



Course Plan – Procedures of the Course Plan Committee /Civil Engineering
Department

QF09/0407-1.0

Advisement Plan (Semester/Year)	Prerequisite	Practical Hours	Theory Hours	Credit Hours	Course Name	Course No.	Student Information	
							Registered	Passed
First: University Requirements (27) Credit Hours out of (60) recommended hours								
A) Mandatory Requirements 12 Credit Hours								
	Pass 0401099		3	3	Arabic Language	0401100 (1)		
	Pass 0402099		3	3	English Language I	0402100 (2)		
			3	3	Military Sciences	0409101 (3)		
			3	3	National Education	0409103		
B) Electives 15 Credit Hours (A minimum of one course in each field and a maximum of two courses in each field)								
Field: Humanities								
	0402100		3	3	English Language II	0402105		
			3	3	Modern History of Jordan	0403100		
			3	3	History of Jerusalem	0403105		
			3	3	Islamic Culture	0404100		
			3	3	Physical Education	0407100		
Second Field: Social and Economical Sciences								
			3	3	Introduction to Sociology	0405101		
			3	3	Contemporary Issues	0405102		
			3	3	Introduction to Psychology	0405104		
			3	3	Principles of Education	0407102		
			3	3	Principles of Economics	0505100		
Third Field: Science, Technology, Agriculture and Health								
	0102099		3	3	Computer Skills	0102102		
			3	3	Science and Community	0103100		
			3	3	Health and Life	0105101		
			3	3	Fundamentals of Environment	0106100		
					Medical Plants	0110100		
Second: Faculty Requirements (26) Credit Hours out of (26) recommended hours								
1 /1	0101103	3	3	3	Calculus I for	0101103		



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					Engineers			
1 /2		3	3	3	Calculus II for Engineers	0101104		
1 /1	0103101		3	3	General Physics I	0103101		
1 /2	Co. 0103101		3	3	General Physics II	0103102		
1 /1	Co. 0103102	3		1	General Physics Lab I for Engineers	0103108		
1 /2	0102099	6		1	General Physics Lab II for Engineers	0103109		
2 /1	2 nd year Standing	3	3	3	Programming in C++ Language	0901230		
2 /1		3	1	1	Technical Writing	0902231		
1 /2			1	2	Engineering Workshops	0904101		
1 /1	4 th year Standing			3	Engineering Drawing	0904102		
4 /1	0101103	3	3	3	Engineering Economics	0904400		
B) Electives 6 Credit Hours (no courses)								
Third: Major Requirements 107credit hours as follows:								
A) Mandatory Major Requirements 63 Credit Hours								
2/2	0904210	0	3	3	Strength of Materials	0902202		
2 /2	0902202	3	0	1	Strength of Materials Lab	0902203		
2 /2	0101104	0	3	3	Probability and Statistics for Engineers	0902209		
2 /1	2 nd year	0	2	2	Geology for Engineers	0902221		
2 /1	0902221	0	2	2	Construction Materials	0902222		
2 /2	C0-0902222	1	0	1	Construction Materials Lab.	0902223		
2 /2	0902202	0	3	3	Structural Analysis I	0902332		
3/1	0902332	0	3	3	Structural Analysis II	0902333		
3/2	0101104	0	3	3	Surveying	0902341		
3/1	C0-0902341	3	0	1	Surveying Lab	0902342		
3/1	0904210	0	3	3	Hydraulics	0902350		
3/1	Co-0902350	3	0	1	Hydraulics Lab	0902351		



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3/1	0902221	0	3	3	Geotechnical Engineering	0902361		
3/2	Co-0902361	3	0	1	Geotechnical Engineering Lab	0902362		
3/2	0902222, 0902333	0	3	3	Reinforced Concrete I	0902434		
4 /1	0902434	0	3	3	Reinforced Concrete II	0902435		
4 /2	0902333	0	3	3	Steel Structures design	0902436		
4 /2	0902341	0	3	3	Traffic & Transportation Engineering	0902443		
4 /2	0104116, 0902350	0	3	3	Water Engineering	0902452		
4 /1	0902452	0	3	3	Waste water Engineering	0902453		
4 /2	Co-0902453	3	0	1	Waste water Engineering Lab	0902454		
4 /2	0902361	0	3	3	Foundation Engineering	0902463		
4 /2	Passing 120 credit hours		8 weeks	0	Applied Engineering Training	0902490		
5 /1	0902345	0	3	3	Highway Engineering	0902544		
5 /2	0902443	0	3	3	Pavement design	0902545		
5 /2	Co-0902545	3	0	1	Pavement Lab	0902546		
5 /1	0902453	0	2	2	Environmental Engineering	0902555		
5 /1	0902435	0	3	3	Specifications and Quantity Survey	0902570		
5 /2	0902570	0	3	3	Project Management	0902571		
5 /1	Passing 120 credit hours	3	0	1	Graduation Project I	0902591		
5 /2	0902591	6	0	2	Graduation Project II	0902592		
B) Mandatory Major Requirements 28 Credit Hours								
			3	3	Ordinary Differential Equations	0101271		
	0101104	0	3	3	General Chemistry for Engineers	0104116		
	-	3	0	1	General Chemistry Lab for Engineers	0104118		
	Co-0104116	0	3	3	Principles of Electrical Engineering	0901214		



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	0103102	0	3	3	Electrical and Networking Infrastructure	0901301		
	0901214	0	3	3	Power Systems	0901341		
	0901214	0	3	3	Engineering Mechanics	0904210		
	0103101	0	3	3	Engineering Thermodynamics	0904230		
	0103102	0	3	3	Numerical Methods for engineering	0904300		
	0101104, 0901230	0	3	3	Principles of Heating and Air Conditioning	0904333		
C) Major Electives 6 Credit Hours from 24 recommended hours:								
	0902435	0	3	3	Pre stressed Concrete	0902536		
	0902435	0	3	3	Bridge Engineering	0902537		
	0902341	0	3	3	Photogrammetry Geodesy	0902543		
	0902542	0	3	3	Highway Maintenance	0902547		
	0902453	0	3	3	Water and Wastewater network Design	0902556		
	0902453	0	3	3	Design of Water Resources Systems	0902557		
	0902361	0	3	3	Advanced Soil Mechanics	0902564		
	5 th year	0	3	3	Special Topics	0902599		
	0902435	0	3	3	Pre stressed Concrete	0902536		
<p>Fourth: Free elective (3) Credit Hours (Student may choose any course from any course plan at the university unless the student had passed it.</p>								