

TISHK INTERNATIONAL UNIVERSITY FACULTY OF ENGINEERING Department of CIVIL ENGINEERING, 2021-2022 Fall Course Information for CE 329 BLUEPRINT READING					
Course Name:		BLUEPRINT READING			
Code	Regular Semester	Theoretical	Practical	Credits	ECTS
CE 329	5	3	-	3	5
Name of Lecturer(s)- Academic Title:		Jawdat Tashan -			
Teaching Assistant:		-			
Course Language:		English			
Course Type:		Area Elective			
Office Hours		2			
Contact Email:		jawdat.tashan@tiu.edu.iq			
		Tel:-			
Teacher's academic profile:		PhD MSc BSc			
Course Objectives:		1. Understand in general terms the design process and the role of design professionals. 2. Examine the function and use of various types of drawings. 3. Have a knowledge in major Standards 4. Differentiate between notes and specifications. 5. Know how to build title blocks, revision blocks, release blocks, and tolerance blocks. 6. Know how to use different type of Dimensions. 7. Understand the difference between Dimensions Formats. 8. Differentiate between Dimensional and Geometric Tolerance			
Course Description (Course overview):		the course enable the student to have an overall understanding of civil sitework construction and materials. This includes understanding and interpreting civil construction blueprints, reading specifications, manufacture and use of civil construction materials such as aggregates, concrete, asphalt, pipe, and geo-synthetics.			
COURSE CONTENT					
Week	Hour	Date	Topic		
1	3	4-7/10/2021	Registration		
2	3	10-14/10/2021	BASES FOR INTERPRETING DRAWINGS		
3	3	17-21/10/2021	DRAWINGS VIEWS		
4	3	24-28/10/2021	ELECTRONIC DRAWING FILE MANAGEMENT		
5	3	31/10-4/11/2021	DIMENSIONING FORMATS		
6	3	7-11/11/2021	ELEMENTS OF DIMENSION		
7	3	14-18/11/2021	Midterm Exam		
8	3	21-25/11/2021	SURFACE AND FINISHES SYMBOLS		
9	3	28/11-2/12/2021	THREAD AND FINISHES		
10	3	5-9/12/2021	SCREW THREADS AND PIPE THREADS		
11	3	12-16/12/2021	WELDMENTS		
12	3	19-23/12/2021	STRUCTURAL STEEL SHAPES AND IDENTIFYING STEELS		
13	3	26-30/12/2021	INDUSTRIAL SITE VISIT		
14	3	2-5/1/2022	REVIEW		
15	3	9-13/1/2022	Final Exam		
16	3	16-20/1/2022	Final Exam		

COURSE/STUDENT LEARNING OUTCOMES			
1	Demonstrate proficiency in dimensioning techniques		
2	Be able to summarize the standards used to create drawings and units of measurement.		
3	Demonstrate proficiency in using and interpretation of symbols associated with fields pertaining to manufacturing		
COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES (Blank : no contribution, I: Introduction, P: Profecient, A: Advanced)			
Program Learning Outcomes		Cont	
1	Apply principles of mathematics, science, and engineering	I	
2	Design and conduct experiments, as well as analyze and interpret data accurately.	A	
3	Design an engineering system, component, or process to meet desired industrial needs.		
4	Identify, formulate and solve complex engineering problems		
5	Apply, in design and construction, the most modern design codes, standards and specifications such as; AISC, ACI, ASCE 7, IBC, etc.	I	
6	Use the techniques, skills, and modern engineering tools, such as surveying instruments, and designing software that are necessary for engineering practices.	A	
7	Apply knowledge and skills in construction project management and recognition of international standards and methodologies	P	
8	Manage to work with multi-disciplinary teams and communicate effectively.	A	
9	Identify the moral values that ought to guide the Civil Engineering profession and resolve the moral issues in the profession.	I	
10	Apply the principles of sustainable development in their professional duties which go in line with the paramount safety, health and welfare of the public.	I	
11	Analyze the impact of engineering solutions in a global and social context	P	
12	Identify the need and have the ability to engage in lifelong learning and knowledge of contemporary issues.	I	
Prerequisites (Course Reading List and References):	Engineering Drawing, AutoCAD skills		
Student's obligation (Special Requirements):	Visual Skills		
Course Book/Textbook:	A. Kubba. Blueprint Reading, ISBN 978 0 07 154 986 8, McGraw Hill		
Other Course Materials/References:	NA		
Teaching Methods (Forms of Teaching):	Lectures, Presentation, Assignments, , ,		
COURSE EVALUATION CRITERIA			
Method	Quantity	Percentage (%)	
Attendance	1	5	
Quiz	1	10	
Homework	2	7.5	
Midterm Exam	1	30	
Final Exam	1	40	
Total		100	
Examinations: Multiple Choices, Short Answers, Matching, , ,			
Extra Notes:			
ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD			
Activities	Quantity	Workload Hours for 1 quantity*	Total Workload
Theoretical Hours	16	3	48

Practical Hours	16	0	0
Final Exam	1	12	12
Attendance	1	10	10
Quiz	1	12	12
Homework	2	10	20
Midterm Exam	1		0
Total Workload			102
ECTS Credit (Total workload/25)			4.08

Peer review

Signature:

Name:

Lecturer

Signature:

Name:

Head of Department

Signature:

Name:

Dean