

SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING

LIST OF COURSES FOR SEMESTER 1, ACADEMIC SESSION 2024/2025

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	40:60	Assignment Test	20 20	Prof. Ir. Dr. Nor Ashidi Mat Isa* Dr. Nor Azlin Ghazali
2.	EEE123: Pengaturcaraan Komputer untuk Jurutera [T] <i>(Computer Programming for Engineers)</i>	3	100:0	Programming Project Test	20 30 50	Dr. Ahmad Nazri Ali* Dr. Nor Rizuan Mat Noor
3.	EEM102: Amalan Kejuruteraan Mekatronik [T] <i>(Mechatronic Engineering Practice)</i> (For mechatronic engineering students)	2	100:0	Assignment Practical Practical report Project Test	20 20 20 20 20	Dr. Shaili Falina Mohd Sukri* Prof. Ir. Dr. Mohd Fadzil Ain
4.	EUM113: Kalkulus Kejuruteraan [T] <i>(Engineering Calculus)</i>	3	40:60	Assignment Quiz Test	30 4 6	AP Dr. Dzati Athiar Ramli* Dr. Aeizal Azman Abdul Wahab Dr. Nor Azizah Mohd Yusoff
5.	EBB113: Bahan Kejuruteraan [T] <i>(Engineering Material)</i> (For electrical and electronic engineering students)	3	40:60	Assignment Quiz Test	20 10 10	Offered by PPKBSM
6.	EMD111: Lukisan Kejuruteraan dan Reka Bentuk Berbantuan Komputer [T] <i>(Engineering Drawing and Computer Aided Design)</i> (For mechatronic engineering students)	2	100:0	Assignment Practical Training Project Test	10 45 15 30	Offered by PPKM
7.	EMM101: Mekanik Kejuruteraan [T] <i>(Engineering Mechanical)</i> (For electrical and electronic engineering students)	3	40:60	Assignment Test	20 20	Offered by PPKM
8.	LKM100: Bahasa Malaysia I [U] <i>(Malay Language I)</i> (For international students)	2	60:40	Oral Oral & listening Quiz Reading & writing	30 10 10 10	Offered by School of Languages, Literacies and Translation
9.	WAR122: Integriti dan Anti Rasuah [U] <i>(Integrity and Anti-Corruption)</i> (For Malaysian Students)	2	100:0	Attendance Involvement & Planning Presentation Report	10 50 30 10	Offered by Co-Curriculum Centre Dr. Mohamed Fauzi Packeer Mohamed (Coordinator)

LEVEL 200						
10.	EEE208: Teori Litar II [T] (Circuit Theory II)	3	40:60	Assignment Quiz Test	30 5 5	Dr. Mohamad Adzhar Md Zawawi* AP Dr. Patrick Goh Kuan Lye
11.	EEE228: Isyarat dan Sistem [T] (Signal and System)	3	40:60	Assignment Quiz Test	30 3 7	AP Dr. Zuraini Dahari* Dr. Sami Abdulla Mohsen Saleh
12.	EEE231: Makmal Elektronik Digit [T] (Digital Electronics Laboratory)	3	100:0	Practical report Project Test	40 30 30	AP Dr. Patrick Goh Kuan Lye* AP Dr. Nur Syazreen Ahmad Dr. Jagadheswaran Rajendran Dr. Mohd Tafir Mustaffa Dr. Noor Dzulaikha Daud Mr. Zulfiqar Ali Abd Aziz
13.	EEE236: Analisis Kompleks untuk Jurutera [T] (Complex Analysis for Engineers)	2	40:60	Assignment Quiz Test	25 5 10	Dr. Mohamed Salem Mohamed Othman* AP Dr. Dzati Athiar Ramli
14.	EEE244: Elektronik Analog I [T] (Analog Electronic I)	4	40:60	Assignment Quiz Test	30 4 6	Dr. Mohd Tafir Mustaffa* Dr. Selva Kumar Mariappan
15.	EEM201: Prinsip & Mekanik Bahan [T] (Principles & Mechanics of Materials)	3	40:60	Assignment Quiz Test	30 5 5	Ir. Dr. Mohamad Tarmizi Abu Seman* Dr. Abdul Sattar Din
16.	EEM223: Termobendalir [T] (Thermofluids)	3	40:60	Assignment Quiz Test	30 5 5	Dr. Abdul Sattar Din* AP Dr. Wan Mohd Yusof Rahiman Wan Abdul Aziz
17.	EEM242: Makmal Mekatronik 1 [T] (Mechatronic Laboratory 1)	2	100:0	Practical report Practical test Project Quiz	30 20 30 20	Dr. Nur Zatil Ismah Hashim* Prof. Ir. Dr. Nor Ashidi Mat Isa Dr. Mohamed Fauzi Packeer Mohamed Dr. Selva Kumar Mariappan
18.	HFF225: Falsafah dan Isu Semasa [U] (Philosophy and Current Issues)	2	100:0	Essay Presentation Quiz Test	30 30 10 30	Offered by PP Ilmu Kemanusiaan AP Dr. Muhammad Nasiruddin Mahyuddin (Coordinator)
LEVEL 300						
19.	EEE320: Mikropemproses II [T] (Microprocessor II)	3	50:50	Assignment Practical test Project Quiz Test	8 5 30 2 5	AP Dr. Syed Sahal Nazli Alhady Syed Hassan* AP Dr. Zaini Abdul Halim
20.	EEE332: Perhubungan [T] (Communication)	4	50:50	Assignment Presentation Report Test	20 10 10 10	Dr. Intan Sorfina Zainal Abidin* Prof. Dr. Widad Ismail
21.	EEE350: Sistem Kawalan [T] (Control Systems)	3	40:60	Assignment Quiz Test	20 10 10	AP Ir. Dr. Rosmiwati Mohd Mokhtar* AP Ts. Dr. Fatanah Mohamad Suhaimi

