SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING

LIST OF COURSES FOR SEMESTER 2, ACADEMIC SESSION 2025/2026

NO	CODE / TITLE OF COURSES	UNIT	CW:EW	CW DISTRIBUTION	%	ACADEMIC STAFF
LEVEL 100						
1.	EEE125: Makmal Asas Litar [T] *(Basic Circuit Laboratory)*	3	100:0	Experiment Practical Test Project	45 20 35	***AP. Dr. Muhammad Firdaus Akbar Jalaludin Khan**** AP. Dr. Bakhtiar Affendi Rosdi AP. Dr. Haidi Ibrahim AP. Dr. Nur Syazreen Ahmad AP. Dr. Patrick Goh Kuan Lye Mr. Zulfiqar Ali Abd Aziz
2.	EEE130: Elektronik Digit I [T] *(Digital Electronic 1)*	3	40:60	Assignment Quiz Test	30 5 5	***AP. Dr. Patrick Goh Kuan Lye**** Prof. Ir. Dr. Nor Ashidi Mat Isa
3.	EEE131: Peranti Semikonduktor [T] *(Semiconductor Devices)*	3	40:60	Assignment Quiz Test	20 5 15	***Ts. Dr. Nur Zatil Ismah Hashim**** Ts. Dr. Siti Fatimah Abd Rahman
4.	EEL102: Amalan Kejuruteraan [T] *(Engineering Practice)*	2	100:0	Assignment Experiment Project Test	10 34 40 16	***Dr. Shaili Falina Mohd Sukri**** Dr. Selva Kumar Mariappan
5.	EEM103: Peranti Elektronik & Litar Analog *(Electronic Devices & Analog Circuits)*	4	40:60	Assignment Quiz Test	20 5 15	***Ts. Dr. Siti Fatimah Abd Rahman**** Dr. Nor Rizuan Mat Noor
6.	EEU104: Teknologi Elektrik [T] *(Electrical Technology)* *(For PPKBSM, PPKAero students)*	3	40:60	Assignment Quiz Test Tutorial	20 5 5 10	***Dr. Nor Azizah Mohd Yusoff**** AP. Dr. Zuraini Dahari
7.	EMM102: Statik [T] *(Statics)*	3	40:60	Assignment Test	20 20	Offered by School of Mechanical Engineering
8.	EUM114: Kalkulus Kejuruteraan Lanjutan [T] *(Advanced Engineering Calculus)*	3	40:60	Assignment Quiz Test	30 4 6	***AP. Dr. Dzati Athiar Ramli**** Dr. Aeizaal Azman Abd Wahab
9.	WUS101: Keusahawanan [U] *(Entrepreneurship)* (*For Malaysian students*)	2	100:0	Participation in Planning Presentation Quiz Report	40 20 10 30	Offered by Co-Curriculum Center ***Dr. Nor Azlin Ghazali (Coordinator)***

LEVEL 200						
10.	EEE226: Mikropemproses I [T] *(Microprocessor I)*	3	100:0	Assignment Experiment Project Quiz Test	10 20 30 10 30	***Dr. Ahmad Nazri Ali**** AP. Dr. Syed Sahal Nazli Alhady Syed Hassan AP. Dr. Zaini Abd Halim Dr. Mohd Shahrimie Mohd Asaari Dr. Sami Abdulla Mohsen Saleh
11.	EEE243: Makmal Elektronik Analog [T] *(Analog Electronics Laboratory)*	3	100:0	Experiment Practical Test Presentation Project	30 25 10 35	***Dr. Intan Sorfina Zainal Abidin**** AP. Ir. Dr. Mohamed Fauzi Packeer Mohamed AP. Dr. Nor Muzlifah Mahyuddin Ts. Dr. Nur Zatil Ismah Hashim Dr. Mohamad Adzhar Md Zawawi Mr. Zulfiqar Ali Abd Aziz
12.	EEE270: Elektronik Analog II [T] *(Analogue Electronics II)*	3	40:60	Assignment Quiz Test	30 5 5	***AP. Dr. Mohd Tafir Mustaffa**** Dr. Selva Kumar Mariappan
13.	EEE276: Teori Elektromagnet [T] *(Electromagnetic Theory)*	3	40:60	Assignment Quiz Report	25 10 5	***Prof. Ir. Dr. Widad Ismail**** Dr. Intan Sorfina Zainal Abidin
14.	EEK241: Teknologi Elektrik Kuasa [T] *(Electrical Power Technology)*	3	40:60	Assignment Experiment Quiz Test	20 10 5 5	***Dr. Mohamed Salem Mohamed Othman**** Dr. Ramya Ramaswamy
15.	EEK260: Mesin Elektrik [T] *(Electrical Machines)*	3	40:60	Assignment Quiz Test	30 5 5	***Dr. Muhammad Najwan Hamidi**** Prof. Ir. Dr. Mohamad Kamarol Mohd Jamil
16.	EEK263: Etika & Pengurusan Profesional bagi Jurutera [T] *(Ethics & Professional Management for Engineers)*	3	100:0	Assignment Test Project	20 40 40	***Prof. Ir. Dr. Mohamad Kamarol Mohd Jamil**** AP. Ir. Dr Teoh Soo Siang
17.	EEM222: Asas Dinamik & Mekanisma [T] *(Fundamentals of Dynamics & Mechanisms)*	4	40:60	Assignment Quiz Test	30 5 5	***Ir. Dr. Mohamad Tarmizi Abu Seman**** Dr. Wan Amir Fuad Wajdi Othman
18.	EEM253: Rekabentuk Mekatronik I [T] *(Mechatronic Design 1)*	2	50:50	Assignment Experiment Project Test	5 10 20 15	***AP. Ts. Dr. Fatanah Mohamad Suhaimi**** AP. Dr. Khoo Bee Ee
19.	HFE224/2: Penghayatan Etika dan Peradaban [U] (*Appreciation of Ethics and Civilisation*) (*For Malaysian students*)	2	100:0	Test Quiz Presentation Assignment	30 10 30 30	Offered by School of Humanities ***Dr. Mohd Shahrimie Mohd Asaari (Coordinator)***
20.	SEA205E: Kajian Malaysia (*Malaysian Studies*) *(For intenational students – Second year)*	4	100:0	Assignment Presentation Essay	40 20 40	Offered by School of Social Sciences ***AP. Ir. Dr. Mohamed Fauzi Packeer Mohamed*** ***(Coordinator)***

