

SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING

LIST OF COURSES FOR SEMESTER 2, ACADEMIC SESSION 2024/2025

NO	CODE / TITLE OF COURSES	UNIT	CW:EW	CW DISTRIBUTION	%	ACADEMIC STAFF
LEVEL 100						
1.	EEE125: Makmal Asas Litar [T] <i>(Basic Circuit Laboratory)</i>	3	100:0	Experiment Practical Test Project	45 20 35	AP. Dr. Patrick Goh Kuan Lye* AP. Dr. Bakhtiar Affendi Rosdi AP. Dr. Jagadheswaran Rajendran Ts. Dr. Noramalina Abdullah Dr. Abdul Sattar Din Dr. Aeizal Azman Abd Wahab Dr. Nor Azlin Ghazali Mr. Zulfiqar Ali Abd Aziz
2.	EEE130: Elektronik Digit I [T] <i>(Digital Electronic 1)</i>	3	40:60	Assignment Quiz Test	30 5 5	Prof. Ir. Dr. Nor Ashidi Mat Isa* AP. Dr. Patrick Goh Kuan Lye
3.	EEE131: Peranti Semikonduktor [T] <i>(Semiconductor Devices)</i>	3	40:60	Assignment Quiz Test	20 5 15	Dr. Nur Zatil Ismah Hashim* Ts. Dr. Siti Fatimah Abd Rahman
4.	EEL102: Amalan Kejuruteraan [T] <i>(Engineering Practice)</i>	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 <i>(Electronic Devices & Analog Circuits)</i>	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] <i>(Electrical Technology)</i> <i>(For PPKK, PPKBSM, PPKAero students)</i>	3	40:60	Assignment Quiz Test Tutorial	20 5 5 10	Dr. Nor Azizah Mohd Yusoff* AP. Dr. Zuraini Dahari
7.	EMM102: Statik [T] <i>(Statics)</i>	3	40:60	Assignment Test	20 20	Offered by School of Mechanical Engineering
8.	EUM114: Kalkulus Kejuruteraan Lanjutan [T] <i>(Advanced Engineering Calculus)</i>	3	40:60	Assignment Quiz Test	30 4 6	Dr. Aeizal Azman Abd Wahab* AP. Dr. Dzati Athiar Ramli
9.	WUS101: Keusahawanan [U] <i>(Entrepreneurship)</i> <i>(For Malaysian students)</i>	2	100:0	Participation in Planning Presentation Quiz Report	40 20 10 30	Offered by Co-Curriculum Center Dr. Mohd Khairunaz Mat Desa (Coordinator)

