

SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING

LIST OF COURSES FOR SEMESTER 1, ACADEMIC SESSION 2022/2023

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	Test Project Assignment	10 10 20	Prof. Ir. Dr. Nor Ashidi Mat Isa* Dr. Nor Azlin Ghazali Dr. Siti Fatimah Abd Rahman
2.	EEE123: Pengaturcaraan Komputer untuk Jurutera [T] <i>(Computer Programming for Engineers)</i>	3	100:0	Test Project Programming	50 30 20	Dr. Nor Rizuan Mat Noor*
3.	EEM101: Prinsip dan Mekanik Bahan [T] <i>(Principles and Mechanics of Materials)</i>	3	40:60	Test Quiz Assignment	5 5 30	Ir. Dr. Mohamad Tarmizi Abu Seman* Dr. Abdul Sattar Din
4.	EEM102: Amalan Kejuruteraan Mekatronik [T] <i>(Mechatronic Engineering Practice)</i> (For mechatronic engineering students)	2	100:0	Test Assignment Practical Practical report Project	20 20 20 20 20	Prof. Ir. Dr. Mohd Fadzil Ain* Dr. Muhammad Najwan Hamidi
5.	EEU104: Teknologi Elektrik [T] <i>(Electrical Technology)</i> (For mechanical engineering students)	3	40:60	Test Quiz Assignment Tutorial	5 5 20 10	Dr. Noramalina Abdullah* Dr. Tay Lea Tien Mr. Zulfiqar Ali Abd Aziz
6.	EUM113: Kalkulus Kejuruteraan [T] <i>(Engineering Calculus)</i>	3	40:60	Test Quiz Assignment Tutorial	6 4 20 10	AP Dr. Dzati Athiar Ramli* Dr. Aeizal Azman Abdul Wahab Dr. Noramalina Abdullah
7.	EBB113: Bahan Kejuruteraan [T] <i>(Engineering Material)</i> (For electrical and electronic engineering students)	3	30:70	Test Assignment Tutorial	10 10 10	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	100:0	Test Assignment	30 70	Offered by PPKM
9.	EMM101: Mekanik Kejuruteraan [T] <i>(Engineering Mechanical)</i> (For electrical and electronic engineering students)	3	40:60	Test Assignment	20 20	Offered by PPKM
10.	LKM100: Bahasa Malaysia I [U] <i>(Malay Language I)</i> (For international students)	2	60:40	Test Quiz Reading & writing	10 10 10	Offered by School of Languages, Literacies and Translation

