Faculty of Engineering & Technology

Graphics 2

Information :

Course Code :	GRA 142	**Level :**	Undergraduate	**Course Hours :**	2.00- Hours

Department : Faculty of Engineering & Technology

Instructor Information :

Title	Name	Office hours
Lecturer	Maha Fathy Abdallah Elsangary	7
Lecturer	Maha Fathy Abdallah Elsangary	7
Lecturer	Mostafa Mohamed Reda Salah Eldin Rashed	1
Teaching Assistant	Osama Mohamed Mahmoud Mohamed	1
Teaching Assistant	Omar Salah Abdelmoniem Ghareeb	8
Teaching Assistant	Akram Rabie Hamed Ragheb Tobar	
Teaching Assistant	Omar Salah Abdelmoniem Ghareeb	8
Teaching Assistant	Ahmed Muhammed Elmasbahy Abdel Samed	
Teaching Assistant	Mohamed Yahia Mohamed Abdelkader	
Teaching Assistant	Ahmed Mohamed Abdelnaby Ali Shafay	
Teaching Assistant	Mohamed Yahia Mohamed Abdelkader	

Area Of Study :

Techniques and skills of engineering drawing, Normal and auxiliary projections. Solid geometry. Intersections between planes and solids.

Description :

Techniques and skills of engineering drawing, Normal and auxiliary projections. Solid geometry. Intersections between planes and solids.

Course outcomes :

a.Knowledge and Understanding: :

1 -	Define the concept of sectional views and cutting planes.
2 -	Identify basics of architectural drawings.
3 -	Explain the basics of steel sections drawings.

b.Intellectual Skills: :	
1 -	Apply engineering graphics techniques.
2 -	Apply imagination and creativity.
c.Professional and Practical Skills: :	
1 -	Construct orthographic projections and isometrics for solid models.
2 -	Apply the sectioning rules.
3 -	Apply the basics of architectural drawing.
4 -	Create assembly drawings and steel sections.
d.General and Transferable Skills: :	
1 -	Work in stressful environment and within constraints through assignments and course project.
2 -	Effectively manage tasks, times and resources.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Missing view	12	3	9
Sectioning	24	6	18
Architectural drawing	12	3	9
Steel structure	12	3	9

Teaching And Learning Methodologies :

Interactive Lecture
Discussion
Problem-based Learning
Experiential Learning

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Assignment	20.00		
Final Exam	40.00		
Mid- Exam I	15.00		
Mid- Exam II	15.00		
Participation	10.00		

Course Notes :

Recommended books :

Periodicals :

Web Sites :