Ministry of Higher Education and Research
Scientific Supervision and Evaluation Authority
Quality Assurance and Academic Accreditation Department
Department of International Academic Accreditation

Academic program description form for colleges
2023-2024

University name: **Anbar University**
College name: **Engineering**
Scientific Department: **Electrical Engineering**
File filling date: **24/9/2023**

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The Director of the Division Quality Assurance and University Performance	The Associate Dean for Scientific Affairs	The Dean of the College
H.K. Dawood	M. A. Ahmed	
Signature	**Signature**	**Signature**
04/10/2023	**04/10/2023**	**04/10/2023**

Academic Program Description Form

Reviewing the performance of higher education institutions
((review of the academic program))

This description of the academic program provides a brief summary of the most important characteristics of the program and the learning outcomes expected of the students to achieve, demonstrating whether he/she has made maximum use of the available opportunities. It is accompanied by a description of each course within the program

The educational institution	University of Anbar
University Department/Center	College of Engineering
Academic Program	Electrical Engineering Department
The name of the final certificate	Bachelor of Electrical Engineering
The academic system	Semester
Accredited Accreditation Program	N/A
external influences	N/A
The date of preparing the description	24/9/2023 AD
Academic Program Objectives: The academic program in the Electrical Engineering Department aims to:	
1.Building the student scientifically and practically and qualifying him in the field of electrical engineering.	
2.Building and preparing the student psychologically to play his role as a reliable engineer in his field of specialization.	
3.Building students who are able to compete with other engineers for job opportunities and obtain the seats required to complete postgraduate studies.	

4.The possibility of applying for external tests by local, regional or international bodies for the purpose of completing study or appointment.
5.Urging the student to be creative and think about specialization projects and keep pace with the development in this field.
6.Providing students with scientific, practical and self-skills that enable them to solve practical problems and deal with them with scientific concepts.

			Credit hours and units	
Lev	*course code*	*course name*	*theoretical*	*experimental*
١	UOA01	Arabic Language	٢	-
١	ENG03	Calculus I	٣	-
١	ENG04	Calculus II	٣	-
١	ENG02	Chemistry	٣	٢
١	UOA04	Computer Science	١	٢
١	ELE02	Digital Techniques	٢	٢
١	ENG07	Engineering Drawing	٢	٢
١	ENG06	Engineering Mechanics (Static)	٣	-
١	UOA03	English Language	٢	-
١	ENG05	Engineering I Fundamentals of Electrical	٢	٢
١	ELE01	Engineering II Fundamentals of Electrical	٣	٢
١	UOA02	Human Rights and Democracy	٢	-
١	ENG01	Physics	٣	٢
٢	EE2208	Calculus III	٣	-
٢	EE2209	Calculus IV	٣	-
٢	EE2313	DC Machines I	٢	-
٢	EE2314	DC Machines II	٢	-
٢	EE2304	Digital Techniques I	٢	-
٢	EE2305	Digital Techniques II	٢	٢
٢	EE2306	EE Lab 21	-	٤
٢	EE2307	EE Lab 22	-	٤
٢	EE2310	Electric Circuits I	٣	-
٢	EE2311	Electric Circuits II	٣	-
٢	EE2315	Electromagnetic Fields I	٢	-
٢	EE2316	Electromagnetic Fields II	٢	-
٢	EE3212	Engineering Statistics	٣	-
٢	EE2103	English Language II	٢	-
٢	EE2308	Fundamentals of Electronics I	٢	-
٢	EE2309	Fundamentals of Electronics II	٢	-

			Credit hours and units	
Lev	*course code*	*course name*	*theoretical*	*experimental*
٣	EE3324	AC Machines I	٢	-
٣	EE3325	AC Machines II	٢	-
٣	EE3328	Noise Analog Communications and	٢	-
٣	EE3323	Computer Networks	٣	-
٣	EE2312	Computer Programming	١	٢
٣	EE3329	Digital Communications	٢	-
٣	EE3321	EE Lab 31	-	٤
٣	EE3322	EE Lab 32	-	٤
٣	EE3317	Electric Power I	٢	-
٣	EE3318	Electric Power II	٢	-
٣	EE3326	Electronics I	٣	-
٣	EE3327	Electronics II	٣	-
٣	EE3210	Engineering Economy	٣	-
٣	EE3107	English Language III	٢	-
٣	EE3319	Signals and Systems I	٢	-
٣	EE3320	Signals and Systems II	٢	-
٤	EE4335	Advanced Communication Systems	٢	-
٤	EE4332	Control Theory I	٢	-
٤	EE4333	Control Theory II	٢	-
٤	EE4343	Digital Electronics	٢	-
٤	EE4330	EE Lab 41	-	٢
٤	EE4331	EE Lab 42	-	٢
٤	EE4336	Electric Power III	٢	-
٤	EE3211	Engineering Numerical Methods	٢	٢
٤	EE4107	English Language IV	٢	-
٤	EE4108	Ethics and Leadership Skills	٢	-
٤	EE4338	Final Year Project I	٣	-
٤	EE4339	Final Year Project II	٣	-
٤	EE4334	Information Theory	٢	-
٤	EE4337	Power Electronics	٢	-
٤	EE4348	Power System Analysis	٢	-
٤	EE4345	(PLC) Programmable Logic Controller	٢	-

جامعة الانبار
كليــة الهندسة
قسم الهندسة الكهربائية

1. Planning for Personal Development: The students' personal development is planned by holding panel discussions with them and asking them for periodic reports and seminars throughout the four stages and for various topics to develop their personal development.
2. Admission criterion (setting regulations related to joining the college or institute): Central acceptance by the Ministry of Higher Education and Scientific Research.
3. The most important sources of information about the program: • College website. • The department's website and e-mail.

