

SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING

LIST OF COURSES FOR SEMESTER 2, ACADEMIC SESSION 2022/2023

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 Project Practical Test	45 35 20	Dr. Nor Azlin Ghazali* Prof. Dato' Dr. Faisal Rafiq Mahamd Adikan Prof. Ir. Dr. Nor Ashidi Mat Isa Prof. Dr. Widad Ismail AP. Ir. Ts. Dr. Teh Jiashen AP. Dr. Bakhtiar Affendi Rosdi AP. Dr. Mohd Fadzli Mohd Salleh Dr. Aeizaal Azman Abd Wahab Dr. Fatanah Mohamad Suhaimi Dr. Mohd Shahrime Mohd Asaari Dr. Nor Rizuan Mat Noor
2.	EEE130: Elektronik Digit I [T] (Digital Electronic 1)	3	40:60	Assignment Quiz Test	30 5 5	Prof. Ir. Dr. Nor Ashidi Mat Isa* AP. Dr. Patrick Goh Kuan Lye
3.	EEE133: Peranti dan Litar Elektronik [T] (Electronic Devices and Circuits)	3	40:60	Assignment Quiz Test	30 2 8	Dr. Nur Zatil Ismah Hashim* Dr. Siti Fatimah Abd Rahman
4.	EEL102: Amalan Kejuruteraan [T] (Engineering Practice)	2	100:0	Assignment Experiment Project Test	10 34 40 16	Prof. Ir. Dr. Mohd Fadzil Ain* Dr. Nor Rizuan Mat Noor
5.	EEU104: Teknologi Elektrik [T] (Electrical Technology) (For PPKK, PPKBSM, PPKAero students)	3	40:60	Test Quiz Assignment Tutorial	5 5 20 10	AP. Dr. Zuraini Dahari* AP. Dr. Zaini Abd Halim Dr. Noramalina Abdullah
6.	EMM102: Statik [T] (Statics)	3	40:60	Test Assignment	20 20	Offered by School of Mechanical Engineering
7.	EUM114: Kalkulus Kejuruteraan Lanjutan [T] (Advanced Engineering Calculus)	3	40:60	Assignment Quiz Test	30 4 6	Dr. Aeizaal Azman Abd Wahab* AP. Dr. Dzati Athiar Ramli
8.	WUS101: Keusahawanan [U] (Entrepreneurship) (For Malaysian students)	2	100:0	Report Participation in Planning Presentation Quiz	30 40 20 10	Offered by Co-Curriculum Center Dr. Ahmad Nazri Ali (Coordinator)

LEVEL 200						
9.	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
10.	EEE243: Makmal Elektronik Analog [T] <i>(Analog Electronics Laboratory)</i>	3	100:0	Experiment Presentation Project Practical Test	30 10 35 25	AP. Dr. Patrick Goh Kuan Lye* Dr. Mohamad Adzhar Md Zawawi Dr. Mohd Tafir Mustaffa Dr. Nur Zatil Ismah Hashim Dr. Selva Kumar Mariappan Dr. Siti Fatimah Abd Rahman
11.	EEE270: Elektronik Analog II [T] <i>(Analogue Electronics II)</i>	3	40:60	Assignment Quiz Test	30 5 5	Dr. Mohd Tafir Mustaffa* Dr. Shaili Falina Mohd Sukri
12.	EEE276: Teori Elektromagnet [T] <i>(Electromagnetic Theory)</i>	3	40:60	Assignment Report Quiz	25 5 10	Prof. Dr. Widad Ismail* Dr. Intan Sorfina Zainal Abidin Dr. Nor Azlin Ghazali
13.	EEK241: Teknologi Elektrik Kuasa [T] <i>(Electrical Power Technology)</i>	3	40:60	Assignment Experiment Quiz Test	20 10 5 5	Dr Noramalina Abdullah* Dr. Mohamed Salem Mohamed Othman
14.	EEK260: Mesin Elektrik [T] <i>(Electrical Machines)</i>	3	40:60	Assignment Quiz Test	30 5 5	AP. Ir. Dr. Dahaman Ishak* AP. Ir. Dr. Mohamad Kamarol Mohd. Jamil Dr. Muhammad Najwan Hamidi
15.	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
16.	EEM253: Rekabentuk Mekatronik I [T] <i>(Mechatronic Design 1)</i>	2	50:50	Assignment Experiment Project Test	5 10 20 15	AP. Dr. Khoo Bee Ee*
17.	EUP222: Jurutera Dalam Masyarakat [T] <i>(Engineer in Society)</i>	3	60:40	Test Assignment Report	20 20 20	Offered by School of Civil Engineering Ir. Dr Teoh Soo Siang Lecturers from School of Civil Engineering
18.	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 Dr. Muhammad Firdaus Akbar Jalaludin Khan (Coordinator)
19.	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. Dzati Athiar Ramli (Coordinator)

