

Date:	Examination No.: 15367	Version:3/9/2023	Start: 3/9/2023
Module Name - Code	Global Geodesy - 7130		
Module Language:	English		
Responsible:	Assistant Lecturer Ahmed Talabany		
Lecture (s):			
College:	College of Engineering – Salahaddin University-Erbil		
Duration:	15 week – 1 semester		
Course outcomes:	At the end of the semester, students will learn about the principles of geodesy and geodetic problem-solving principles. The student will become familiar with the shape of the earth and the geometrical and physical models representing the shape. Students will learn how to measure distance and angles on the earth and perform geodetic computations.		
Course Content:	Shape of the earth, coordinate determination, datums, distance and area computations, physical geodesy, astronomy		
Literature:	<ul style="list-style-type: none"> * Wolfgang Torge, 1991, "Geodesy", Germany, de Gruyter * Benhard Hofmann and Helmut Mortiz, 2005, "Physical geodesy", Austria, Springer-verlag Wein * Aylmer Johnson, 2004, "Plane and geodetic surveying", London, Spon press * Punmia, Ashok and Aron, 2005, "Higher Surveying", India, Laxmi publications * R. Agor, 2008, "A text book of advanced surveying", India, Khanna publications 		
Type of Teaching:	2+1 hrs in lectures		
Pre-requisites:	Engineering Surveying		
Frequency:	Yearly in fall semester		
Requirements for credit points:	For the award of credit points it is necessary to pass the module exams. Student's attendance is required in all classes.		
Credit point:	5		
Grade Distribution:	The Grade is generated from the examination result(s) with the following 20% mid-term exam 20% Quiz and assignments 60% final theoretical Exam		
Work load:	The workload is 120h. It is the result of 45h attendance and 75h self studies.		