				Learning outcomes required from the program															
				knowledge and understanding				Subject-specific skills				thinking skills				General and Transferable Skills (or) Other skills related to employability and personal development			
lev	Course code	Course name	Require/Elective	أ١	أ٢	أ٣	أ٤	ب ١	ب ٢	ب ٣	ب ٤	ج ١	ج ٢	ج ٣	ج ٤	د١	د٢	د٣	د٤
١	UOA01	Arabic Language	R							X									
١	ENG03	Calculus I	R	X				X											
١	ENG04	Calculus II	R	X				X											
١	ENG02	Chemistry	R	X				X											
١	UOA04	Computer Science	R	X				X											
١	ELE02	Digital Techniques I	R	X	X			X	X					X					
١	ENG07	Engineering Drawing	R			X		X			X			X					
1	ENG06	Engineering Mechanics (Static)	R	X						X									
١	UOA03	English Language	R							X									
١	ENG05	Fundamentals of Electrical Engineering I	R	X	X			X	X					X					
١	ELE01	Fundamentals of Electrical Engineering II	R	X	X			X	X					X					
١	UOA02	Human Rights and Democracy	R		X					X									
١	ENG01	Physics	R	X				X											
٢	EE2208	Calculus III	R	X				X											
٢	EE2209	Calculus IV	R	X				X											
٢	EE2313	DC Machines I	R	X	X			X	X					X					
٢	EE2314	DC Machines II	R	X	X			X	X					X					
٢	EE2304	Digital Techniques I	R	X	X			X	X					X					
٢	EE2305	Digital Techniques II	R	X	X			X	X					X					
٢	EE2306	EE Lab 21	R	X	X			X	X		X								
٢	EE2307	EE Lab 22	R	X	X			X	X		X								
٢	EE2310	Electric Circuits I	R	X	X			X	X					X					
٢	EE2311	Electric Circuits II	R	X	X			X	X					X					
٢	EE2315	Electromagnetic Fields I	R	X	X							X							

				Learning outcomes required from the program															
				knowledge and understanding				Subject-specific skills				thinking skills				General and Transferable Skills (or) Other skills related to employability and personal development			
lev	Course code	Course name	Require/Elective	أ١	أ٢	أ٣	أ٤	ب١	ب٢	ب٣	ب٤	ج١	ج٢	ج٣	ج٤	د١	د٢	د٣	د٤
2	EE2316	Electromagnetic Fields II	R	X	X							X							
٢	EE3212	Engineering Statistics	R	X				X											
٢	EE2103	English Language II	R							X									
٢	EE2308	Fundamentals of Electronics I	R	X	X			X	X					X					
٢	EE2309	Fundamentals of Electronics II	R	X	X			X	X					X					
٣	EE3324	AC Machines I	R	X	X			X	X					X					
٣	EE3325	AC Machines II	R	X	X			X	X					X					
٣	EE3328	Analog Communications Noise and	R	X	X			X	X					X					
٣	EE3323	Computer Networks	R																
٣	EE2312	Computer Programming	R	X				X											
٣	EE3329	Digital Communications	R	X	X			X	X					X					
٣	EE3321	EE Lab 31	R	X	X			X	X		X								
٣	EE3322	EE Lab 32	R	X	X			X	X		X								
٣	EE3317	Electric Power I	R	X	X		X	X	X				X	X					
٣	EE3318	Electric Power II	R	X	X		X	X	X				X	X					
٣	EE3326	Electronics I	R	X	X			X	X					X					
٣	EE3327	Electronics II	R	X	X			X	X					X					
٣	EE3210	Engineering Economy	R	X	X							X		X					
٣	EE3107	English Language III	R							X									
٣	EE3319	Signals and Systems I	R	X	X	X		X	X					X					
٣	EE3320	Signals and Systems II	R	X	X	X		X	X					X					
٤	EE4335	Advanced Communication Systems	R	X	X			X	X					X					
٤	EE4332	Control Theory I	R	X	X			X	X					X					
٤	EE4333	Control Theory II	R	X	X			X	X					X					

				Learning outcomes required from the program															
				knowledge and understanding				Subject-specific skills				thinking skills				General and Transferable Skills (or) Other skills related to employability and personal development			
lev	Course code	Course name	Require/Elective	أ١	أ٢	أ٣	أ٤	ب١	ب٢	ب٣	ب٤	ج١	ج٢	ج٣	ج٤	د١	د٢	د٣	د٤
٤	EE4343	Digital Electronics	E	X	X			X	X	X				X					
٤	EE4330	EE Lab 41	R	X	X		X	X		X									
٤	EE4331	EE Lab 42	R	X	X		X	X		X									
٤	EE4336	Electric Power III	R	X	X		X	X	X				X	X					
٤	EE3211	Engineering Numerical Methods	R	X				X		X		X							
٤	EE4107	English Language IV	R							X									
٤	EE4108	Ethics and Leadership Skills	R						X										
٤	EE4338	Final Year Project I	R	X	X	X	X	X	X	X	X	X	X	X					
٤	EE4339	Final Year Project II	R	X	X	X	X	X	X	X	X	X	X	X					
٤	EE4334	Information Theory	R	X	X			X	X					X					
٤	EE4337	Power Electronics	R	X	X		X	X	X				X	X					
٤	EE4348	Power System Analysis	E	X	X			X	X	X				X					
٤	EE4345	Programmable Logic (PLC) Controller	E	X	X			X	X	X				X					