

Date:	Examination No.:	Version:2021-2022	Start:1/9/2022
Module Name - Code	Cadastral Surveying		
Module Language:	English		
Responsible:			
Lecture (s):	Azad Arshad Abdul- Wahab		
College:	College of Engineering – Salahaddin University-Erbil		
Duration:	15 week – 1 semester		
Course outcomes:	<p>Cadastral surveys are generally performed to subdivide land into parcels for ownership under a land title and to re-establish boundaries of previously surveyed properties to determine the physical extent of ownership or to facilitate the transfer of the property title</p> <p>A surveyor, who is registered as a licensed surveyor under the Surveying Act 2004, is the only person authorized to perform cadastral surveys in Victoria. The regulation of cadastral surveying reflects the importance with which Government holds Victoria’s cadastre. The cadastre is a parcel-based system of property (land) administration. It is comprised of physically delineated boundaries, being the extents of parcels or interests in parcels, and datasets containing the public record of the interests (ie. rights, restrictions and responsibilities) in those parcels. The government and community entrust licensed surveyors to maintain and protect the integrity of the cadastre, which underpins economic</p>		
Course Content:	<p>15 weeks</p> <p>1st Week Cadastral terms and definitions</p> <p>2nd Week Area determinations from coordinates</p> <p>3rd Week Polygon subdivision</p> <p>4th Week Subdivision by coordinates</p> <p>5th Week Segment area and area out of Segemnt</p> <p>6th Week Parcel Subdivision procedure</p> <p>7th Week Street adjacent to the parcel</p> <p>8thWeek New street requirements</p> <p>9th Week Coordinate Geometry (COGO)</p> <p>10th Week Point &Line Creating and manipulating in (COGO)</p> <p>11th Week Curve and alignment and traverse solutions (COGO)</p> <p>12th Week Digitizing cadastral maps</p> <p>13th Week Numbering system and Titling</p> <p>14th Week Land use and cadastral maps</p> <p>15th Week Master plan and cadastral maps</p>		
Literature:	<p>1-Engineering Surveying W.SCHOFIELD AND BREACH</p> <p>2-Boundary-Dispute-Resolution</p> <p>3-Parcels in urban model</p>		

	4-Engineering and Cadastral Surveying - Professor Ziad Al-Baker 5-New Parcel Number Structure 6-COGOManual
Type of Teaching:	2 hrs. in lectures
Pre-requisites:	None
Preparation Modules:	Cadastral surveying is the discipline of land surveying that relates to the laws of land ownership and the definition of property boundaries. It involves interpreting and advising on boundary locations, on the status of land ownership and on the rights, restrictions and interests in property, as well as the recording of such information for use on plans, maps, etc. It also involves the physical delineation of property boundaries and determination of dimensions, areas and certain rights associated with properties, whether they are on land, water or defined by natural or artificial features.
Frequency:	Spring Semester
Requirements for credit points:	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. Student's attendance is required in all classes.
Credit point:	5
Grade Distribution:	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: First: (40%) of the mark is based on the academic semester effort which includes - Three examination during the academic semester = 36%. - Assignments = (4%). Second: (60%) of the mark is based on final examination that is comprehensive for the whole of the study materials reviewed during the academic semester.
Work load:	The workload is 90 hrs. It is the result of 30 hrs. attendance and 60 hrs. self-studies (Assignments, preparation for exam and applications).