LEVEL 200						
10.	EEE226: Mikropemproses I [T] (<i>Microprocessor I</i>)	3	100:0	Assignment Experiment Project Quiz Test	10 20 30 10 30	AP. Dr. Zaini Abd Halim* AP. Dr. Syed Sahal Nazli Alhady Syed Hassan Dr. Ahmad Nazri Ali Dr. Mohd Shahrinie Mohd Asaari Dr. Sami Abdulla Mohsen Saleh
11.	EEE243: Makmal Elektronik Analog [T] (<i>Analog Electronics Laboratory</i>)	3	100:0	Experiment Practical Test Presentation Project	30 25 10 35	Dr. Mohamad Adzhar Md Zawawi* AP. Ir. Dr. Mohamed Fauzi Packeer Mohamed AP. Dr. Mohd Tafir Mustaffa Dr. Nur Zatil Ismah Hashim Mr. Zulfiqar Ali Abd Aziz
12.	EEE270: Elektronik Analog II [T] (<i>Analogue Electronics II</i>)	3	40:60	Assignment Quiz Test	30 5 5	AP. Dr. Mohd Tafir Mustaffa* Dr. Shaili Falina Mohd Sukri
13.	EEE276: Teori Elektromagnet [T] (<i>Electromagnetic Theory</i>)	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] (<i>Electrical Power Technology</i>)	3	40:60	Assignment Experiment Quiz Test	20 10 5 5	Dr. Mohamed Salem Mohamed Othman* Dr. Noor Zulaikha Daud
15.	EEK260: Mesin Elektrik [T] (<i>Electrical Machines</i>)	3	40:60	Assignment Quiz Test	30 5 5	Dr. Muhammad Najwan Hamidi* Prof. Ir. Dr. Mohamad Kamarol Mohd Jamil
16.	EEM222: Asas Dinamik & Mekanisma [T] (<i>Fundamentals of Dynamics & Mechanisms</i>)	4	40:60	Assignment Quiz Test	30 5 5	Ir. Dr. Mohamad Tarmizi Abu Seman* Dr. Wan Amir Fuad Wajdi Othman
17.	EEM253: Rekabentuk Mekatronik I [T] (<i>Mechatronic Design 1</i>)	2	50:50	Assignment Experiment Project Test	5 10 20 15	AP. Ts. Dr. Fatanah Mohamad Suhaimi* AP. Dr. Khoo Bee Ee
18.	EUP222: Jurutera Dalam Masyarakat [T] (<i>Engineer in Society</i>)	3	100:0	Assignment Test Project	20 40 40	Offered by School of Civil Engineering AP. Ir. Dr. Teoh Soo Siang Lecturers from School of Civil Engineering
19.	HFE224/2: Penghayatan Etika dan Peradaban [U] (<i>Appreciation of Ethics and Civilisation</i>) (<i>For Malaysian students</i>)	2	100:0	Test Quiz Presentation Assignment	30 10 30 30	Offered by School of Humanities AP. Dr. Dzati Athiar Ramli (Coordinator)
20.	SEA205E: Kajian Malaysia (<i>Malaysian Studies</i>) (<i>For international students – Second year</i>)	4	100:0	Assignment Presentation Essay	40 20 40	Offered by School of Social Sciences AP. Dr. Zaini Abdul Halim (Coordinator)

LEVEL 300						
21.	EEE301: Pengujian dan Pengukuran Peranti Semikonduktor [E] <i>(Semiconductor Device Test and Measurement)</i>	4	50:50	Assignment Experiment Project Test	15 15 10 10	AP. Ir. Dr. Mohamed Fauzi Packeer Mohamed* Dr. Mohamad Adzhar Md Zawawi
22.	EEE322: Kejuruteraan Gelombang Mikro & RF [E] <i>(RF & Microwave Engineering)</i>	4	50:50	Assignment Presentation Report Simulation Test	5 5 20 10 10	Dr. Intan Sorfina Zainal Abidin* Dr. Selva Kumar A/L Mariappan
23.	EEE344: Sistem VLSI [E] <i>(System VLSI)</i>	4	50:50	Assignment Project Test	10 30 10	Dr. Nor Azlin Ghazali* AP. Dr. Asrulnizam Abd Manaf
24.	EEE348: Pengantar Rekabentuk Litar Bersepadu [T] <i>(Introduction to Integrated Circuit Design)</i>	3	50:50	Assignment Project Test	10 30 10	AP. Dr. Bakhtiar Affendi Rosdi* AP. Dr. Jagadheswaran Rajendran
25.	EEE354: Sistem Kawalan Digit [T] <i>(Digital Control Systems)</i>	3	40:60	Assignment Quiz Test	30 3 7	Dr. Sami Abdulla Mohsen Saleh* Dr. Suhardi Azliy Junoh
26.	EEE355: Robot & Pengautomatan [E] <i>(Robotic & Automation)</i>	4	50:50	Assignment Project Quiz Test	10 30 4 6	Dr. Abdul Sattar Din* AP. Dr. Muhammad Nasiruddin Mahyuddin
27.	EEE377: Perhubungan Digit [E] <i>(Digital Communications)</i>	4	50:50	Assignment Test	38 12	AP. Dr. Mohd Fadzli Mohd Salleh* AP. Dr. Nor Muzlifah Mahyuddin
28.	EEE379: Sistem Komputer dan Multimedia [T] <i>(Computer System and Multimedia)</i>	3	50:50	Assignment Project Quiz Test	13 25 4 8	AP. Dr. Haidi Ibrahim* Dr. Mohd Nazri Mahmud
29.	EEK360: Makmal Elektrikal [T] <i>(Electrical Laboratory)</i>	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. Muhammad Najwan Hamidi Dr. Ooi Chia Ai
30.	EEK372: Analisis Sistem Kuasa [T] <i>(Power System Analysis).</i>	3	40:60	Assignment Simulation Test	20 10 10	Dr. Noor Zulaikha Daud* Ir. Dr. Muhammad Hafeez Mohamed Hariri
31.	EEK373: Elektronik Kuasa Lanjutan [E] <i>(Advanced Power Electronics)</i>	4	50:50	Assignment Test	38 12	Dr. Ooi Chia Ai* Dr. Mohd Khairunaz Mat Desa
32.	EEK374: Instrumentasi Elektrik dan Pengukuran [T] <i>(Electrical Instrumentations and Measurement)</i>	3	50:50	Assignment Project Test	25 15 10	AP. Ir. Dr. Teoh Soo Siang* Dr. Mohamed Salem Mohamed Othman