LEVEL 300						
21.	EEE304: Rekabentuk Litar Bersepadu Digital [E] (*Digital Integrated Circuit Design*)	4	50:50	Assignment Project Test	15 25 10	***Dr. Nor Azlin Ghazali**** Prof. Dr. Asrulnizam Abd Manaf
22.	EEE348: Pengantar Rekabentuk Litar Bersepadu [T] (*Introduction to Integrated Circuit Design*)	3	50:50	Assignment Project Test	10 30 10	***AP. Dr. Bakhtiar Affendi Rosdi**** AP. Dr. Jagadheswaran Rajendran
23.	EEE349: Sistem Terbenam dan Internet Benda [E] (*Embedded System and IoT*)	4	50:50	Assignment Presentation Project Test	10 5 20 15	***AP. Dr. Zaini Abdul Halim**** Prof. Ir. Dr. Widad Ismail
24.	EEE354: Sistem Kawalan Digit [T] *(Digital Control Systems)*	3	40:60	Assignment Quiz Test	30 3 7	***Dr. Sami Abdulla Mohsen Saleh**** Dr. Suhardi Azliy Junoh
25.	EEE377: Perhubungan Digit [E] *(Digital Communications)*	4	50:50	Assignment Test	38 12	***AP. Dr. Nor Muzlifah Mahyuddin**** AP. Dr. Mohd Fadzli Mohd Salleh
26.	EEE379: Sistem Komputer dan Multimedia [T] *(Computer System and Multimedia)*	3	50:50	Assignment Project Quiz Test	13 25 4 8	***AP. Dr. Haidi Ibrahim**** Dr. Mohd Nazri Mahmud
27.	EEE382: Kebarangkalian dan Statistik Kejuruteraan [T] *(Probability & Engineering Statistic)*	3	40:60	Assignment Quiz Test	30 5 5	***Dr. Aeizaal Azman Abdul Wahab**** AP. Dr. Dzati Athiar Ramli
28.	EEK360: Makmal Elektrikal [T] *(Electrical Laboratory)*	3	100:0	Experiment Report	40 60	***Ir. Dr. Muhammad Hafeez Mohamed Hariri**** AP. Ir. Ts. Dr. Teh Jiashen Dr. Hussein Ali Mohammed Shutari Dr. Noor Dzulaikha Daud Dr. Ooi Chia Ai
29.	EEK372: Analisis Sistem Kuasa [T] *(Power System Analysis).*	3	40:60	Assignment Simulation Test	20 10 10	***Dr. Noor Dzulaikha Daud**** Ir. Dr. Muhammad Hafeez Mohamed Hariri
30.	EEK373: Elektronik Kuasa Lanjutan [E] *(Advanced Power Electronics)*	4	50:50	Assignment Test	38 12	***Dr. Ooi Chia Ai**** Dr. Muhammad Najwan Hamidi
31.	EEK374: Instrumentasi Elektrik dan Pengukuran [T] *(Electrical Instrumentations and Measurement)*	3	50:50	Assignment Project Test	25 15 10	***AP. Ir. Dr. Teoh Soo Siang**** Dr. Mohamed Salem Mohamed Othman
32.	EEK376: Tenaga Diperbaharui [E] (Renewable Energy)	4	50:50	Lab Simulation Test	15 15 20	***AP. Ir. Ts. Dr. Teh Jiashen**** Dr. Mohd Khairunaz Mat Desa
33.	EEM323: Sistem Peralatan dan Pengukuran [T] *(Instrumentation and Measurement Systems)*	3	40:60	Assignment Quiz Test	25 5 10	***Dr. Suhardi Azliy Junoh**** AP. Ir. Dr. Rosmiwati Mohd Mokhtar

