

SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING

LIST OF COURSES FOR SEMESTER 1, ACADEMIC SESSION 2020/2021

NO	CODE / TITLE OF COURSES	UNIT	CW%	EW%	CW DISTRIBUTION	ACADEMIC STAFF
LEVEL 100						
1.	EEE105: Teori Litar I [T] <i>(Circuit Theory I)</i>	3	30	70	10% test 5% quiz 15% assignment	Dr. Nor Azlin Ghazali* Dr. Mohamed Fauzi Packeer Mohamed Prof. Ir. Dr. Nor Ashidi Mat Isa
2.	EEE123: Pengaturcaraan Komputer untuk Jurutera[T] <i>(Computer Programming for Engineers)</i>	3	100	-	50% test 30% assignment 20% programming	AP Dr. Junita Mohamad Saleh*
3.	EEM101: Prinsip dan Mekanik Bahan [T] <i>(Principles and Mechanics of Materials)</i>	3	40	60	15% test 5% quiz 20% assignment	Ir. Dr. Mohamad Tarmizi Abu Seman* Dr. Anwar Hasni Abu Hassan
4.	EEM102: Amalan Kejuruteraan Mekatronik [T] <i>(Mechatronic Engineering Practice)</i> (For mechatronic engineering students)	2	100	-	20% test 20% assignment 20% practical 20% practical report 20% mini project	Dr. Nor Rizuan Mat Noor*
5.	EEU104:Teknologi Elektrik [T] <i>(Electrical Technology)</i> (For mechanical engineering students)	3	30	70	10% test 5% quiz 15% assignment	Dr. Noramalina Abdullah* Dr.. Jagadheswaran Rajendran Dr. Tay Lea Tien
6.	EUM113: Kalkulus Kejuruteraan [T] <i>(Engineering Calculus)</i>	3	30	70	10% test 5% quiz 15% assignment	AP Dr. Dzati Athiar Ramli* Dr. Noramalina Abdullah
7.	EBB113: Bahan Kejuruteraan [T] <i>(Engineering Material)</i> (For electrical and electronic engineering students)	3	30	70	10% test 10% assignment 10% tutorial	Offered by PPKBSM
8.	EMD111: Lukisan Kejuruteraan dan Reka Bentuk Berbantuan Komputer [T] <i>(Engineering Drawing and Computer Aided Design)</i> (For mechatronic engineering students)	2	100	-	30% test 70% assignment	Offered by PPKM
9.	EMM101: Mekanik Kejuruteraan [T] <i>(Engineering Mechanical)</i> (For electrical and electronic engineering students)	3	40	60	20% test 20% assignment	Offered by PPKM
10.	LKM100: Bahasa Malaysia I [U] <i>(Malay Language I)</i> (For international students)	2	60	40	10% test 10% quiz 10% reading & writing 10% oral & listening 20% oral	Offered by School of Languages, Literacies and Translation

