <i>Elective Course (choose TWO only)</i>			
KKEC4123		P	Kualiti dan Perlindungan Sistem Kuasa <i>Power System Protection and Quality</i>
	KKEC4133	P	Bioisyarat dan Analisis

			<i>Biosignals and Analysis</i>
	KKEC4143	P	Sistem Kawalan Pintar <i>Intelligent Control System</i>
	KKEC4153	P	Perkomputeran Selari <i>Parallel Computing</i>
	KKET4123	P	Sistem Komunikasi Optik <i>Optical Communication System</i>
	KKET4133	P	Komunikasi Radio dan Satelit <i>Radio and Satellite Communication</i>
	KKEM4143	P	Mikropemesinan Transduser <i>Micromachined Transducers</i>
	KKEM4153	P	Rekabentuk Litar Bersepadu Analog CMOS <i>CMOS Analog Integrated Circuit Design</i>
	KKEM4163	P	Sensor Termaju untuk Sistem Pintar <i>Advanced Sensor for Intelligent System</i>

Kategori/Category

- WU - Kursus Wajib Universiti/ *University Courses*
- WF - Kursus Wajib Fakulti / *Faculty Courses*
- WJ - Kursus Wajib Jabatan / *Department Courses*
- P - Kursus Pilihan / *Elective Courses*
- CK - Kursus CITRA Kompetensi / *CITRA Competency Course*
- CW - Kursus CITRA Wajib / *CITRA Compulsory Course*
- C1-C6 - Kursus CITRA Rentas / *CITRA General Education*