

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	Mostafa Mohamed Reda Salah Eldin Rashed	2
Lecturer	Maha Fathy Abdallah Elsangary	8
Lecturer	Maha Fathy Abdallah Elsangary	8
Assistant Lecturer	Noura Khedr Abdul raheem Ahmed	
Teaching Assistant	Ahmed Taher Abdelhamed Mohamed Yousef	
Teaching Assistant	SARAH SALAH SAYED HUSSIEN ALI ELSHISHTAWY	
Teaching Assistant	Ahmed Salah Rashad Ahmed Abdelhakk	

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 :

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Recommended books :

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Periodicals :

Web Sites :