LEVEL 200						
11.	EEE208: Teori Litar II [T] (Circuit Theory II)	3	30	70	10% test 5% quiz 15% assignment	Dr. Patrick Goh Kuan Lye* AP Dr. Asrulnizam Abd Manaf
12.	EEE228: Isyarat dan Sistem [T] (Signal and System)	3	30	70	10% test 5% quiz 15% assignment	AP Dr. Zuraini Dahari* Prof. Dr. Widad Ismail AP Dr. Harsa Amylia Mat Sakim
13.	EEE231: Makmal Elektronik Digit [T] (Digital Electronics Laboratory)	3	100	-	30% test 40% practical report 30% mini project	Dr. Ahmad Nazri Ali* AP Dr. Nor Muzlifah Mahyuddin Dr. Patrick Goh Kuan Lye Dr. Mohd Tafir Mustaffa Dr. Nur Syazreen Ahmad Mr. Zulfiqar Ali Abd Aziz
14.	EEE232: Analisis Kompleks [T] (Complex Analysis)	3	40	60	10% test 10% quiz 20% assignment	Dr. Nur Zatil Ismah Hashim* AP Dr. Dzati Athiar Ramli Dr. Mohamed Salem Mohamed Othman
15.	EEE241: Elektronik Analog I [T] (Analog Electronic I)	3	30	70	10% test 5% quiz 15% assignment	Dr. Mohd Tafir Mustaffa * AP Ir. Dr. Norlaili Mohd Noh Dr. Jagadheswaran Rajendran
16.	EEM223: Termobendalir [T] (Thermofluids)	3	40	60	15% test 5% quiz 20% assignment	Dr. Abdul Sattar Din* Dr. Wan Mohd Yusof Rahiman Wan Abdul Aziz
17.	EEM242: Makmal Mekatronik 1 [T] (Mechatronic Laboratory 1)	2	100	-	20% practical test 20% quiz 30% practical report 30% mini project	AP Ir. Dr. Norlaili Mohd Noh* Dr. Mohd Ilyas Sobirin Mohd Sazali Dr. Wan Amir Fuad Wajdi Othman
18.	HFF224: Falsafah dan Isu Semasa [U] (Philosophy and Current Issues) (Compulsory for Malaysian and international students batch 2019/2020)	2	100	-	30% assignments 30% media review 40% project	Offered by PP Ilmu Kemanusiaan Mr. Zulfiqar Ali Abd Aziz (Coordinator)
LEVEL 300						
19.	EEE320: Mikropemproses II [T] (Microprocessor II)	3	50	50	10% test 5% quiz 15% practical test 20% mini project	AP Dr. Syed Sahal Nazli Alhady Syed Hassan* AP Dr. Zaini Abdul Halim
20.	EEE332: Perhubungan [T] (Communication)	4	30	70	10% test 10% assignment 10% report	Prof. Dr. Widad Ismail* Dr. Intan Sorfina Zainal Abidin Dr. Nor Azlin Ghazali
21.	EEE350: Sistem Kawalan [T] (Control Systems)	3	40	60	5% test 10% quiz 25% assignment	AP Dr. Harsa Amylia Mat Sakim* Dr. Azniza Abd Aziz Dr. Abdul Sattar Din
22.	EEE378: Elektronik Digit II [T] (Digital Electronic II)	3	40	60	15% test 5% quiz 5% assignment 15% mini project	Dr. Mohd Ilyas Sobirin Mohd Sazali* Dr. Ahmad Nazri Ali
23.	EEE382: Kebarangkalian dan Statistik Kejuruteraan [T] (Probability & Engineering Statistic)	3	40	60	10% test 5% quiz 25% assignment	Dr. Aezaal Azman Abdul Wahab* Dr. Teh Jiashen AP Dr. Zuraini Dahari

24.	EEK361: Elektronik Kuasa [T] (Power Electronics)	3	40	60	14% test 6% quiz 20% assignment	Ir. Dr. Teoh Soo Siang* Dr. Mohd Khairunaz Mat Desa
25.	EEK369: Sistem Voltan Tinggi [T] (High Voltage System)	3	40	60	15% test 5% quiz 20% assignment	Ir. Dr. Nor Asiah Muhamad* AP Ir. Dr. Mohd Kamarol Mohd Jamil
26.	EEM353: Rekabentuk Kejuruteraan Mekanik [T] (Mechanical Engineering Design)	3	40	60	15% test 10% project 15% assignment	Dr. Wan Mohd Yusof Rahiman Wan Abdul Aziz* Ir. Dr. Mohamad Tarmizi Abu Seman
27.	EEM355: Sistem Mekatronik [T] (Mechatronic System)	3	40	60	15% test 25% assignment	Dr. Wan Amir Fuad Wajdi Othman* AP Ir. Dr. Rosmiwati Mohd Mokhtar
28.	EEL303: Latihan Industri [T] (Industrial Training) <i>Note: Students, who completed industrial training during long vacation Academic Session 2019/2020, must register this course</i>	5	100	-	30% logbook 30% presentation 40% report	Prof Ir Dr. Nor Ashidi Mat Isa (Coordinator)
PERINGKAT 400						
29.	EEE424: Rekabentuk Kejuruteraan Elektronik [T] (Electronic Engineering Design)	3	100	-	40% project report 25% viva voce 25% presentation 10% logbook	Dr. Mohd Shahrime Mohd Asaari (Coordinator)
30.	EEE430: Kejuruteraan Perisian [E] (Software Engineering)	4	40	60	20% test 4% quiz 6% assignment 10% mini project	AP Dr. Bakhtiar Affendi Rosdi* Prof. Ts Dr. Shahrel Azmin Suandi
31.	EEE432: Antena dan Perambatan [E] (Antennas and Propagation)	4	50	50	10% test 10% assignment 15% practical 15% report	Dr. Muhammad Firdaus Akbar Jalaludin Khan* Dr. Azniza Abd Aziz
32.	EEE440: Sistem Perhubungan Moden [E] (Modern Communication Systems)	4	40	60	20% test 10% assignment 10% mini project	AP Dr. Nor Muzlifah Mahyuddin* AP Dr. Mohd Fadzli Mohd Salleh
33.	EEE443: Pemprosesan Isyarat Digit [T] (Digital Signal Processing)	3	30	70	8% test 6% quiz 16% assignment	AP Dr. Haidi Ibrahim* Dr. Mohd Shahrime Mohd Asaari
34.	EEE445: Rekabentuk Litar Analog Bersepadu [E] (Design of Integrated Analog Circuits)	4	40	60	10% test 15% assignment 15% practical	Mr Zulfiqar Ali Abd Aziz* AP Ir. Dr. Arjuna Marzuki
35.	EEE449: Rangkaian Komputer [E] (Computer Networks)	4	30	70	15% test 10% assignment 5% report	AP Dr. Mohd Fadzli Mohd Salleh* Dr. Mohamad Khairi Ishak
36.	EEE453: Rekabentuk Sistem Kawalan [E] (Control System Design)	4	40	60	10% test 5% quiz 5% assignment 20% mini project	AP. Dr. Muhammad Nasiruddin Mahyuddin* Dr. Nur Syazreen Ahmad
37.	EEE499: Projek Prasiswazah [T] (Undergraduate Project)	6	100	-	5% proposal 20% report	AP Dr. Bakhtiar Affendi Rosdi (Coordinator)

