



## اللائحة الدراسية:

### First year

semester	Level	Number of hours/week			Course Name	Course code
		Lab.	exercises	Lectures		
first semester	First year	4	0	4	General Chemistry	101 C
		4	1	4	Optics - Electricity	101 Ph
		0	2	3	Geometry - Statics	101 M
		0	2	4	Calculus	102 M
		0	2	1	Computer	
second semester		4	0	2	General Chemistry	102C
		0	0	2	Organic Chemistry	103 C
		4	1	4	Heat and Properties of Matter Magnetism	102 Ph
		0	3	4	Advanced Calculus and Algebra	103M
		0	2	3	Dynamics	104 M
	0	1	2	English Language	102 L	

### Second year

semester	Level	Number of hours/week			Course Name	Course code
		Lab.	exercises	Lectures		
first semester	Second year	0	1	2	Differential Equations	201M
		0	1	2	Introduction to Statistics	202 M
		0	2	4	Real Analysis - Statics	203 M
		2	1	2	Thermodynamics	201 Ph
		4	1	4	Electric Circuits and Electrostatics	202 Ph
second semester		0	0	2	Human Rights and General Principles of The Law	
		0	1	2	Linear Algebra	204 M
		0	1	2	Solid geometry	205 M
		0	2	4	Dynamics	206 M
		4	1	2	Solid State and electronics	203 Ph
	2	1	4	Atomic physics and Physical optics	204 Ph	
	2	0	1	Computer		
0	1	2	English Language	202 L		

## Third year

semester	Level	Number of hours/week			Course Name	Course code
		Lab.	exercises	Lectures		
first semester	Third year	0	0	2	Electronics	301Ph
		0	1	2	Mathematical Physics	302 Ph
		0	1	3	Electromagnetic Theory	303 Ph
		0	1	2	Statistical Thermodynamics	304 Ph
		0	0	2	Modern Physics	305 Ph
		0	0	3	Solid State Physics	306 Ph
		8	0	0	Experimental Physics	322 Ph
		2	0	1	Computer	
second semester		0	1	3	Quantum Mechanics	307 Ph
		0	0	2	Atomic Physics and Reactors	308 Ph
		0	1	2	Nuclear Physics	309 Ph
		0	0	2	Statistical Thermodynamics	310 Ph
		0	0	2	Methods of Experimental Physics	311 Ph
		0	1	2	Mathematical Physics	312 Ph
		8	0	0	Experimental Physics	323 Ph
		0	1	2	English Language	302 L

## Fourth year

semester	Level	Number of hours/week			Course Name	Course code
		Lab.	exercises	Lectures		
first semester	Fourth year	0	1	2	Quantum Mechanics	401 Ph
		0	1	2	Atomic Physics	402 Ph
		0	0	2	Solid State Physics and Semiconductors	403 Ph
		0	1	2	Laser and its Applications	404 Ph
		0	1	5	Programming and Computational Physics - Mathematical Physics	405 Ph
		8	0	0	Experimental Physics	419 Ph
		0	1	3	Electrodynamics	406 Ph
second semester		0	1	3	Plasma Physics	407 Ph
		0	1	3	Nuclear Physics	408 Ph
		0	1	2	Reactors	409 Ph
		0	0	2	Quantum Mechanics	410 Ph
		8	0	0	Experimental Physics	420 Ph
		0	0	2	Essay	
		2	0	1	Computer	
0	1	2	English Language	402 L		