				Oral & listening Oral	10 20	
LEVEL 200						
11.	EEE208: Teori Litar II [T] <i>(Circuit Theory II)</i>	3	40:60	Test Quiz Assignment	5 5 30	Dr. Patrick Goh Kuan Lye* Dr Mohamad Adzhar Md Zawawi
12.	EEE228: Isyarat dan Sistem [T] <i>(Signal and System)</i>	3	40:60	Test Quiz Assignment	7 3 30	AP Dr. Zuraini Dahari* Prof. Dr. Widad Ismail Dr. Siti Fatimah Abd Rahman
13.	EEE231: Makmal Elektronik Digit [T] <i>(Digital Electronics Laboratory)</i>	3	100:0	Test Practical report Project	30 40 30	Dr. Ahmad Nazri Ali* Prof. Ir. Dr. Nor Ashidi Mat Isa AP Dr. Nor Muzlifah Mahyuddin Dr. Mohd Tafir Mustaffa Dr. Patrick Goh Kuan Lye Mr. Zulfiqar Ali Abd Aziz
14.	EEE232: Analisis Kompleks [T] <i>(Complex Analysis)</i>	3	40:60	Test Quiz Assignment	5 5 30	Dr. Mohamed Salem Mohamed Othman* AP Dr. Dzati Athiar Ramli AP Ir. Dr. Gomesh Nair
15.	EEE241: Elektronik Analog I [T] <i>(Analog Electronic I)</i>	3	40:60	Test Quiz Assignment	5 5 30	Dr. Mohd Tafir Mustaffa * Dr. Jagadheswaran Rajendran AP Ir. Dr. Gomesh Nair
16.	EEM223: Termobendalir [T] <i>(Thermofluids)</i>	3	40:60	Test Quiz Assignment	5 5 30	Dr. Abdul Sattar Din* Dr. Wan Mohd Yusof Rahiman Wan Abdul Aziz
17.	EEM242: Makmal Mekatronik 1 [T] <i>(Mechatronic Laboratory 1)</i>	2	100:0	Practical test Quiz Practical report Project	20 20 30 30	Dr. Nur Zatil Ismah Hashim* Dr. Mohamed Fauzi Packeer Mohamed Dr. Siti Fatimah Abd Rahman Dr. Fatanah Mohamad Suhaimi
18.	HFF224: Falsafah dan Isu Semasa [U] <i>(Philosophy and Current Issues)</i>	2	100:0	Assignments Media review Project	30 30 40	Offered by PP Ilmu Kemanusiaan AP Dr. Muhammad Nasiruddin Mahyuddin (Coordinator)
LEVEL 300						
19.	EEE320: Mikropemproses II [T] <i>(Microprocessor II)</i>	3	50:50	Test Quiz Practical test Project Assignment	5 2 5 30 8	AP Dr. Syed Sahal Nazli Alhady Syed Hassan* AP Dr. Zaini Abdul Halim
20.	EEE332: Perhubungan [T] <i>(Communication)</i>	4	50:50	Test Assignment Report Presentation	10 20 10 10	Prof. Dr. Widad Ismail* Dr. Intan Sorfina Zainal Abidin
21.	EEE350: Sistem Kawalan [T] <i>(Control Systems)</i>	3	40:60	Test Quiz Assignment	7 3 30	AP Ir. Dr. Rosmiwati Mohd Mokhtar* Prof. Ir. Ts. Dr. Mohd Rizal Arshad AP Dr. Nur Syazreen Ahmad

22.	EEE378: Elektronik Digit II [T] (Digital Electronic II)	3	50:50	Test Project Assignment	12 20 18	Dr. Nor Azlin Ghazali* Dr. Ahmad Nazri Ali
23.	EEE382: Kebarangkalian dan Statistik Kejuruteraan [T] (Probability & Engineering Statistic)	3	40:60	Test Quiz Assignment	5 5 30	Dr. Aeizaal Azman Abdul Wahab* AP Dr. Zuraini Dahari Ir. Ts. Dr. Teh Jiashen
24.	EEK361: Elektronik Kuasa [T] (Power Electronics)	3	40:60	Test Assignment	10 30	Ir. Dr. Teoh Soo Siang* Ir. Dr. Muhammad Hafeez Mohamed Hariri
25.	EEK369: Sistem Voltan Tinggi [T] (High Voltage System)	3	40:60	Test Quiz Assignment	5 5 30	AP Ir. Dr. Mohd Kamarol Mohd Jamil* AP Dr. Asrulnizam Abd Manaf
26.	EEM353: Rekabentuk Kejuruteraan Mekanik [T] (Mechanical Engineering Design)	3	40:60	Test Project Assignment	10 20 10	Dr. Wan Mohd Yusof Rahiman Wan Abdul Aziz* Ir. Dr. Mohamad Tarmizi Abu Seman
27.	EEM355: Sistem Mekatronik [T] (Mechatronic System)	3	50:50	Test Quiz Assignment Project	5 5 20 20	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 2021/2022, 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	Project report Viva voce Presentation Logbook	40 25 25 10	Dr. Mohd Shahrime Mohd Asaari (Coordinator)
30.	EEE430: Kejuruteraan Perisian [E] (Software Engineering)	4	50:50	Test Quiz Assignment Project	10 2 8 30	AP Dr. Bakhtiar Affendi Rosdi* Prof. Ir. Ts. Dr. Shahrel Azmin Suandi
31.	EEE432: Antena dan Perambatan [E] (Antennas and Propagation)	4	50:50	Test Assignment Report Experiment	10 15 10 15	Dr. Muhammad Firdaus Akbar Jalaludin Khan*
32.	EEE440: Sistem Perhubungan Moden [E] (Modern Communication Systems)	4	50:50	Test Assignment Project	13 30 7	AP Dr. Nor Muzlifah Mahyuddin* AP Dr. Mohd Fadzli Mohd Salleh
33.	EEE443: Pemprosesan Isyarat Digit [T] (Digital Signal Processing)	3	50:50	Test Quiz Assignment	8 4 38	AP Dr. Haidi Ibrahim* Dr. Mohd Shahrime Mohd Asaari
34.	EEE445: Rekabentuk Litar Analog Bersepadu [E] (Design of Integrated Analog Circuits)	4	50:50	Test Assignment Project	10 10 30	Dr. Jagadheswaran Rajendran* Dr. Nur Zatil Ismah Hashim