					50% dissertation 25% viva voce	
38.	EEK425: Rekabentuk Kejuruteraan Elektrikal [T] (<i>Electrical Engineering Design</i>)	3	100	-	40% project report 25% viva voce 25% presentation 10% logbook	Ir. Dr. Nor Asiah Muhamad (<i>Coordinator</i>)
39.	EEK468: Mesin dan Pacuan Elektrik [T] (<i>Electrical Machine and Drives</i>)	3	40	60	20% test 20% assignment	Dr. Ooi Chia Ai* Dr. Mohd Khairunaz Mat Desa
40.	EEK474: Rekabentuk Mesin Elektrik [E] (<i>Electrical Machine Design</i>)	4	40	60	10% test 10% quiz 10% assignment 10% simulation	AP Ir. Dr. Dahaman Ishak*
41.	EEK475: Ekonomi dan Pengurusan Sistem Kuasa [E] (<i>Economy and Management on Power System</i>)	4	40	60	10% test 10% quiz 20% assignment	Dr. Tay Lea Tien* Dr. Mohamed Salem Mohamed Othman
42.	EEK477: Tenaga Diperbaharui [E] (<i>Renewable Energy</i>)	4	40	60	20% test 20% assignment	Ir. Dr. Teh Jiashen* Dr. Mohd Khairunaz Mat Desa
43.	EEK499: Projek Prasiswazah [T] (<i>Undergraduate Project</i>)	6	100	-	5% proposal 20% report 50% dissertation 25% viva voce	AP Ir. Dr. Mohd Kamarol Mohd Jamil (<i>Coordinator</i>)
44.	EEM422: Penglihatan Mesin [T] (<i>Machine Vision</i>)	2	40	60	20% test 1% assignment 2% practical 2% programming 15% mini project	AP Dr. Khoo Bee Ee* Dr. Nor Rizuan Mat Noor
45.	EEM423: Reliability Engineering [E] (<i>Kejuruteraan Kebolehppercayaan</i>)	4	40	60	10% test 10% assignment 20% project	Dr. Anwar Hasni Abu Hassan* AP Dr. Khoo Bee Ee
46.	EEM424: Teori Rekabentuk Ujikaji [E] (<i>Design of Experiments</i>)	4	40	60	10% test 10% assignment 20% project	Dr. Mohd Nazri Mahmud* Dr. Aeizaal Azman Abdul Wahab
47.	EEM425: Sistem Rekabentuk Mekatronik [T] (<i>Mechatronics System Design</i>)	3	100	-	40% project report 25% viva voce 25% presentation 10% logbook	Dr. Mohamad Khairi Ishak (<i>Coordinator</i>)
48.	EEM441: Makmal Peralatan Dan Kawalan [T] (<i>Instrumentation and Control Lab</i>)	2	100	-	50% report 50% viva voce	Prof. Dr. Mohd Zaid Abdullah* AP. Dr. Muhammad Nasiruddin Mahyuddin
49.	EEM499: Projek Prasiswazah [T] (<i>Undergraduate Project</i>)	6	100	-	5% proposal 20% report 50% dissertation 25% viva voce	AP Ir. Dr. Rosmiwati Mohd Mokhtar (<i>Coordinator</i>)
50.	LKM400: Bahasa Malaysia IV [U] (<i>Malay Language IV</i>) (For Malaysian students)	2	60	40	10% test 10% oral 20% essay 20% presentation	Offered by School of Languages, Literacies and Translation