LEVEL 300						
20.	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	Dr. Mohamad Adzhar Md Zawawi* Dr. Mohamed Fauzi Packeer Mohamed
21.	EEE322: Kejuruteraan Gelombang Mikro & RF [E] <i>(RF & Microwave Engineering)</i>	4	50:50	Assignment Report Simulation Presentation Test	5 20 10 5 10	Dr. Intan Sorfina Zainal Abidin* Prof. Ir. Dr. Mohd Fadzil Ain
22.	EEE344: Sistem VLSI [E] <i>(System VLSI)</i>	4	50:50	Assignment Project Test	10 30 10	Dr. Mohamed Fauzi Packeer Mohamed* AP. Dr. Asrulnizam Abd Manaf
23.	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* Dr. Jagadheswaran Rajendran
24.	EEE354: Sistem Kawalan Digit [T] <i>(Digital Control Systems)</i>	3	40:60	Assignment Quiz Test	30 3 7	AP. Dr. Muhammad Nasiruddin Mahyuddin* AP. Ir. Dr. Gomesh Nair AP. Dr. Nur Syazreen Ahmad
25.	EEE355: Robot & Pengautomatan [E] <i>(Robotic & Automation)</i>	4	50:50	Assignment Project Quiz Test	10 30 4 6	Dr. Abdul Sattar Din* Prof. Ir. Ts. Dr. Mohd Rizal Arshad
26.	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
27.	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. Junita Mohamad Saleh* AP. Dr. Haidi Ibrahim
28.	EEK360: Makmal Elektrikal [T] <i>(Electrical Laboratory)</i>	3	100:0	Report Experiment	60 40	Dr. Ooi Chia Ai* Ir. Dr. Muhammad Hafeez Mohamed Hariri Dr. Mohd Khairunaz Mat Desa Dr. Muhammad Najwan Hamidi Dr. Tay Lea Tien
29.	EEK372: Analisis Sistem Kuasa [T] <i>(Power System Analysis).</i>	3	40:60	Assignment Simulation Test	20 10 10	Dr. Tay Lea Tien* Ir. Dr. Muhammad Hafeez Mohamed Hariri
30.	EEK373: Elektronik Kuasa Lanjutan [E] <i>(Advanced Power Electronics)</i>	4	50:50	Assignment Test	38 12	Dr. Mohd Khairunaz Mat Desa* Dr. Ooi Chia Ai

31.	EEK374: Instrumentasi Elektrik dan Pengukuran [T] <i>(Electrical Instrumentations and Measurement)</i>	3	50:50	Assignment Test Project	25 10 15	<i>Ir. Dr. Teoh Soo Siang*</i> Dr. Mohamed Salem Mohamed Othman
32.	EEM323: Sistem Peralatan dan Pengukuran [T] <i>(Instrumentation and Measurement Systems)</i>	3	40:60	Assignment Quiz Test	30 5 5	<i>AP. Ir. Dr. Rosmiwati Mohd Mokhtar*</i> Prof. Ir. Ts. Dr. Mohd Rizal Arshad
33.	EEM343: Robotik [T] <i>(Robotics)</i>	3	50:50	Assignment Project Quiz Test	10 30 4 6	<i>Prof. Ir. Ts. Dr. Mohd Rizal Arshad*</i> Dr. Abdul Sattar Din
34.	EEM344: Makmal Mekatronik II [T] <i>(Mechatronics Laboratory II)</i>	2	100:0	Report Viva voce Practical Test Test	60 20 10 10	<i>Dr. Wan Amir Fuad Wajdi Othman*</i> AP. Dr. Wan Mohd Yusof Rahiman Wan Abdul Aziz AP. Dr. Zuraini Dahari Dr. Abdul Sattar Din
35.	EEM348: Prinsip Sistem Pintar [E] <i>(Principle of Intelligent Systems)</i>	4	50:50	Assignment Project Presentation Quiz Test	18 20 2 2 8	<i>Dr. Mohd Shahrime Mohd Asaari*</i> Prof. Ir. Ts. Dr. Shahrel Azmin Suandi
36.	EEM354: Pengurusan dan Teknologi Pembuatan [E] <i>(Manufacturing Management and Technology)</i>	4	50:50	Assignment Quiz Test	35 5 10	<i>AP. Dr. Wan Mohd Yusof Rahiman Wan Abdul Aziz*</i> Ir. Dr. Mohamad Tarmizi Abu Seman
LEVEL 400						
37.	EEE499: Project Prasiswazah [T] <i>(Undergraduate Project)</i> <i>(For Electronic Engineering students)</i>	6	100:0	Proposal Report Technical Paper Dissertation Viva voce	5 10 10 50 25	<i>AP. Dr. Haidi Ibrahim (Coordinator)</i>
38.	EEK470 Sistem Pengagihan Elektrik Kuasa [T] <i>(Electric Power Distribution System)</i>	4	40:60	Test Assignment	10 30	<i>AP. Ir. Ts. Dr. Teh Jiashen*</i> AP. Ir. Dr. Dahaman Ishak
39.	EEK499: Project Prasiswazah [T] <i>(Undergraduate Project)</i> <i>(For Electrical Engineering students)</i>	6	100:0	Proposal Report Technical Paper Dissertation Viva voce	5 10 10 50 25	<i>AP. Ir. Dr. Mohamad Kamarol Mohd Jamil (Coordinator)</i>
40.	EEM421: Kaedah Kualiti [T] <i>(Quality Techniques)</i>	4	50:50	Assignment Logbook Viva voce Quiz	20 18 4 8	<i>AP. Dr. Nur Syazreen Ahmad*</i> AP. Ir. Dr. Gomesh Nair Lecturer from industry
41.	EEM499: Project Prasiswazah [T] <i>(Undergraduate Project)</i> <i>(For Mechatronic Engineering students)</i>	6	100:0	Proposal Report Technical Paper	5 10 10	<i>AP. Dr. Khoo Bee Ee (Coordinator)</i>