35.	EEE449: Rangkaian Komputer [E] (Computer Networks)	4	50:50	Test Assignment Project	13 30 7	AP Dr. Mohd Fadzli Mohd Salleh* Dr. Mohamad Khairi Ishak
36.	EEE453: Rekabentuk Sistem Kawalan [E] (Control System Design)	4	50:50	Test Quiz Assignment Project	6 6 18 20	AP Dr. Nur Syazreen Ahmad* AP. Dr. Muhammad Nasiruddin Mahyuddin
37.	EEE499: Projek Prasiswazah [T] (Undergraduate Project)	6	100:0	Proposal Report Technical paper Dissertation Viva voce	5 10 10 50 25	AP Dr. Haidi Ibrahim (Coordinator)
38.	EEK425: Rekabentuk Kejuruteraan Elektrikal [T] (Electrical Engineering Design)	3	100:0	Project report Viva voce Presentation Logbook	40 25 25 10	Ir. Dr. Teoh Soo Siang (Coordinator)
39.	EEK468: Mesin dan Pacuan Elektrik [T] (Electrical Machine and Drives)	3	40:60	Test Assignment Report Simulation	10 10 10 10	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	AP Ir. Dr. Dahaman Ishak*
41.	EEK475: Ekonomi dan Pengurusan Sistem Kuasa [E] (Economy and Management on Power System)	4	50:50	Test Quiz Assignment Project	7 7 26 10	Dr. Tay Lea Tien* Dr. Mohamed Salem Mohamed Othman
42.	EEK477: Tenaga diperbaharui [E] (Renewable Energy)	4	50:50	Test Lab Simulation	20 20 10	Dr. Mohd Khairunaz Mat Desa* Ir. Dr. Muhammad Hafeez Mohamed Hariri
43.	EEK499: Projek Prasiswazah [T] (Undergraduate Project)	6	100:0	Proposal Report Technical paper Dissertation Viva voce	5 10 10 50 25	AP Ir. Dr. Mohd Kamarol Mohd Jamil (Coordinator)
44.	EEM422: Penglihatan Mesin [T] (Machine Vision)	2	40:60	Test Assignment Lab Project	15 5 5 15	AP Dr. Khoo Bee Ee*
45.	EEM423: Reliability Engineering [E] (Kejuruteraan Kebolehpercayaan)	4	50:50	Test Assignment Project	13 15 22	Dr. Teh Jiashen* AP Ir. Dr. Gomesh Nair
46.	EEM424: Teori Rekabentuk Ujikaji [E] (Design of Experiments)	4	50:50	Test Assignment Project	10 10 30	Dr. Mohd Nazri Mahmud*
47.	EEM425: Sistem Rekabentuk Mekatronik [T]	3	100:0	Project report Viva voce	40 25	Dr. Mohamad Khairi Ishak (Coordinator)

