



Republic of Iraq - Ministry of Higher Education and Scientific Research

Northern Technical University (NTU)

Bachelor's degree in College of Oil and Gas Techniques Engineering- Kirkuk (COGTEK)

Department Name (Fuel & Energy Techniques Engineering)

Courses GUIDE (2024 - 2025)

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Subject Lecturer	
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)								
First	One	1	FEK 101	Analytical Chemistry	الكيمياء التحليلية	English	4		2		1	1	7	127	48	175	7.00	C	Noor Ahmed Awad	
		2	FEK 102	Organic Chemistry	الكيمياء العضوية	English	4		2		1	1	7	127	48	175	7.00	C	Dr. Galawesh Nori Tahir	
		3	FEK 103	Engineering Mechanics	الميكانيك الهندسي	English	3				1		5	65	60	125	5.00	C	Dr. Mohammed Oader Abdulrahman	
		4	COGTEK 100	Mathematics Principles	مبادئ الرياضيات	English	4				1		5	80	95	175	7.00	C	Saad Salim Marai	
		5	NTU 100	Human Rights & Democracy	الديمقراطية و حقوق الانسان	Arabic	2						5	35	15	50	2.00	B	Dr. Osama Ali Ebraheem	
		6	NTU 101	English Language	اللغة الانكليزية	English	2						5	35	15	50	2.00	B	Faisal Ghazi Bashaw	
	Total							19	0	4	0	4	2	34	469	281	750	30.00		
	Two	1	FEK104	Principles of Chemical Engineering	مبادئ الهندسة الكيميائية	English	4	1			1		5	95	180	275	11.00	C	Dr. Murad Abdulwaheed Rada	
		2	COGTEK 101	Engineering Drawing	الرسم الهندسي	English	1		2	2			5	80	120	200	8.00	C	Rasha Sabah Awad	
		3	FEK 105	Engineering Workshops	الورش الهندسية	English			3	1			5	65	85	150	6.00	C	Mohammed Zain Al-Abidin Hassan	
		4	NTU 102	Computer	الحاسوب	English	1		1				7	37	38	75	3.00	B	Dr. Galawesh Nori Tahir	
		5	NTU 103	Arabic Language	اللغة العربية	Arabic	1					1	5	35	15	50	2.00	B	Dr. Osama Ali Ebraheem	
Total							7	1	6	3	1	1	27	312	438	750	30.00			
Second	Three	1	FEK 200	Petroleum Refining	تكرير البترول	English	4		2			1	3	108	92	200	8.00	C	Asan Souad Mohammed	
		2	COGTEK 201	Mathematics	رياضيات	English	3				2		3	78	97	175	7.00	C	Saad Salim Marai	
		3	FEK 201	Material and Energy Balances	موازانات المادة والطاقة	English	4	1				1	3	123	102	225	9.00	C	Dr. Murad Abdulwaheed Rada	
		4	FEK 202	Computer Programming-MATLAB	برمجة الحاسوب-الماتلاب	English	2		2				3	63	37	100	4.00	C	Laith Hussein	
		5	NTU 200	Baath Party crimes in Iraq	جرائم حزب البعث في العراق	Arabic	2						3	33	17	50	2.00	B	Dr. Osama Ali Ebraheem	
	Total							15	1	4	0	4	2	15	405	345	750	30.00		
	Four	1	FEK 203	Physical Chemistry	الكيمياء الفيزيائية	English	2		2				3	63	87	150	6.00	C	Dr. Galawesh Nori Tahir	
		2	FEK 204	Engineering Statistics	الأحصاء الهندسي	English	2		2				3	63	37	100	4.00	C	Laith Hussein	
		3	COGTEK 200	Fluid Mechanics	ميكانيك الموائع	English	3		2		1		3	93	107	200	8.00	C	Obed Majeed Ali	
		4	FEK 205	Electrical Technology	تكنولوجيا الكهرباء	English	2		2				3	63	62	125	5.00	B	Faisal Ghazi Bashaw	
		5	NTU 201	Computer	الحاسوب	English	1		1				3	33	42	75	3.00	B	Raed Waad	
		6	NTU 202	English Language	اللغة الانكليزية	English	2						3	33	17	50	2.00	B	Hasnaa Salah	
7		NTU 203	Arabic Language	اللغة العربية	Arabic	2						3	33	17	50	2.00	B	Dr. Osama Ali Ebraheem		
Total							14	0	9	0	1	0	21	315	310	625	30.00			
<p>Note: The student should complete 4 weeks of Summer Internships to fulfill the requirements of the Bachelor's degree</p>																				
Structured SWL (hr/w) type	CL	Class Lecture				Module type	B	Basic learning activities				SWL:	Student Workload							
	Lab	Laboratory					C	Core learning activity				SSWL:	Structured SWL							
	Pr	Practical Training					S	Support or related learning activity				USSWL:	Unstructured SWL							
	Tut	Tutorial					E	Elective learning activity												
	Lect	Online lecture																		
Semn	Seminar				Note: Columns O, Q and R are programmed, protected and should not be edited															