Ministry of Higher Education and Scientific Research
Supervision and Scientific Evaluation Authority
Department of Quality Assurance and Academic Accreditation

Academic Program Description Form for Colleges and Institutes Academic Year

University: Shatt Al-Arab
College/Institute: Engineering
Scientific Department: Civil
Date of Form Completion: 01/09/2024

Signature
Name of Head of Department:

Asst. Lecturer Nabeel Najm Abdullah

Signature

Name of Scientific Assistant: Dr. Jawad Kadhim

Reviewed by:
Quality Assurance and University Performance Division
Name of Division Director: Dr. Jasem Mohsen Yasser

Signature:

الدكتور
جاسم محسن ياسر
Dr.Jasim Al-Battat

أ.م.د. احسان قاسم محمد
عميد كلية الهندسة

Dean's Approval

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Building construction method and drawings**			**Module Delivery**	
Module Type	**Core**			☐ **Theory** ☐ **Lecture** ☐ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**CE228**				
ECTS Credits	**8**				
SWL (hr/sem)	**200**				
Module Level	2		**Semester of Delivery**	2	
Administering Department	Type Dept. Code		**College**	Type College Code	
Module Leader			**e-mail**		
Module Leader's Acad. Title			**Module Leader's Qualification**		
Module Tutor			**e-mail**	E-mail	
Peer Reviewer Name	Name		**e-mail**	E-mail	
Scientific Committee Approval Date	01/06/2023		**Version Number**	1.0	

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	**Semester**	
Co-requisites module	None	**Semester**	

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشاد ية	
Module Aims أهداف المادة الدراسية	1. Understanding the types of construction systems. 2. The steps of starting and completing construction projects. 3. Specifications and use of various construction equipment. 4. The requirements and methods of implementation of projects. 5. The general requirements and specifications of various construction works.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. The ability to distinguish the type of construction system. 2. Select the appropriate procedure to perform certain construction work. 3. Select the most suitable equipment. 4. Select the type of foundation. 5. The knowledge required to distinguish the works that met the specifications.
Indicative Contents المحتوياتالإرشادية	1. Types and development of buildings. 2. Earthworks types and methods of implementation. 3. Dewatering methods. 4. Types and properties of foundations. 5. Construction of walls 6. Finishing 7. Concrete works 8. Joints types and methods of installation.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1. Encouraging students to participate in presenting opinions and ideas relating construction. 2. Letting the students to select the right choice to perform certain construction work. 3. Testing students' understanding by inviting them to participate by discovering the errors, mistakes, and disadvantages of the method of implementing a certain step within a construction project and suggesting the appropriate method.

Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ 15 اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	114	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	8
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	86	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	5.73
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	200		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)		
	Assignments	2	10% (10)		
	Projects / Lab.	1	10% (10)		
	Report	1	10% (10)		
Summative assessment	Midterm Exam	2 hr	10% (10)		
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Introduction on building and construction projects
Week 2	Earthworks and excavation using hand tools and the methods of supporting them.
Week 3	Excavation with mechanical equipment, dewatering, earth filling, and compaction.
Week 4	Shallow footings types and requirements.
Week 5	Raft, buoyancy, and pier foundations and the settlement and vibration of foundations.
Week 6	Pile foundations types and methods of installation.
Week 7	Concrete works details requirements and equipment.
Week 8	Masonry works units' types and requirements.
Week 9	Requirements and design of brick walls.
Week 10	Frameworks and scaffolding

Week 11	Water and dump proofing
Week 12	Joints in buildings
Week 13	Means of transition between levels.
Week 14	Beams, columns, and floor systems.
Week 15	Finishing works.
Week 16	**Preparatory week before the final Exam**

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	**Available in the Library?**
Required Texts	Zuheir Sako and Artin Levon "Building construction (in Arabic)"	Yes
Recommended Texts	1. Edward Allen and Joseph Iano "Fundamentals of Building Construction M a t e r i a l s a n d M e t h o d s" 2. T.D. Ahuja and G.S. Birdi "CIVIL ENGINEERING building construction" 2.PURUSHOTHAMA RA J "Building Construction Materials and Techniques"	No
Websites		

Grading Scheme

مخطط الدرجات				
Group	**Grade**	التقدير	**Marks (%)**	**Definition**
Success Group (50 - 100)	**A** - Excellent	امتاز	90 - 100	Outstanding Performance
	B - Very Good	جـد جدا	80 - 89	Above average with some errors
	C - Good	جـد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	**FX** – Fail	راسب (قد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.