

<b>Module Name:</b>	
Construction management	
<b>Module Code:</b>	
WCV-31-07	
<b>Semester / Year:</b>	
First Semester/2024-2025	
<b>Date of Preparation of this Description:</b>	
23/9/2024	
<b>Available Attendance Formats:</b>	
In-person only	
<b>Total Credit Hours / Total Units:</b>	
Lectures are in person at the university only	
<b>Name of the Course Coordinator (if there are multiple names):</b>	
Name: israa mahdi kadhim	
Email: <a href="mailto:israa.mahdi@uowa.edu.iq">israa.mahdi@uowa.edu.iq</a>	
<b>Module Objectives:</b>	
<b>Module Objectives</b>	<ul style="list-style-type: none"> <li>•Introducing students to the basic concepts of construction project management.</li> <li>•Identifying the parties involved in the construction project.</li> <li>•Studying the methods of planning and programming construction projects using different planning methods.</li> <li>•Identifying the methods of project delivery</li> <li>•Identifying the basic elements of construction management</li> <li>•Programming the construction project using a computer programs</li> </ul>
<b>1. Teaching and Learning Strategy</b>	
<b>Strategy:</b>	<ol style="list-style-type: none"> <li>1-Encourage students to participate in exercises while refining and expanding their critical thinking skills, through interactive lessons and thinking about some simple experiments that include some sampling activities that interest students.</li> <li>2. Arouse students' curiosity about the best management and planning methods in projects.</li> </ol>

3. Link engineering management to other related subjects, such as estimation, construction methods, etc.
4. Link the theoretical side to the practical side and transfer students' minds to construction projects.
5. Calculations must be realistic and do not accept incorrect numbers through comparison and intuition.

## 2. Module Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
16	3	<p>Cognitive objectives: At the end of the chapter, the student will be able to:</p> <ol style="list-style-type: none"> <li>1. Conduct project time planning.</li> <li>2. Conduct project schedules.</li> <li>3. Identify the resources needed to complete project activities.</li> </ol> <p>Emotional and moral objectives:</p> <ol style="list-style-type: none"> <li>1. Take an interest in project management.</li> <li>2. Stand in front of any project and notice the correct ways to manage it.</li> <li>3. Think deeply about the importance of planning and project management.</li> <li>4. Civil engineering is a broad field that is not limited to construction work only.</li> </ol>	<ol style="list-style-type: none"> <li>1-Introduction, construction management concept, Phases of construction project, persons involved of construction process.</li> <li>2-The basic elements of construction management, goals and functions of construction management, success factors in the construction .</li> <li>3- Planning, stages of the planning, the elements of good planning, the steps applied for the preparation of the main planning.</li> <li>4-Methods of the planning, Bar - chart method .</li> <li>5-Critical path method (arrow diagram, nodes diagram )</li> <li>6-PERT method</li> <li>7- Line of balance method</li> <li>8-Resources management</li> <li>9-Planning by using</li> </ol>	<ol style="list-style-type: none"> <li>1- Lectures</li> <li>2- Homework</li> <li>3- Exams</li> <li>4- Questions and discussions in class</li> <li>5- Extracurricular activities</li> <li>6- Field trips</li> </ol>	<ol style="list-style-type: none"> <li>1-Exams and tests</li> <li>2- Student participation during lectures</li> <li>3- Student responses to a questionnaire about the curriculum and the faculty member</li> <li>4-Extracurricular activities</li> </ol>

			computer programs		
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#### Module Evaluation

- 1- Exams and tests
- 2- Student participation during lectures
- 3- Student responses to a questionnaire about the curriculum and the faculty member
- 4- Extracurricular activities

#### Learning and Teaching Resources.

Required textbooks (curricular books, if any)	Programming and Scheduling Techniques (Thomas Euher).2003.
Main references (sources)	Project Management (F. Gray and W. Larson) 7th Edition 2018
Recommended books and references (scientific journals, reports...)	Project management planning and control ( albert laster2006)
Electronic References, Websites	