22.	EEE378: Elektronik Digit II [T] (Digital Electronic II)	3	40:60	Assignment Project Test	10 15 15	Dr. Nor Azlin Ghazali* Dr. Ahmad Nazri Ali
23.	EEE382: Kebarangkalian dan Statistik Kejuruteraan [T] (Probability & Engineering Statistic)	3	40:60	Assignment Quiz Test	30 5 5	Dr. Aeizaal Azman Abdul Wahab* Dr. Shaili Falina Mohd Sukri
24.	EEK361: Elektronik Kuasa [T] (Power Electronics)	3	40:60	Assignment Test	30 10	Ir. Dr. Muhammad Hafeez Mohamed Hariri* Ir. Dr. Teoh Soo Siang
25.	EEK369: Sistem Voltan Tinggi [T] (High Voltage System)	3	40:60	Assignment Quiz Test	30 5 5	AP Ir. Dr. Mohamad Kamarol Mohd Jamil* AP Dr. Asrulnizam Abd Manaf
26.	EEM353: Rekabentuk Kejuruteraan Mekanik [T] (Mechanical Engineering Design)	3	40:60	Assignment Project Test	10 20 10	AP Dr. Wan Mohd Yusof Rahiman Wan Abdul Aziz* Ir. Dr. Mohamad Tarmizi Abu Seman
27.	EEM355: Sistem Mekatronik [T] (Mechatronic System)	3	50:50	Assignment Project Quiz Test	20 20 5 5	Dr. Wan Amir Fuad Wajdi Othman* Dr. Ooi Chia Ai
28.	EEL303: Latihan Industri [T] (Industrial Training) <i>Note: Students, who completed industrial training during long vacation Academic Session 2023/2024, must register this course</i>	5	100:0	Logbook Presentation Report	30 30 40	AP Ir. Dr. Rosmiwati Mohd Mokhtar (Coordinator)
LEVEL 400						
29.	EEE424: Rekabentuk Kejuruteraan Elektronik [T] (Electronic Engineering Design)	3	100	Logbook Presentation Project report Viva voce	10 25 40 25	AP Dr. Nor Muzlifah Mahyuddin (Coordinator)
30.	EEE430: Kejuruteraan Perisian [E] (Software Engineering)	4	50:50	Assignment Project Quiz Test	8 30 2 10	AP Dr. Bakhtiar Affendi Rosdi* Prof. Ir. Ts. Dr. Shahrel Azmin Suandi
31.	EEE432: Antena dan Perambatan [E] (Antennas and Propagation)	4	50:50	Assignment Experiment Report Test	15 15 10 10	Prof. Dr. Widad Ismail* Dr. Muhammad Firdaus Akbar Jalaludin Khan
32.	EEE440: Sistem Perhubungan Moden [E] (Modern Communication Systems)	4	50:50	Assignment Project Test	30 7 13	AP Dr. Mohd Fadzli Mohd Salleh* AP Dr. Nor Muzlifah Mahyuddin
33.	EEE443: Pemprosesan Isyarat Digit [T] (Digital Signal Processing)	3	50:50	Assignment Quiz Test	38 4 8	Dr. Mohd Shahrime Mohd Asaari* AP Dr. Haidi Ibrahim
34.	EEE445: Rekabentuk Litar Analog Bersepadu [E] (Design of Integrated Analog Circuits)	4	50:50	Assignment Project Test	15 15 20	Dr. Jagadheswaran Rajendran* Dr. Nur Zatil Ismah Hashim

