

Faculty of Engineering & Technology
Project Management and Feasibility Studies

Information :

Course Code : ARC 581

Level : Undergraduate

Course Hours : 2.00- Hours

Department : Department of Architectural Engineering

Instructor Information :

Title	Name	Office hours
Assistant Lecturer	Rania Ahmed Kamel El Tahan	2

Area Of Study :

Overall Aims of Course: By the end of the course the students will be able to:

- "Determine the basic information for project feasibility study.
- "Determine the economical functions for construction project
- "Determine the Work break down structure for construction projects.
- "Determine the project duration and resources allocation
- "Determine the project cash flow

Description :

The course emphasizes the importance of Project Management, Planning and time scheduling of different jobs, Evaluation of programs and methods, Cost-time analysis. The course also emphasizes the importance of feasibility studies in taking decisions, the economics of land, initial costs and running costs, as well as project turnovers and marketing studies.

Course outcomes :

a. Knowledge and Understanding: :

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| 1 - | Define basic concepts of project feasibility study. |
| 2 - | Understand the project management requirements. |

b. Intellectual Skills: :

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| 1 - | Ability to analyze the engineering economic principals. |
| 2 - | Ability to derive different formulas for project evaluation. |
| 3 - | Ability to assess the project planning techniques . |

c. Professional and Practical Skills: :

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| 1 - | Ability to handle and evaluate different types of projects. |
| 2 - | Ability to handle different planning techniques. |

d. General and Transferable Skills: :

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| 1 - | Ability to practice team work and present results. |
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Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Review of project life cycle	3	2	1
Introduction to feasibility studies	6	4	2
Economic analysis	6	4	2
Work breakdown structure	6	4	2
Principal of network analysis	12	8	4
Resources allocation	3	2	1

Teaching And Learning Methodologies :

Class Lectures.

Tutorials.

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Final-term Examination.	40.00		
Mid-Term Examinations.	25.00		
Quiz.	10.00		
Semester Work.	25.00		

Course Notes :

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Recommended books :

Ronald Mccafer , Frank Harris & Francis Edum-Fotwe/Modern Construction Management/Sixth Edition/Blackwell Publishing.

Periodicals :

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Web Sites :

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