33.	EEM323: Sistem Peralatan dan Pengukuran [T] <i>(Instrumentation and Measurement Systems)</i>	3	40:60	Assignment Quiz Test	25 5 10	AP. Ir. Dr. Rosmiwati Mohd Mokhtar* Dr. Suhardi Azliy Junoh
34.	EEM343: Robotik [T] <i>(Robotics)</i>	3	50:50	Assignment Project Quiz Test	10 30 4 6	AP. Dr. Muhammad Nasiruddin Mahyuddin* Dr. Abdul Sattar Din
35.	EEM344: Makmal Mekatronik II [T] <i>(Mechatronics Laboratory II)</i>	2	100:0	Practical Test Report Test Viva voce	10 60 10 20	AP. Dr. Zuraini Dahari* AP. Dr. Khoo Bee Ee AP. Dr. Wan Mohd Yusof Rahiman Wan Abdul Aziz Dr. Nor Azizah Mohd Yusoff
36.	EEM348: Prinsip Sistem Pintar [E] <i>(Principle of Intelligent Systems)</i>	4	50:50	Assignment Presentation Project Quiz Test	18 2 20 2 8	Dr. Mohd Shahrime Mohd Asaari* Prof. Ir. Ts. Dr. Shahrel Azmin Suandi
37.	EEM354: Pengurusan dan Teknologi Pembuatan [E] <i>(Manufacturing Management and Technology)</i>	4	50:50	Assignment Quiz Test	35 5 10	AP. Dr. Wan Mohd Yusof Rahiman Wan Abdul Aziz* Ir. Dr. Mohamad Tarmizi Abu Seman
LEVEL 400						
38.	EEE499: Project Prasiswazah [T] <i>(Undergraduate Project)</i> <i>(For Electronic Engineering students)</i>	6	100:0	Dissertation Proposal Report Technical Paper Viva voce	50 5 10 10 25	AP. Dr. Haidi Ibrahim (Coordinator)
39.	EEK470 Sistem Pengagihan Elektrik Kuasa [T] <i>(Electric Power Distribution System)</i>	4	40:60	Assignment Test	30 10	AP. Ir. Ts. Dr. Teh Jiashen* Dr. Hussein Ali Mohammed Shutari
40.	EEK499: Project Prasiswazah [T] <i>(Undergraduate Project)</i> <i>(For Electrical Engineering students)</i>	6	100:0	Dissertation Proposal Report Technical Paper Viva voce	50 5 10 10 25	Prof. Ir. Dr. Mohamad Kamarol Mohd Jamil (Coordinator)
41.	EEM421: Kaedah Kualiti [T] <i>(Quality Techniques)</i>	4	50:50	Assignment Logbook Quiz Viva voce	20 18 8 4	Ts. Dr. Noramalina Abdullah* AP. Dr. Nur Syazreen Ahmad Lecturer from industry
42.	EEM499: Project Prasiswazah [T] <i>(Undergraduate Project)</i> <i>(For Mechatronic Engineering students)</i>	6	100:0	Dissertation Proposal Report Technical Paper Viva voce	50 5 10 10 25	AP. Dr. Khoo Bee Ee (Coordinator)
43.	EEX400: Kajian Bebas [E] <i>(Independent Studies)</i>	4	100:0	Report	100	Prof. Ir. Ts. Dr. Shahrel Azmin Suandi (Coordinator)

