

# **STUDENTS' PERFORMANCE**

### ASSESSMENT

# Surveying engineering 4<sup>th</sup> year students

# Instructor: Farman Galeb Saed

Program Outcomes	Course Learning Objectives	Strategies for Achieving Outcomes	Assessment Method (results table after performing)
<ul> <li>Collect, process, and create geographic data using a GPS unit.</li> <li>Acquire, import, edit and export digital data.</li> <li>Create maps to visualize, interpret and present geographic data.</li> <li>Apply GPS technologies and concepts to real world spatial questions.</li> </ul>	<ul> <li>-Using GPS technology to solve for the position of any points (X,Yand Z) on the earth surface.</li> <li>- Applying the fundamental of the Global Navigation system Satellite (GNSS) to the audience.</li> <li>- Using GNSS differential correction to get the data corrected as it is in the real</li> </ul>	<ol> <li>Giving the basic of the topics first and the practical second.</li> <li>Using the proper technology for every single practice in the field.</li> <li>Encourage students to ask questions and get involved in the practice.</li> <li>Exploiting the latest</li> </ol>	<ol> <li>In-class and online quizzes</li> <li>Homework</li> <li>Peer feedback activities</li> <li>Practice exams</li> </ol>
<ul> <li>-Have enhanced understanding of GPS roles to determine the position of points, using latest techniques.</li> <li>-Demonstrate a set of knowledge, skills and techniques of GPS.</li> </ul>	<ul> <li>Providing a conceptual overview and hands-on experience with Global Positioning Systems (GPS) and geographic Information systems (GIS).</li> </ul>	technology to enhance the learning such as recording the lessons and the practical so the students can recap what they learn.	
- Apply basic graphic and data visualization concepts such as color theory, symbolization, and use of scales on different projects	<ul> <li>Hand-held GPS units to collect and integrate spatial and non-spatial data within a Geographic Information Systems (GIS) framework.</li> <li>Importing features and tabular data into GIS, data conversions, building a GIS database, and creating maps from GPS data</li> </ul>		

#### Table 1, Plan of whole year assessments

Rubric	4- Exceeds	3- Meets	2-Progressing	1-Below Average
Location	The students can	The student able to	The student able to	The student does not
technology	apply the concepts of	understand the	recap the concepts of	have basic knowledge
0,	GNSS locating the	concepts of GNSS	GPS and GIS to solve	of GPS device and GIS
	position using GPS and	locating the position	engineering problems	software
	GIS	using GPS and GIS		
Data	Student is able to	The student is able to	The Student needs	The student is not able
Analysis	analyze a given task	have a grasp of a	cooperation to have a	to recognize the basics
,	and identify the	problem statement.	grasp of the problem	of problem analysis
	problems		statement.	
Finding the	The student can find	The student can	The student can find a	The student cannot
solutions	the solution by	understand and apply	solution with assistance	find any solutions for a
	thinking a new	the location technology	but cannot be trusted	giving task
	strategy	to find a solution using		
		GNSS		

#### Table 3, Students Works Rating

Students Outcome	Max Score	
	High : 100	
	Low : 50	
	Mean :75	
	SD : 2.5	

# Table 4, Student and Faculty Evaluations of Learning Outcomes

Students Outcomes	Students Rating	Instructor Rating	Instructor Comments
Not yet achieved	Not yet achieved	Not yet achieved	Not yet achieved

#### Table 5, Changes/Improvements

Assessment of Changes/Improvements Made this	
year	
Changes/Improvements That Will Be Made Next	
Time the Course is Offered	

#### Table 6, Final Evaluation

Outcome	Average	Notes
Not yet achieved	Not yet achieved	Not yet achieved

Name:
Address:
Telephone:
Email:
LinkedIn
<b>Google Scholar</b>
My research gate

# FARMAN GALEB SAED

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#### QUALIFICATIONS

2013 - 2014	Master Degree in Geographic Information Systems (GIS)	Nottingham University, UK		
	Modules: Fundamental of GIS, Professional GIS, Mapping for Engineering Surveying, Mapping for Engineering			
	Surveying/practical, Satellite-based positioning (GPS), Satellite-based positioning (GPS)/practical, Engineering			
	and Deformation surveying, Engineering and Deformation	n surveying/practical, handling Data (V.B.		
	programming)			
2012 – 2013	Academic English Language Course	Birmingham University, UK		

2003 - 2006 BSc in Surveying Engineering

Technical College of kirkuk

#### WORK EXPERIENCE

October 2019 to present time	Assistant Lecturer	Technical College of Kirkuk		
Teaching students the following mo	odules at college:			
Geographic Information Systems (GIS)				
Global positioning Systems (GPS)				
Remote Sensing				
Dec 2017 – Dec 2020	GIS and Information Officer	DRC Organisation		
Dec 2015 - July 2017	Translator	National Health Services NHS, UK		
2011 - 2014	Postgraduate Student	English and MSc courses, UK		
2010 - 2011	Land Surveyor Engineer	Dam Construction, Sulaymaniya		
2007 - 2010	Site Engineer	Highway between Kirkuk and Erbil		

### Software and Instrument skills

- Microsoft office including Word, Excel and Power point
- Autocad
- ArcMap GIS
- QGIS
- Snap for Radar Remote sensing image processing
- Hand-Held GPS
- Differential GPS (Base and Rove)

# TRAINING COURSE ATTENDED

- An Intensive ArcGIS
- Matlab Programming
- Mine Risk Education (MRE) and Non-Technical Survey(NTS)
- First Aid

# SPOKEN LANGUAGES

• English, Arabic & Kurdish

ACADEMIC RESEARCH

- Quantification of Morphometric Parameters to Analyze the Watershed Characteristics: A Case Study of Rosti Watershed, Iraq
- Soil Erosion Susceptibility Mapping by Analyzing Morphometric Parameters Using ALOS PALSAR DEM for Rawanduz River Basins in Iraq

#### Academic research under publish

• Sentinel-1 Radar aided Ground Deformation Assessment at Darbandikhan Town due to Sarpol-e Zahab Earthquake (under publish)

Southampton University, UK Nottingham University, UK DANISH REFUGEE COUNCIL (DRC) / DDG DANISH REFUGEE COUNCIL (DRC) / DDG

Oral and written