

AL-Qasim Green University - College of Water Resources Engineering

Curriculum Vocabulary for all Classes (2017-2018) of Hydraulic Structures Department

First Year:

First Year			1 st . Semester			2 nd . Semester		
Code	Subject	Units	Hours Per Weeks			Hours Per Weeks		
			Th.	Prac.	Tut.	Th.	Prac.	Tut.
HSE101	Engineering Mechanics	6	3	--	1	3	--	1
HSE102	Mathematics I	6	3	--	1	3	--	1
HSE103	Engineering Drawing	4	--	4	--	---	4	--
HSE104	Engineering Statistics	4	2	--	--	2	---	--
HSE105	Principle of Computer Programming	6	2	2	--	2	2	--
HSE106	Water Engineering	4	2	--	--	2	--	--
HSE107	Engineering Geology	4	2	--	--	2	--	--
HSE108	Soil Physic and Land Reclamation	6	2	2	--	2	2	--
HSE109	Workshops	2	--	2	--	--	2	--
HSE110	Arabic Language	2	1	--	--	1	--	--
Total		44	17	10	2	17	10	2
Total Hours Per Week			29			29		

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Second Year:

Second Year			1 st . Semester			2 nd . Semester		
Code	Subject	Units	Hours per weeks			Hours per weeks		
			Th.	Prac.	Tuto.	Th.	Prac.	Tuto.
HSE201	Mathematics II	6	3	--	1	3	--	1
HSE202	Computer Programming	3	1	1	--	1	1	--
HSE203	Construction and Building Materials	6	2	2	--	2	2	--
HSE204	Fluid Mechanics	6	2	2	1	2	2	1
HSE205	Strength of Materials	4	2	--	1	2	--	1
HSE206	Concrete Technology	6	2	2	--	2	2	--
HSE207	Surveying	6	2	2	1	2	2	1
HSE208	Introduction to Hydraulic Structures	4	2	--	--	2	--	--
HSE209	Human Rights and Democracy	2	1	--	--	1	--	--
Total		43	17	9	4	17	9	4
Total Hours Per Week			30			30		

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Third Year:

Third Year			1 st . Semester			2 nd . Semester		
Code	Subject	Units	Hours Per Weeks			Hours Per Weeks		
			Th.	Prac.	Tut.	Th.	Prac.	Tut.
HSE301	Design of Hydraulic Structures	6	3	--	1	3	--	1
HSE302	Engineering Hydrology	4	2	--	1	2	--	1
HSE303	Engineering Management and Economy	4	2	--	--	2	--	--
HSE304	Design of Field Irrigation Systems	4	2	--	1	2	--	1
HSE305	Theory of Structures	4	2	--	1	2	--	1
HSE306	Hydraulics	4	2	--	1	2	--	1
HSE307	Design of Concrete I	6	3	--	1	3	--	1
HSE308	Soil Mechanics	6	2	2	1	2	2	1
HSE309	Engineering Analysis and Numerical Methods	4	2	--	1	2	--	1
Total		42	20	2	8	20	2	9
Total Hours Per Week			30			30		

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Four Year:

Forth Year			1 st . Semester			2 nd . Semester		
Code	Subject	Units	Hours Per Weeks			Hours Per Weeks		
			Th.	Prac.	Tuto.	Th.	Prac.	Tuto.
HSE401	Dams Engineering	6	3	---	1	3	---	1
HSE402	Design of Sanitary Engineering	5	2	1	1	2	1	1
HSE403	Structural Design of Hydraulic Structures	6	3	---	1	3	---	1
HSE404	Ground Water Hydraulics	4	2	---	1	2	---	1
HSE405	Foundations Engineering	6	3	---	1	3	---	1
HSE406	Engineering Project	4	2	---	1	2	---	1
HSE407	Estimation and Specifications	4	2	---	1	2	---	1
HSE408	Computer Aided Software	6	2	2	---	2	2	---
Total		41	19	3	7	19	3	7
Total Hours Per Week			29			29		