

## Advisory Study Plan for the Academic Year 2014/2015

## Faculty: Engineering

## Department: Civil Engineering

1 <sup>st</sup> Year/ First Semester				
Course No.	Course Title	Credit Hours	Pre-requisite	Co-requisite
0161201	National Education	3		
0111101	Mathematics (1)	3		
0871101	Engineering Workshop	1		
0911567	General Chemistry for Engineers	3		
0911568	General Chemistry lab for Engineers	1		0911567
0161101	Arabic Language Communication Skills (1)	3	0161100	
0121181	English Language Communication Skills (1)	3	0171100	
<b>Total</b>		<b>17 CH</b>		

1 <sup>st</sup> Year/ Second Semester				
Course No.	Course Title	Credit Hours	Pre-requisite	Co-requisite
0871102	Engineering Drawing	2		
0111202	General Physics (1)	3		
0112102	Mathematics (2)	3	0111101	
0811201	Computer Skills (Engineering)	3	0331200	
0862400	Engineering Geology	3	0121181	
-	Elective University Requirement	3		
<b>Total</b>		<b>17 CH</b>		

2 <sup>nd</sup> Year / First Semester				
Course No.	Course Title	Credit Hours	Pre-requisite	Co-requisite
0832103	Engineering Mathematics (1)	3	0112102 *	
0812101	Technical Writing	1	0121181	
0862101	Statics	3	0111202	
0832107	Engineering Statistics	3	0111101	
0111203	General Physics (2)	3	0111202	
0111204	General Physics Lab	1		0111202
-	Elective University Requirement	3		
<b>Total</b>		<b>17 CH</b>		

2 <sup>nd</sup> Year/ Second Semester				
Course No.	Course Title	Credit Hours	Pre-requisite	Co-requisite
0832104	Engineering Mathematics (2)	3	0112102	
0862200	Strength of Materials	3	0862101 *	
0862102	Surveying	3	0111101	
0862103	Surveying Lab.	1		0862102
0862201	Concrete Technology and Eng. Materials	3		
0862202	Concrete Technology and Eng. Materials lab	1		0862201
-	Elective University Requirement	3		
<b>Total</b>		<b>17 CH</b>		

3 <sup>rd</sup> Year First Semester				
Course No.	Course Title	Credit Hours	Pre-requisite	Co-requisite
0863203	Structural Analysis (1)	3	0862200	
0863300	Transportation Engineering	3	0862102	
0833106	Fluid Mechanics	3	0862101*	
0833105	Numerical Analysis	3	0832104	
-	Elective University Requirement	3		
<b>Total</b>		<b>15 CH</b>		

3 <sup>rd</sup> Year / Second Semester				
Course No.	Course Title	Credit Hours	Pre-requisite	Co-requisite
0863204	Structural Analysis (2)	3	0863203	
0863301	Highway Geometric and Railway Design	3	0863300	
0863401	Geotechnical Engineering	3	0862200 *	
0863402	Geotechnical Engineering Lab.	1		0863401
0863500	Engineering Hydraulics	3	0833106	
0863501	Fluid Mechanics and Engineering Hydraulics Lab	1		0863500
0813108	Applied Engineering Mathematics	3	0833105	
<b>Total</b>		<b>17 CH</b>		

4 <sup>th</sup> Year / First Semester				
Course No.	Course Title	Credit Hours	Pre-requisite	Co-requisite
0874106	Engineering Economy and Management	3	0111101	
0864205	Reinforced Concrete Design (1)	3	0862201 0863203	
0864207	Design of Steel Structures	3	0863204	
0864302	Highway and Traffic Engineering	3	0832107 * 0863300	
0864502	Engineering Hydrology	3	0863500	
<b>Total</b>		<b>15 CH</b>		

4 <sup>th</sup> Year / Second Semester				
Course No.	Course Title	Credit Hours	Pre-requisite	Co-requisite
0864206	Reinforced Concrete Design (2)	3	0863204 0864205 *	
0864303	Pavement Design and Airport Engineering	3	0863300	
0864304	Pavement Design and Airport Engineering Lab.	1		0864303
0864701	Specifications, Contracts, and Quantity Surveying	3	0864205	
0864504	Environmental and Sanitary Engineering	3	0863500	
0864505	Environmental and Sanitary Engineering lab	1		0864504
0812102	Engineering Ethics	1	0121181	
<b>Total</b>		<b>15 CH</b>		

Summer Semester				
Course No.	Course Title	Credit Hours	Pre-requisite	Co-requisite
0864901	Field Training	3	Pass 110 Cr. H	
<b>Total</b>		<b>3 CH</b>		

5 <sup>th</sup> Year / First Semester				
Course No.	Course Title	Credit Hours	Pre-requisite	Co-requisite
0865503	Treatment of Liquid and Solid Wastes	3	0864504	
0864403	Foundation Engineering	3	0863401 0864205	
0865902	Graduation Project (1)	1	Pass 120 Cr. H	
0865208	Bridge Engineering	3	0863204 0864205	
-	Elective University Requirement	3		
<b>Total</b>		<b>13 CH</b>		

5 <sup>th</sup> Year/ Second Semester				
Course No.	Course Title	Credit Hours	Pre-requisite	Co-requisite
0161200	Military Sciences <sup>□</sup>	3		
0865702	Construction Project Management	3	0864701	
0865903	Graduation Project (2)	2	0865902	
-	Elective University Requirement	3		
-	Elective University Requirement	3		
<b>Total</b>		<b>14 CH</b>		

\* This prerequisite must be successfully passed before registering the course

<sup>□</sup> Exception (Non-Jordanians)