35.	EEE449: Rangkaian Komputer [E] (Computer Networks)	4	50:50	Assignment Project Test	30 7 13	Dr. Nor Rizuan Mat Noor* AP Dr. Mohd Fadzli Mohd Salleh
36.	EEE453: Rekabentuk Sistem Kawalan [E] (Control System Design)	4	50:50	Assignment Project Quiz Test	18 20 6 6	AP Dr. Nur Syazreen Ahmad* AP. Dr. Muhammad Nasiruddin Mahyuddin
37.	EEE499: Projek Prasiswazah [T] (Undergraduate Project)	6	100:0	Dissertation Proposal Report Technical paper Viva voce	50 5 10 10 25	AP Dr. Haidi Ibrahim (Coordinator)
38.	EEK425: Rekabentuk Kejuruteraan Elektrikal [T] (Electrical Engineering Design)	3	100:0	Logbook Presentation Project report Viva voce	10 25 40 25	Ir. Dr. Teoh Soo Siang (Coordinator)
39.	EEK468: Mesin dan Pacuan Elektrik [T] (Electrical Machine and Drives)	3	40:60	Assignment Test	20 20	Dr. Ooi Chia Ai* Dr. Mohd Khairunaz Mat Desa
40.	EEK474: Rekabentuk Mesin Elektrik [E] (Electrical Machine Design)	4	50:50	Quiz Assignment Project	5 30 15	Dr. Nor Azizah Mohd Yusoff* Dr. Muhammad Najwan Hamidi
41.	EEK475: Ekonomi dan Pengurusan Sistem Kuasa [E] (Economy and Management on Power System)	4	50:50	Assignment Project Quiz Test	26 10 7 7	Dr. Noor Dzulaikha Daud* Dr. Mohamed Salem Mohamed Othman
42.	EEK477: Tenaga diperbaharui [E] (Renewable Energy)	4	50:50	Lab Simulation Test	15 15 20	Dr. Mohd Khairunaz Mat Desa* AP Ir. Ts. Dr. Teh Jiashen
43.	EEK499: Projek Prasiswazah [T] (Undergraduate Project)	6	100:0	Dissertation Proposal Report Technical paper Viva voce	50 5 10 10 25	AP Ir. Dr. Mohamad Kamarol Mohd Jamil (Coordinator)
44.	EEM422: Penglihatan Mesin [T] (Machine Vision)	2	40:60	Assignment Lab Project Test	5 5 15 15	Dr. Sami Abdulla Mohsen Saleh* AP Dr. Khoo Bee Ee
45.	EEM423: Reliability Engineering [E] (Kejuruteraan Kebolehpercayaan)	4	50:50	Assignment Project Test	15 22 13	AP Ir. Ts. Dr. Teh Jiashen* AP Ts. Dr. Fatanah Mohamad Suhaimi
46.	EEM424: Teori Rekabentuk Ujikaji [E] (Design of Experiments)	4	50:50	Assignment Project Test	10 30 10	Dr. Mohd Nazri Mahmud* Ts. Dr. Noramalina Abdullah
47.	EEM425: Sistem Rekabentuk Mekatronik [T] (Mechatronic System Design)	3	100:0	Logbook Presentation Project report Viva voce	10 25 40 25	AP Dr. Zuraini Dahari (Coordinator)