34.	EEM340: Sistem Berautonomi (*Autonomous System*)	4	50:50	Assignment Project Test	10 30 10	***AP. Dr. Wan Mohd Yusof Rahiman Wan Abdul Aziz**** Dr. Abdul Sattar Din
35.	EEM341: Rekabentuk Ujikaji [E] (Design of Experiments)	4	50:50	Assignment Project Test	10 30 10	***Ts. Dr. Noramalina Abdullah**** AP. Dr. Muhammad Firdaus Akbar Jalaludin Khan
36.	EEM343: Robotik [T] *(Robotics)*	3	50:50	Assignment Project Quiz Test	10 30 4 6	***Dr. Abdul Sattar Din**** AP. Dr. Muhammad Nasiruddin Mahyuddin
37.	EEM344: Makmal Mekatronik II [T] *(Mechatronics Laboratory II)*	2	100:0	Practical Test Report Test Viva voce	10 60 10 20	***Dr. Wan Amir Fuad Wajdi Othman**** AP. Dr. Wan Mohd Yusof Rahiman Wan Abdul Aziz Ir. Dr. Mohamad Tarmizi Abu Seman Dr. Nor Azizah Mohd Yusoff
LEVEL 400						
38.	EEE499: Project Prasiswazah [T] *(Undergraduate Project)* *(For Electronic Engineering students)*	6	100:0	Dissertation Proposal Report Technical Paper Viva voce	50 5 10 10 25	***Dr. Mohamad Adzhar Md Zawawi**** ***(Coordinator)***
39.	EEK470 Sistem Pengagihan Elektrik Kuasa [T] *(Electric Power Distribution System)*	4	40:60	Assignment Test	30 10	***Dr. Hussein Ali Mohammed Shutari**** Dr. Ramya Ramaswamy
40.	EEK499: Project Prasiswazah [T] *(Undergraduate Project)* *(For Electrical Engineering students)*	6	100:0	Dissertation Proposal Report Technical Paper Viva voce	50 5 10 10 25	***Dr. Mohd Khairunaz Mat Desa*** ***(Coordinator)***
41.	EEM421: Kaedah Kualiti [T] *(Quality Techniques)*	4	50:50	Assignment Logbook Quiz Viva voce	20 18 8 4	***AP. Dr. Nur Syazreen Ahmad**** Ts. Dr. Noramalina Abdullah
42.	EEM499: Project Prasiswazah [T] *(Undergraduate Project)* *(For Mechatronic Engineering students)*	6	100:0	Dissertation Proposal Report Technical Paper Viva voce	50 5 10 10 25	***AP. Dr. Zuraini Dahari*** ***(Coordinator)***
43.	EEX400: Kajian Bebas [E] *(Independent Studies)*	4	100:0	Report	100	***AP. Ir. Dr. Rosmiwati Mohd Mokhtar (Coordinator)***
LEVEL 500						
44.	EKC500: Metodologi Penyelidikan Sains & Kejuruteraan [T] (*Science & Engineering Research Methodology*)	3	100:0	Presentation Research Proposal	30 70	***AP. Dr. Muhammad Nasiruddin Mahyuddin*** ***(Coordinator)***