PERINGKAT 500						
51.	EEE505: Rekabentuk Litar Bersepadu Analog Termaju [E] <i>(Advanced Analogue Integrated Circuit Design)</i>	4	40	60	10% test 5% quiz 10% assignment 15% mini project	AP Ir. Dr. Arjuna Marzuki* Dr. Mohammad Adzhar Md Zawawi
52.	EEE512: Pemprosesan Isyarat Digit Dan Imej Lanjutan [E] <i>(Advanced Digital Signal and Image Processing)</i>	4	40	60	14% test 6% quiz 20% assignment	AP Dr. Haidi Ibrahim* Prof. Dr. Mohd Zaid Abdullah
53.	EEE524: Senibina dan Rekabentuk Sistem Terbenam [T] <i>(Embedded System Architecture and Design)</i>	4	40	60	20% test 20% mini project	AP Dr. Zaini Abdul Halim* AP Dr. Syed Sahal Nazli Alhady Syed Hassan
54.	EEE533: Disertasi [T] <i>(Disertation)</i> (Pelajar ESDE – mod 30:70)	28	100	-	100% dissertation	Prof. Ts Dr. Shahrel Azmin Suandi (Coordinator)
55.	EEE532: Rekabentuk Litar Mikrogelombang [E] <i>(Microwave Circuit Design)</i>	4	50	50	20% test 30% mini project	Dr. Intan Sorfina Zainal Abidin* Prof. Ir. Dr. Mohd Fadzil Ain
56.	EEE542: Elektronik Kuasa Industri [E] <i>(Industrial Power Electronics)</i>	4	40	60	20% test 20% mini project / assignment	AP Dr. Asrulnizam Abd Manaf* Dr. Ooi Chia Ai
FROM SEMESTER 2 2019/2020						
57.	EEE125: Makmal Asas Litar [T] <i>(Basic Circuit Laboratory)</i>	3	100	-	30% test 40% experiment 30% mini project	Dr. Muhammad Firdaus Akbar Jalaludin Khan* Dr. Mohd Shahrime Mohd Asaari Dr. Nor Azlin Ghazali Dr. Noramalina Abdullah Dr. Abdul-Malik Haider Yusef Saad Dr. Nor Rizuan Mat Noor Ir. Dr. Teoh Soo Siang Dr. Mohd Ilyas Sobirin Mohd Sazali
58.	EEM253: Rekabentuk Mekatronik I <i>(Mechatronic Design 1)</i>	2	50	50	20% test/quiz 15% mini project 10% experiment 5% assignment	AP Dr. Khoo Bee Ee*
59.	EEE301: Pengujian dan Pengukuran Peranti Semikonduktor [E] <i>(Semiconductor Device Test and Measurement)</i>	4	40	60	20% test 10% assignment 10% mini project	Dr. Mohamad Adzhar Md. Zawawi* Dr. Mohamed Fauzi Packeer Mohamed
60.	EEK360: Makmal Kuasa [T] <i>(Electrical Laboratory)</i>	3	100	-	40% test 60% lab report	Ir. Dr. Nor Asiah Muhamad* Dr. Teh Jiashen Dr. Ooi Chia Ai Dr. Mohamed Salem Mohamed Othman Dr. Tay Lea Tien
61.	EEM344: Makmal Mekatronik II [T] <i>(Mechatronics Laboratory II)</i>	2	100	-	10% test/quiz 60% lab report 10% practical test	Ir. Dr. Mohamad Tarmizi Abu Seman* Dr. Wan Mohd Yusof Rahiman Wan Abdul Aziz

					20% viva	Dr. Wan Amir Fuad Wajdi Othman AP Dr. Zuraini Dahari
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Note: * refers to course leader.