	<i>(Mechatronics System Design)</i>			Presentation Logbook	25 10	
48.	EEM441: Makmal Peralatan Dan Kawalan [T] <i>(Instrumentation and Control Lab)</i>	2	100:0	Report Viva voce	50 50	Prof. Ir. Ts. Dr. Mohd Rizal Arshad* Dr. Wan Amir Fuad Wajdi Othman
49.	EEM499: Projek Prasiswazah [T] <i>(Undergraduate Project)</i>	6	100:0	Proposal Report Technical paper Dissertation Viva voce	5 10 10 50 25	AP Dr. Khoo Bee Ee (Coordinator)
50.	LKM400: Bahasa Malaysia IV [U] <i>(Malay Language IV)</i> (For Malaysian students)	2	60:40	Test Oral Essay Presentation	10 10 20 20	Offered by School of Languages, Literacies and Translation
LEVEL 500						
51.	EAF523: Teknologi Perlindungan Kebakaran [E] <i>(Fire Protection Technology)</i>	4	60:40	Test Assignment Project	20 20 20	Offered by School of Civil Engineering AP. Dr. Nor Muzlifah Mahyuddin Dr. Mohamad Khairi Ishak 2 Lecturers from School of Mechanical Engineering
LEVEL 500 – MSc ESDE In House						
52.	EEE505: Rekabentuk Litar Bersepadu Analog Termaju [E] <i>(Advanced Analogue Integrated Circuit Design)</i>	4	50:50	Test Quiz Assignment Project	15 5 10 20	Dr. Mohammad Adzhar Md Zawawi* Dr. Mohamed Fauzi Packeer Mohamed
53.	EEE512: Pemprosesan Isyarat Digit Dan Imej Lanjutan [E] <i>(Advanced Digital Signal and Image Processing)</i>	4	50:50	Test Quiz Assignment Project	8 28 4 10	AP Dr. Haidi Ibrahim* AP Dr. Bakhtiar Affendi Rosdi
54.	EEE519: Disertasi <i>(Dissertation)</i>	20	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)
55.	EEE524: Senibina dan Rekabentuk Sistem Terbenam [T] <i>(Embedded System Architecture and Design)</i>	4	50:50	Test Quiz Assignment Practical Project	10 2 10 3 25	AP Dr. Zaini Abdul Halim* AP Dr. Syed Sahal Nazli Alhady Syed Hassan
56.	EEE532: Rekabentuk Litar Mikrogelombang [E] <i>(Microwave Circuit Design)</i>	4	50:50	Test Assignment Simulation Report Presentation	10 5 10 20 5	Dr. Intan Sorfina Zainal Abidin* Prof. Ir. Dr. Mohd Fadzil Ain
57.	EEE533: Disertasi [T] <i>(Dissertation)</i>	28	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)
58.	EEE542: Elektronik Kuasa Industri [E] <i>(Industrial Power Electronics)</i>	4	50:50	Test Quiz Assignment	15 5 30	Dr. Muhammad Najwan Hamidi* AP Dr. Asrulnizam Abd Manaf

LEVEL 500 – MSc ESDE Industry

59.	EEE505: Rekabentuk Litar Bersepadu Analog Termaju [E] <i>(Advanced Analogue Integrated Circuit Design)</i>	4	50:50	Test Quiz Assignment Project	15 5 10 20	Dr. Mohammad Adzhar Md Zawawi* Dr. Mohamed Fauzi Packeer Mohamed
60.	EEE512: Pemprosesan Isyarat Digit Dan Imej Lanjutan [E] <i>(Advanced Digital Signal and Image Processing)</i>	4	50:50	Test Quiz Assignment Project	8 28 4 10	AP Dr. Haidi Ibrahim* AP Dr. Bakhtiar Affendi Rosdi
61.	EEE519: Disertasi <i>(Dissertation)</i>	20	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)
62.	EEE524: Senibina dan Rekabentuk Sistem Terbenam [T] <i>(Embedded System Architecture and Design)</i>	4	50:50	Test Quiz Assignment Practical Project	10 2 10 3 25	AP Dr. Zaini Abdul Halim* AP Dr. Syed Sahal Nazli Alhady Syed Hassan
63.	EEE525: Teknologi Internet Benda [E] <i>(Internet of Things (IoT) Technology)</i>	4	50:50	Test Assignment Project	10 10 30	Dr. Mohamad Khairi Ishak* Dr. Mohd Shahrime Mohd Asaari
64.	EEE533: Disertasi [T] <i>(Dissertation)</i>	28	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)
65.	EEE551: Sistem-Sistem Pintar [E] <i>(Intelligent Systems)</i>	4	50:50	Test Quiz Assignment Project	10 2 20 18	AP Dr. Syed Sahal Nazli Alhady Syed Hassan* AP Dr. Junita Mohamad Saleh
66.	EEE552: Integriti Isyarat Bagi Rekabentuk Digital Halalaju Tinggi [E] <i>(Signal Integrity for High-Speed Digital Design)</i>	4	60:40	Test Assignment Experiment Project	15 15 15 15	Dr. Patrick Goh Kuan Lye* Lecturers from industry

Note: * Course leader.