48.	EEM441: Makmal Peralatan Dan Kawalan [T] <i>(Instrumentation and Control Lab)</i>	2	100:0	Report Viva voce	50 50	AP Dr. Khoo Bee Ee* Dr. Wan Amir Fuad Wajdi Othman
49.	EEM499: Projek Prasiswazah [T] <i>(Undergraduate Project)</i>	6	100:0	Dissertation Proposal Report Technical paper Viva voce	50 5 10 10 25	AP Dr. Khoo Bee Ee (Coordinator)
50.	EEX400: Kajian Bebas [E] <i>(Independent Studies)</i>	4	100:0	Report	100	Prof. Ir. Ts. Dr. Shahrel Azmin Suandi (Coordinator)
51.	LKM400: Bahasa Malaysia IV [U] <i>(Malay Language IV)</i> <i>(For Malaysian students)</i>	2	60:40	Essay Oral Presentation	30 10 20	Offered by School of Languages, Literacies and Translation
LEVEL 500						
52.	EEE538: Metodologi Penyelidikan Kejuruteraan dan Teknologi [T] <i>(Engineering and Technology Research Methodology)</i>	4	100:0	Presentation Research Proposal	30 70	Dr. Mohd Nazri Mahmud (Coordinator)
LEVEL 500 – MSc ESDE In House						
53.	EEE506: Senibina dan Rekabentuk Sistem Terbenam [T] <i>(Embedded System Architecture and Design)</i>	3	50:50	Assignment Practical Project Quiz Test	10 3 25 2 10	AP Dr. Zaini Abdul Halim* AP Dr. Syed Sahal Nazli Alhady Syed Hassan
	EEE524: Senibina dan Rekabentuk Sistem Terbenam [T] <i>(Embedded System Architecture and Design)</i>	4				
54.	EEE507: Rekabentuk Litar Bersepadu Analog Termaju [E] <i>(Advanced Analogue Integrated Circuit Design)</i>	3	50:50	Assignment Project Quiz Test	10 20 5 15	Dr. Mohamed Fauzi Packeer Mohamed* Dr. Mohammad Adzhar Md Zawawi
55.	EEE508: Pemprosesan Isyarat Digit Dan Imej Lanjutan [E] <i>(Advanced Digital Signal and Image Processing)</i>	3	50:50	Assignment Project Quiz Test	28 10 4 8	AP Dr. Haidi Ibrahim* AP Dr. Bakhtiar Affendi Rosdi
	EEE512: Pemprosesan Isyarat Digit Dan Imej Lanjutan [E] <i>(Advanced Digital Signal and Image Processing)</i>	4				
56.	EEE511: Teknologi Internet Benda [E] <i>(Internet of Things (IoT) Technology)</i>	3	50:50	Assignment Project Test	20 20 10	Ts. Dr. Noramalina Abdullah* Dr. Mohd Shahrime Mohd Asaari
57.	EEE513: Rekabentuk Litar Mikrogelombang [E] <i>(Microwave Circuit Design)</i>	3	50:50	Assignment Presentation Report Simulation Test	10 5 15 10 10	Prof. Ir. Dr. Mohd Fadzil Ain* Dr. Intan Sorfina Zainal Abidin
	EEE532: Rekabentuk Litar Mikrogelombang [E] <i>(Microwave Circuit Design)</i>	4				