				Dissertation Viva voce	50 25	
42.	EEX400: Kajian Bebas [E] <i>(Independent Studies)</i>	4	100:0	Report	100	AP. Ir. Dr. Rosmiwati Mohd Mokhtar (Coordinator)
LEVEL 500						
43.	EKC500: Metodologi Penyelidikan Sains & Kejuruteraan [T] <i>(Science & Engineering Research Methodology)</i>	3	100:0	Research Proposal Presentation	70 30	AP. Dr. Muhammad Nasiruddin Mahyuddin (Coordinator)
LEVEL 500 – MSc ESDE In House						
44.	EEE519: Disertasi [T] <i>(Dissertation)</i>	20	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)
45.	EEE533: Disertasi [T] <i>(Dissertation)</i>	28	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)
46.	EEE534: Antena dan Perambatan Termaju [E] <i>(Advanced Antenna and Propagation)</i>	4	50:50	Assignment Experiment Report Test	15 15 10 10	Dr. Mohd Nazri Mahmud* Dr. Muhammad Firdaus Akbar Jalaludin Khan
47.	EEE551: Sistem-Sistem Pintar [E] <i>(Intelligent Systems)</i>	4	50:50	Assignment Quiz Project Test	10 5 20 15	AP. Dr. Syed Sahal Nazli Alhady Syed Hassan* AP. Dr. Junita Mohamad Saleh
LEVEL 500 – MSc ESDE Industry						
48.	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
49.	EEE512: Pemprosesan Isyarat Digit Dan Imej Lanjutan [E] <i>(Advanced Digital Signal and Image Processing)</i>	4	50:50	Test Quiz Assignment Project	8 4 28 10	AP Dr. Haidi Ibrahim* AP Dr. Bakhtiar Affendi Rosdi
50.	EEE519: Disertasi [T] <i>(Dissertation)</i>	20	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)
51.	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
52.	EEE525: Teknologi Internet Benda [E] <i>(Internet of Things (IoT) Technology)</i>	4	50:50	Test Assignment Project	10 20 20	AP. Dr. Mohamad Khairi Ishak* Dr. Mohd Shahrime Mohd Asaari
53.	EEE533: Disertasi [T] <i>(Dissertation)</i>	28	100:0	Dissertation	100	Dr. Mohd Nazri Mahmud (Coordinator)
54.	EEE551: Sistem-Sistem Pintar [E] <i>(Intelligent Systems)</i>	4	50:50	Assignment Quiz Project	10 5 20	AP. Dr. Syed Sahal Nazli Alhady Syed Hassan* AP. Dr. Junita Mohamad Saleh

				Test	15	
55.	EEE552: Integriti Isyarat Bagi Rekabentuk Digital Halaju Tinggi [E] <i>(Signal Integrity for High-Speed Digital Design)</i>	4	50:50	Test Assignment Experiment Project	13 12 12 13	AP. Dr. Patrick Goh Kuan Lye* Lecturers from industry

Note: * Course leader.