LEVEL 500 – MSc ESDE In House						
45.	EEE518: Sistem-Sistem Pintar [E] *(Intelligent Systems)*	3	50:50	Assignment Project Quiz Test	10 20 5 15	***Dr. Ahmad Nazri Ali**** AP. Dr. Syed Sahal Nazli Alhady Syed Hassan
46.	EEE527: Perhubungan Data dan Rangkaian Komputer [E] *(Data Communications and Computer Networks)*	3	50:50	Assignment Project Test	20 10 20	***Dr. Nor Rizuan Mat Noor**** AP. Dr. Mohd Fadzli Mohd Salleh
47.	EEE533: Disertasi [T] *(Dissertation)*	28	100:0	Dissertation Viva	70 30	***Dr. Mohd Nazri Mahmud*** ***(Coordinator)***
48.	EEE555: Disertasi [T] *(Dissertation)*	24	100:0	Dissertation Viva	70 30	***Dr. Mohd Nazri Mahmud*** ***(Coordinator)***
LEVEL 500 – MSc ESDE Industry						
49.	EEE506: Senibina dan Rekabentuk Sistem Terbenam [T] *(Embedded System Architecture and Design)*	3	50:50	Test Quiz Assignment Practical Project	10 2 10 3 25	***AP. Dr. Syed Sahal Nazli Alhady Syed Hassan**** AP. Dr. Zaini Abd Halim
50.	EEE507: Rekabentuk Litar Bersepadu Analog Termaju [E] *(Advanced Analogue Integrated Circuit Design)*	3	50:50	Test Quiz Assignment Project	15 5 10 20	***Dr. Nor Azlin Ghazali**** AP. Dr. Jagadheswaran Rajendran
51.	EEE508: Pemprosesan Isyarat Digit Dan Imej Lanjutan [E] *(Advanced Digital Signal and Image Processing)*	3	50:50	Test Quiz Assignment Project	8 4 28 10	***AP. Dr. Haidi Ibrahim**** Dr. Sami Abdulla Mohsen Saleh
52.	EEE511: Teknologi Internet Benda [E] *(Internet of Things (IoT) Technology)*	3	50:50	Test Assignment Project	10 20 20	***Dr. Mohd Shahrimie Mohd Asaari**** Ts. Dr. Noramalina Abdullah
53.	EEE515: Integriti Isyarat Bagi Rekabentuk Digital Halaju Tinggi [E] *(Signal Integrity for High-Speed Digital Design)*	3	50:50	Test Assignment Experiment Project	10 10 10 20	***AP. Dr. Patrick Goh Kuan Lye**** Lecturer from industry
54.	EEE518: Sistem-Sistem Pintar [E] *(Intelligent Systems)*	3	50:50	Test Quiz Assignment Project	15 5 10 20	***Dr. Ahmad Nazri Ali**** AP. Dr. Syed Sahal Nazli Alhady Syed Hassan
55.	EEE527: Perhubungan Data dan Rangkaian Komputer [E] *(Data Communications and Computer Networks)*	3	50:50	Test Assignment Project	20 20 10	***Dr. Nor Rizuan Mat Noor**** AP. Dr. Mohd Fadzli Mohd Salleh
56.	EEE537: Peranti Semikonduktor dan Teknologi Pepejal [E] *(Semiconductor Devices and Solid-State Technology)*	3	50:50	Test Project Assignment	10 20 20	***Ts. Dr. Nur Zatil 'Ismah Hashim**** Prof. Dr. Asrulnizam Bin Abd Manaf
57.	EEE533: Disertasi [T]	28	100:0	Dissertation	70	***Dr. Mohd Nazri Mahmud***

	(Dissertation)			Viva	30	***(Coordinator)***
58.	EEE538: Metodologi Penyelidikan Kejuruteraan dan Teknologi [T] *(Engineering and Technology Research Methodology)*	4	100:0	Proposal Presentation	70 30	***Dr. Mohd Nazri Mahmud*** ***(Coordinator)***
59.	EEE555: Disertasi [T] *(Dissertation)*	24	100:0	Dissertation Viva	70 30	***Dr. Mohd Nazri Mahmud*** ***(Coordinator)***
LEVEL 500 – MSc ESDE Offshore Al-Mustaqbal (UOMUS)						
60.	EEE518G: Sistem-Sistem Pintar [E] (*Intelligent Systems*)	3	50:50	Test Quiz Assignment Project	15 5 10 20	***Prof. Dr. Mehdi Ebady Manaa**** ***(UOMUS)***
61.	EEE521G: Rangkaian Perhubungan Data dan Komputer [E] *(Computer and Data Communications Networks)*	4	50:50	Test Assignment Project	20 20 10	***Assoc. Prof. Dr. Hamza Mohammed Ridha Al-Khafaji**** ***(UOMUS)***
62.	EEE538G: Metodologi Penyelidikan Kejuruteraan dan Teknologi [T] *(Engineering and Technology Research Methodology)*	4	100:0	Proposal Presentation	70 30	***Dr. Mohd Nazri Mahmud*** ***(Coordinator)***
63.	EEE519G: Dissertation	20	100:0	Dissertation Viva	70 30	***Dr. Mohd Nazri Mahmud*** ***(Coordinator)***
64.	LKM111: Budaya Malaysia dan Bahasa Melayu (*Malaysian Culture and Malay Language*)	2				Offered by School of Languages, Literacies and Translation

Note: * Course leader.