

Republic of Iraq  
The Ministry Of Higher Education  
& Scientific Research

KGFVY

University:  
College:  
Department:  
Stage:  
Lecturer name:  
Qualification:  
Place of work



### Flow up of implementation celli pass play

Course Instructor	Jinan laftah abbas				
E-mail	Jinanlaftahab@yahoo.com				
Title	Hydraulic Structure				
Course Coordinator					
Course Objective	جعل الطالب قادرا على ان يكتسب المهارة في تحليل وتصميم المنشآت الهيدروليكية				
Course Description	تحليل وتصميم المنشآت الهيدروليكية				
Textbook	-Hydraulic Structures (P.Novak,A.I.B.Moffat,C.Nalluri and R.Narayanan) -Theory and P practice for i rrigate –Structure by Gubta -Small by hydraulic Structure U.S.B.R				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	(30%)		(10%)	-	As(60%)
General Notes	Type here general notes regarding the course				

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## Course Weekly Outline

Week	Date	Topes Covered	Lab. Experiment Assignments	Notes
1		<b>Introduction.</b>		
2		<b>Seepage under hydraulic structures.</b> Creep theory using : blights , lane , khosla methods		
3		<b>Seepage under hydraulic structures.</b> Creep theory using : blights , lane , khosla methods.		
4		<b>Seepage under hydraulic structures.</b> Creep theory using : blights , lane , khosla methods.		
5		<b>Seepage under hydraulic structures.</b> Creep theory using : blights , lane , khosla methods		
6		<b>Up left pressure calculation and factor of safety</b>		
7		<b>Up left pressure calculation and factor of safety</b>		
8		<b>Up left pressure calculation and factor of safety</b>		
9		<b>Energy dissipation structures</b>		
10		<b>Energy dissipation structures</b>		
11		<b>Energy dissipation structures</b>		
12		<b>Box culverts.</b> - Hydraulic design. -Structural design		
13		<b>Box culverts.</b>		

		- Hydraulic design. -Structural design		
14		Box culverts. - Hydraulic design. -Structural design		
15		Box culverts. - Hydraulic design. -Structural design		
16		Box culverts. - Hydraulic design. -Structural design		
<b>Half – year break</b>				
17		Design of regulators. - Hydraulic design. -Structural design.		
18		Design of regulators. - Hydraulic design. -Structural design.		
19		Design of regulators. - Hydraulic design. -Structural design.		
20		Design of weirs. - Hydraulic design. -Structural design.		
21		Design of weirs. - Hydraulic design. -Structural design.		
22		Design of weirs. - Hydraulic design. -Structural design.		
23		Siphon. - Hydraulic design. -Structural design..		
24		Siphon. - Hydraulic design. -Structural design.		
25		Siphon. - Hydraulic design. -Structural design.		
26		Dams : Introduction , type of dams. Design of earth dams. Design of gravity dams. Design of spillway.		
27		Dams : Introduction , type of dams. Design of earth dams. Design of gravity dams. Design of spillway.		
28		Dams :		

		<b>Introduction , type of dams.</b> <b>Design of earth dams.</b> <b>Design of gravity dams.</b> <b>Design of spillway.</b>		
29		<b>Dams :</b> <b>Introduction , type of dams.</b> <b>Design of earth dams.</b> <b>Design of gravity dams.</b> <b>Design of spillway.</b>		
30		<b>Dams :</b> <b>Introduction , type of dams.</b> <b>Design of earth dams.</b> <b>Design of gravity dams.</b> <b>Design of spillway.</b>		
31		<b>Dams :</b> <b>Introduction , type of dams.</b> <b>Design of earth dams.</b> <b>Design of gravity dams.</b> <b>Design of spillway.</b>		

**INSTRUCTOR Signature:**

**Dean Signature:**