LEVEL 500						
44.	EKC500: Metodologi Penyelidikan Sains & Kejuruteraan [T] <i>(Science & Engineering Research Methodology)</i>	3	100:0	Presentation Research Proposal	30 70	AP. Dr. Muhammad Nasiruddin Mahyuddin (Coordinator)
LEVEL 500 – MSc ESDE In House						
45.	EEE516: Antena dan Perambatan Termaju [E] <i>(Advanced Antenna and Propagation)</i>	3	50:50	Assignment Practical Report Report Test	15 15 10 10	AP. Dr. Nor Muzlifah Mahyuddin* Prof. Ir. Dr. Widad Ismail
46.	EEE517: Sistem Kawalan Termaju [E] <i>(Advanced Control System)</i>	3	50:50	Assignment Quiz Test	25 10 15	AP. Dr. Nur Syazreen Ahmad* AP. Ir. Dr. Rosmiwati Mohd Mokhtar
47.	EEE518: Sistem-Sistem Pintar [E] <i>(Intelligent Systems)</i>	3	50:50	Assignment Project Quiz Test	10 20 5 15	Dr. Ahmad Nazri Ali* AP. Dr. Syed Sahal Nazli Alhady Syed Hassan
48.	EEE526: Robotik Termaju [E] <i>(Advanced Robotics)</i>	3	50:50	Assignment Project Quiz Test	7 30 3 10	Dr. Wan Amir Fuad Wajdi Othman* AP. Dr. Muhammad Nasiruddin Mahyuddin
49.	EEE527: Perhubungan Data dan Rangkaian Komputer [E] <i>(Data Communications and Computer Networks)</i>	3	50:50	Assignment Project Test	20 10 20	Dr. Nor Rizuan Mat Noor* AP. Dr. Mohd Fadzli Mohd Salleh
50.	EEE533: Disertasi [T] <i>(Dissertation)</i>	28	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)
51.	EEE555: Disertasi [T] <i>(Dissertation)</i>	24	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)
LEVEL 500 – MSc ESDE Industry						
52.	EEE506: Senibina dan Rekabentuk Sistem Terbenam [T] <i>(Embedded System Architecture and Design)</i>	3	50:50	Test Quiz Assignment Practical Project	10 2 10 3 25	AP Dr. Syed Sahal Nazli Alhady Syed Hassan* Lecturer from industry
53.	EEE507: Rekabentuk Litar Bersepadu Analog Termaju [E] <i>(Advanced Analogue Integrated Circuit Design)</i>	3	50:50	Test Quiz Assignment Project	15 5 10 20	Dr. Mohamad Adzhar Md Zawawi* AP. Ir. Dr. Mohamed Fauzi Packeer Mohamed
54.	EEE508: Pemprosesan Isyarat Digit Dan Imej Lanjutan [E] <i>(Advanced Digital Signal and Image Processing)</i>	3	50:50	Test Quiz Assignment Project	8 4 28 10	AP Dr. Haidi Ibrahim* AP Dr. Bakhtiar Affendi Rosdi
55.	EEE511: Teknologi Internet Benda [E] <i>(Internet of Things (IoT) Technology)</i>	3	50:50	Test Assignment Project	10 20 20	Dr. Mohd Shahrime Mohd Asaari* Ts. Dr. Noramalina Abdullah

