

<p style="text-align: center;">ISHIK UNIVERSITY FACULTY OF ENGINEERING Department of CIVIL ENGINEERING, 2018-2019 Fall Course Information for CE 111 ENGEENERING DRAWING</p>						
Course Name:		ENGEENERING DRAWING				
Code	Course type	Regular Semester	Theoretical	Practical	Credits	ECTS
CE 111	2	1	1	4	3	5
Name of Lecturer(s)- Academic Title:	Barham Haydar - MSc Ilham Ibrahim - MSc Twana Ahmad -					
Teaching Assistant:	AZHI YASIN					
Course Language:	ENGLISH					
Course Type:	Main					
Office Hours	Wednesday 14:00 - 15:00					
Contact Email:	barham.haydar@ishik.edu.iq ilham.ibrahim@ishik.edu.iq twana.ahmad@ishik.edu.iq Tel:07705042603 07508610459 07703551635					
Teacher's academic profile:	MSc holder in construction materials Full Name: Ilham Ibrahim Muhammed Place of Birth: Sulaimani-kurdistan-Iraq Nationality: Iraqi Kurdish Permanent Address Iraq/ sulaimani / Ibrahim ahmad Tel No. Cell Phone: +964 770 223 57 99 +964 750 861 04 59 E-Mail Address: ilhamswren@yahoo.com ilhamswren@gmail.com Master degree (MSc) in structure and infrastructure engineering 2014. MSc in Civil Engineering					
Course Objectives:	The ability to read drawing is the most important requirement of all technical people in any profession. As compared to verbal or written description, this method is brief and more clear. Some of the applications are : building drawing for civil engineers, machine drawing for mechanical engineers, circuit diagrams for electrical and electronics engineers, computer graphics for one and all.					
Course Description (Course overview):	Introduction, course outline, Lines, Lettering, Dimensioning, Scales, Geometrical Construction, Projections, Isometric projection, Mid exam, Seminars, Final Examination.					
COURSE CONTENT						
Week	Hour	Date	Topic			
1	1	18-22/11/2018	Introduction to engineering drawing			
2	1	25-29/11/2018	Introduction to engineering drawing			
3	1	2-6/12/2018	Using drawing tools			
4	1	9-13/12/2018	Applied geometry			
5	1	16-20/12/2018	Orthographic projection			
6	1	2-3/1/2019	New year holiday			
7	1	7-10/1/2019	Orthographic writing I			
8	1	13-17/1/2019	Midterm Exam			
9	1	20-24/1/2019	Orthographic writing II			
10	1	27-31/1/2019	Pictorial sketching			
11	1	3-7/2/2019	Orthographic reading			

12	1	10-14/2/2019	Dimensioning
13	1	17-21/2/2019	Section views
14	1	24-28/2/2019	Drawing structural members (BEAM, COLUMN & FOUNDATION SECTIONS)
15	1	3-7/3/2019	Final Exam

COURSE/STUDENT LEARNING OUTCOMES

- 1 Ability to read and prepare engineering drawings.
- 2 Ability to make free - hand sketching of objects.
- 3 Power to imagine, analyse and communicate, and
- 4 Ability to interpret architectural drawing

COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES

(Blank : no contribution, I: Introduction, P: Profecient, A: Advanced)

Program Learning Outcomes

Cont.

1	An ability to apply knowledge of mathematics, science, and engineering	I
2	An ability to design and conduct experiments, as well as to analyze and interpret data	A
3	An ability to design a system, component, or process to meet desired needs	P
4	An ability to identify, formulate and solve engineering problems	I
5	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	P
6	Skills in project management and recognition of international standards and methodologies	I
7	An ability to function on multi-disiplinary teams	I
8	An understanding of professional and ethical responsibility	I
9	An ability to communicate effectively	A
10	The broad education necessary to understand the impact of engineering solutions in a global and social context	I
11	A recognition of the need for and ability to engage in, lifelong learning	I
12	A knowledge of contemporary issues	I

Prerequisites (Course Reading List and References):

Drawing for Civil Engineering. \\\\\"Jan A. Van Der Westhuizen\\\\\\\" ENGINEERING GRAPHICS WITH AUTOCAD 2011 JAMES D.BETHUNE

Student's obligation (Special Requirements):

Drawing instruments (T-square ,pencils, set of triangle and square,COMPASS, A3 sheet)

Weekly Laboratory/Practice Plan:

Week	Hour	Date	Topics
1	4	18-22/11/2018	Introduction to engineering drawing
2	4	25-29/11/2018	Introduction to engineering drawing
3	4	2-6/12/2018	Using drawing tools
4	4	9-13/12/2018	Applied geometry
5	4	16-20/12/2018	Orthographic projection
6	4	2-3/1/2019	New year holiday
7	4	7-10/1/2019	Orthographic writing I
8	4	13-17/1/2019	Midterm Exam
9	4	20-24/1/2019	Orthographic writing II
10	4	27-31/1/2019	Pictorial sketching
11	4	3-7/2/2019	Orthographic reading

	12	4	10-14/2/2019	Dimensioning
	13	4	17-21/2/2019	Section views
	14	4	24-28/2/2019	Drawing structural members (BEAM, COLUMN & FOUNDATION SECTIONS)
	15	4	3-7/3/2019	Final Exam
Course Book/Textbook:	Reddy, K. Venkata.-Textbook of Engineering Drawing, Second Edition-BS Publications			
Other Course Materials/References:	Drawing for Civil Engineering. "Jan A. Van Der Westhuizen" ENGINEERING GRAPHICS WITH AUTOCAD 2011 JAMES D.BETHUNE			
Teaching Methods (Forms of Teaching):	Lectures, Excersises, Presentation, Assignments, Demonstration			
COURSE EVALUATION CRITERIA				
Method		Quantity		Percentage (%)
Attendance		1		4
Quiz		2		5
Homework		8		2
Midterm Exam(s)		1		30
Final Exam		1		40
		Total		100
Examinations: True-False, Multiple Choices, Short Answers				
Extra Notes:				
ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD				
Activities		Quantity	Duration (Hour)	Total Work Load
Course Duration (Including the exam week: 16x Total course hours)				0
Hours for off-the-classroom study (Pre-study, practice)				0
Assignments Mid-terms				0
Final examination				0
Other				0
Total Workload				0
ECTS Credit (Total workload/25)				0

Peer review

Signature:
Name:
Lecturer

Signature:
Name:
Head of Department

Signature:
Name:
Dean