

Date: 06/01/2024	Examination No.: 15367	Version:07/01/2024	Start: 07/01/2024
<b>Module Name - Code</b>	Engineering Surveying Network - 7114		
<b>Module Language:</b>	English		
<b>Responsible:</b>	Assistant Lecturer Ahmed Talabany		
<b>Lecture (s):</b>	Bryar Abdulkhaleq		
<b>College:</b>	College of Engineering – Salahaddin University-Erbil		
<b>Duration:</b>	15 week – 1 semester		
<b>Course outcomes:</b>	At the end of the semester, students would be able to understand basic theory of what control surveys are and why these are essential part of surveying, to be able to establish coordinates of points for projects and to use methods such Traversing, Triangulation, Intersection, Resection and Trilateration in the field and to learn calculations and adjustments required for each method.		
<b>Course Content:</b>	<p>The course introduces the principles of:</p> <ul style="list-style-type: none"> <li>▪ Methods of coordinate determination</li> <li>▪ Control Surveying</li> <li>▪ Total Station</li> </ul>		
<b>Literature:</b>	<p>Surveying for Engineers, 5th edition, By: John Uren &amp; Bill Price.  Construction Surveying and Lay Out, 3 edition, By: Wesley G. Crawford.  Surveying with construction application, 5 edition By: Barry F. Kavanagh.  Fundamentals of surveying, By: S.K. Roy, 2010 India.  Surveying I, By: Punmia, Ashor and Aron, 2005, India.  Surveying II, By: Punmia, Ashor and Aron, 2005, India.  Engineering Surveying, 6 edition, By W.Schofield and M.Breach.</p>		
<b>Type of Teaching:</b>	3 hrs in lectures 3 hrs Practicals		
<b>Pre-requisites:</b>	Engineering Surveying		
<b>Frequency:</b>	Yearly in spring semester		
<b>Requirements for credit points:</b>	For the award of credit points it is necessary to pass the module exams: Mid-term exam, final exam as well as assignments and other activities as requested <b>Student's attendance is required in all classes.</b>		
<b>Credit point:</b>	6		
<b>Grade Distribution:</b>	<p><b>First: (50%)</b> of the mark is based on the academic semester effort, which includes:</p> <p>Mid-term exam = 20%</p> <p>Quizzes and assignments= 10%</p> <p>practical tasks = 20%</p> <p><b>Second: (50%)</b> of the mark is based on the final examination that is comprehensive for the whole of the study materials reviewed during the academic semester (20 practical and 30% theoretical)</p>		
<b>Work load:</b>	The workload is 180h. It is the result of 90h attendance and 90h self-studies.		