56.	EEE515: Integriti Isyarat Bagi Rekabentuk Digital Halaju Tinggi [E] <i>(Signal Integrity for High-Speed Digital Design)</i>	3	50:50	Test Assignment Experiment Project	10 10 10 20	AP. Dr. Patrick Goh Kuan Lye* Lecturer from industry
57.	EEE518: Sistem-Sistem Pintar [E] <i>(Intelligent Systems)</i>	3	50:50	Test Quiz Assignment Project	15 5 10 20	Dr. Ahmad Nazri Ali* AP. Dr. Syed Sahal Nazli Alhady Syed Hassan
58.	EEE527: Perhubungan Data dan Rangkaian Komputer [E] <i>(Data Communications and Computer Networks)</i>	3	50:50	Test Assignment Project	20 20 10	Dr. Nor Rizuan Mat Noor* AP. Dr. Mohd Fadzli Mohd Salleh
59.	EEE537: Peranti Semikonduktor dan Teknologi Pepejal [E] <i>(Semiconductor Devices and Solid-State Technology)</i>	3	50:50	Test Project Assignment	10 20 20	Dr. Nur Zatil 'Ismah Hashim* AP Dr. Asrulnizam Bin Abd Manaf
60.	EEE533: Disertasi [T] <i>(Dissertation)</i>	28	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)
61.	EEE538: Metodologi Penyelidikan Kejuruteraan dan Teknologi [T] <i>(Engineering and Technology Research Methodology)</i>	4	100:0	Proposal Presentation	70 30	Dr. Mohd Nazri Mahmud (Coordinator)
62.	EEE555: Disertasi [T] <i>(Dissertation)</i>	24	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)
LEVEL 500 – MSc ESDE Offshore AI-Mustaqbal (UOMUS)						
63.	EEE516G: Antena dan Perambatan Termaju [E] <i>(Advanced Antenna and Propagation)</i>	3	50:50	Assignment Test Practical Report Project Report	15 10 15 10	Prof. Dr. Haider Jabbar Abd Nasar* (UOMUS)
64.	EEE517G: Sistem Kawalan Termaju [E] <i>(Advanced Control System)</i>	3	50:50	Assignment Test Quiz	25 15 10	Prof. Dr. Bayan Mahdi Sabbar* (UOMUS)
65.	EEE518G: Sistem-Sistem Pintar [E] <i>(Intelligent Systems)</i>	3	50:50	Test Quiz Assignment Project	15 5 10 20	Prof. Dr. Mehdi Ebady Manaa* (UOMUS)
66.	EEE526G: Robotik Termaju [E] <i>(Advanced Robotics)</i>	3	50:50	Project Test Assignment Quiz	30 10 7 3	Prof. Dr. Qais Kareem Al-Gayem* (UOMUS)
67.	EEE521G: Rangkaian Perhubungan Data dan Komputer [E] <i>(Computer and Data Communications Networks)</i>	4	50:50	Test Assignment Project	20 20 10	Assoc. Prof. Dr. Hamza Mohammed Ridha Al-Khafaji* (UOMUS)
68.	EEE538G: Metodologi Penyelidikan Kejuruteraan dan Teknologi [T] <i>(Engineering and Technology Research Methodology)</i>	4	100:0	Proposal Presentation	70 30	Dr. Mohd Nazri Mahmud (Coordinator)
69.	LKM111 Budaya Malaysia dan Bahasa Melayu	2				Offered by School of Languages, Literacies and Translation

	<i>(Malaysian Culture and Malay Language)</i>					
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Note: * Course leader.