58.	EEE514: Elektronik Kuasa Industri [E] <i>(Industrial Power Electronics)</i>	3	50:50	Assignment Quiz Test	35 5 10	Dr. Muhammad Najwan Hamidi* Ir. Dr. Muhammad Hafeez Mohamed Hariri
	EEE542: Elektronik Kuasa Industri [E] <i>(Industrial Power Electronics)</i>	4				
59.	EEE533: Disertasi [T] <i>(Dissertation)</i>	28	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)
LEVEL 500 – MSc ESDE Industry						
60.	EEE506: Senibina dan Rekabentuk Sistem Terbenam [T] <i>(Embedded System Architecture and Design)</i>	3	50:50	Assignment Practical Project Quiz Test	10 3 25 2 10	AP Dr. Zaini Abdul Halim* AP Dr. Syed Sahal Nazli Alhady Syed Hassan
	EEE524: Senibina dan Rekabentuk Sistem Terbenam [T] <i>(Embedded System Architecture and Design)</i>	4				
61.	EEE507: Rekabentuk Litar Bersepadu Analog Termaju [E] <i>(Advanced Analogue Integrated Circuit Design)</i>	3	50:50	Assignment Project Quiz Test	10 20 5 15	Dr. Mohamed Fauzi Packeer Mohamed* Dr. Mohammad Adzhar Md Zawawi
62.	EEE508: Pemprosesan Isyarat Digit Dan Imej Lanjutan [E] <i>(Advanced Digital Signal and Image Processing)</i>	3	50:50	Assignment Project Quiz Test	28 10 4 8	AP Dr. Haidi Ibrahim* AP Dr. Bakhtiar Affendi Rosdi
63.	EEE511: Teknologi Internet Benda [E] <i>(Internet of Things (IoT) Technology)</i>	3	50:50	Assignment Project Test	20 20 10	Ts. Dr. Noramalina Abdullah* Dr. Mohd Shahrime Mohd Asaari
64.	EEE515: Integriti Isyarat Bagi Rekabentuk Digital Halaju Tinggi [E] <i>(Signal Integrity for High-Speed Digital Design)</i>	3	50:50	Assignment Experiment Project Test	10 10 20 10	AP Dr. Patrick Goh Kuan Lye* Lecturers from industry
65.	EEE518: Sistem-Sistem Pintar [E] <i>(Intelligent Systems)</i>	3	50:50	Assignment 10 Project 20 Quiz 5 Test 15	10 20 5 15	AP Dr. Syed Sahal Nazli Alhady Syed Hassan* Prof. Ir. Dr. Nor Ashidi Mat Isa
	EEE551: Sistem-Sistem Pintar [E] <i>(Intelligent Systems)</i>	4				
66.	EEE527: Perhubungan Data dan Rangkaian Komputer [E] <i>(Data Communications and Computer Networks)</i>	3	50:50	Assignment Project Test	15 20 15	AP Dr. Mohd Fadzli Mohd Salleh* Dr. Nor Rizuan Mat Noor
67.	EEE537: Peranti Semikonduktor dan Teknologi Pepejal [E] <i>(Semiconductor Devices and Solid State Technology)</i>	3	50:50	Assignment Project Test	20 20 10	Dr. Nur Zatul 'Ismah Hashim* AP Dr. Asrulnizam Abd Manaf
68.	EEE533: Disertasi [T] <i>(Dissertation)</i>	28	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)

LEVEL 500 – MSc ESDE Offshore Al-Mustaqbal (UOMUS)						
69.	EEE506: Senibina dan Rekabentuk Sistem Terbenam [T] <i>(Embedded System Architecture and Design)</i>	3	50:50	Assignment Practical Project Quiz Test	10 3 25 2 10	Prof. Dr. Haider Jabbar Abd Nasar* (UOMUS)
70.	EEE507: Rekabentuk Litar Bersepadu Analog Termaju [E] <i>(Advanced Analogue Integrated Circuit Design)</i>	3	50:50	Assignment Project Quiz Test	10 20 5 15	Prof. Dr. Qais Kareem Al-Gayem* (UOMUS)
71.	EEE508: Pemprosesan Isyarat Digit Dan Imej Lanjutan [E] <i>(Advanced Digital Signal and Image Processing)</i>	3	50:50	Assignment Project Quiz Test	28 10 4 8	Prof. Dr. Bayan Mahdi Sabbar* (UOMUS)
72.	EEE511: Teknologi Internet Benda [E] <i>(Internet of Things (IoT) Technology)</i>	3	50:50	Assignment Project Test	20 20 10	Assoc. Prof. Dr. Hamza Mohammed Ridha Al-Khafaji* (UOMUS)
73.	EEE513: Rekabentuk Litar Mikrogelombang [E] <i>(Microwave Circuit Design)</i>	3	50:50	Assignment Report Simulation Test	10 20 10 10	Prof. Dr. Abdulkareem Abdulrahman Kadhim* (UOMUS)
74.	EEE514: Elektronik Kuasa Industri [E] <i>(Industrial Power Electronics)</i>	3	50:50	Assignment Quiz Test	30 5 15	Assoc. Prof. Dr. Oday Ali Ahmed* (UOMUS)

Note: * Course leader.