

<b>Date:</b>	Examination No.:	Version:2021-2022	Start:1/2/2022
<b>Module Name - Code</b>	Quantity Surveying		
<b>Module Language:</b>	English		
<b>Responsible:</b>	Azad Arshad Abdul-Wahab		
<b>Lecture (s):</b>	None		
<b>College:</b>	College of Engineering – Salahaddin University-Erbil		
<b>Duration:</b>	15 week – 1 semester		
<b>Course outcomes:</b>	<ol style="list-style-type: none"> <li>1. To understand the roles of the various different types of personnel who are in the construction field, and be able to refer to different types of plans that may be used during the construction.</li> <li>2. To practice the procedures required to ensure that the horizontal and vertical control requirement of setting out operations to be met.</li> <li>3. Setting out design points on site by a number of methods including angle and distance (polar), Intersection, offsetting from base line, 3-D coordinate method and GPS.</li> <li>4. To undertake all stages setting out operations such as pipe lines, buildings, roads,.etc and applying horizontal and vertical control techniques as erecting sight rails, batter boards, slope rails and locating columns positions, controlling verticality, transferring heights from floor to floor and setting out bridges and culverts,</li> <li>5. To ensure quality performance and accuracy in surveying methods and setting out procedures according to the specifications</li> </ol>		
<b>Course Content:</b>	<ol style="list-style-type: none"> <li>1- Earth work</li> <li>2- Masonry Quantity Calculations</li> <li>3- Concrete Quantity Calculations</li> <li>4- Steel Quantity Calculations</li> </ol>		
<b>Literature:</b>	<ol style="list-style-type: none"> <li>1- Surveying for Construction</li> <li>2- Surveying , Francis H. . Moffitt , John D. Bossler</li> <li>3-Surveying PRINCEPLES AND APPLICATIONS Barry Kavanagh</li> <li>4-Engineering Surveying W.SCHOFIELD AND BREACH</li> </ol>		
<b>Type of Teaching:</b>	2 hrs. in lectures		
<b>Pre-requisites:</b>	None		
<b>Preparation Modules:</b>	<ol style="list-style-type: none"> <li>1- heroically ; Giving the students the lectures before the lesson and explain the subjects and discussing and solving the problems</li> <li>2- practically : Determining an area and students apply the field procedure and preparing the data and processing the data to draw a suitable map for mentioned area</li> </ol>		
<b>Frequency:</b>	Spring Semester		
<b>Requirements for credit points:</b>	<p>For the award of credit points, it is necessary to pass the module exam. It contains: Three examination during the academic semester, Assignments and Final examination.</p> <p>Student's attendance is required in all classes.</p>		
<b>Credit point:</b>	5		

<p><b>Grade Distribution:</b></p>	<p>The following grade system is used for the evaluation of the module exam:  The module exam is based on the summation of two categories of evaluations:  <b>First: (50%)</b> of the mark is based on the academic semester effort which includes</p> <ul style="list-style-type: none"> <li>- Three examination during the academic semester = 36%.</li> <li>- Assignments = (4%).</li> </ul> <p><b>Second: (50%)</b> of the mark is based on final examination that is comprehensive for the whole of the study materials reviewed during the academic semester.</p>
<p><b>Work load:</b></p>	<p>The workload is 135 hrs. It is the result of 45 hrs. attendance and 90 hrs. self-studies (Assignments, preparation for exam and applications).</p>