

College Engineering

ئۆلچى ئىندازى

Department of Surveying Engineering

بەشى رويپوان

First Year

Code	Module	پەكە Units	ژمارەى كاتژمىر لە ھەفتە پەكەدا Hours / Week			بابەت
			ئۆزى Lecture	پراكتىكى Lab	گۆتۆگۆ Tutorial	
ES101	Information technology	4	1	2	-	
ES102	English Language	6	2	2	-	
ES103	Kurdology	4	2	-	-	
ES104	Academic Debate & Critical thinking	4	1	2	-	
ES105	Mathematics I	6	2	2	-	
ES106	Physics for Engineering	4	2	-	-	
ES107	Engineering Surveying I	8	3	3	-	
ES108	Engineering Statistics	4	2	-	-	
ES109	Engineering Geology	4	2	-	-	
Total		44	17	11	-	كۆى گۆتى

Second Year

Code	Module	پهڪه Units	ڙمارهه ڪاترمير له هفته پهڪه Hours / Week			بابهت
			ٽيوري Lecture	پراڪٽيڪي Lab	گنٽوگور Tutorial	
ES201	Engineering Surveying II	10	4	3	-	
ES202	Theory of Errors	4	2	-	-	
ES203	Map Projection & Cartography	4	2	-	-	
ES204	Data Processing	6	2	2	-	
ES205	Land Law & Cadastral Studies	4	2	-	-	
ES206	Mathematics II	6	2	2	-	
ES207	Basic Survey Instruments	6	2	2	-	
Total		40	16	9	-	ڪوئي گهڻي

Third Year

Code	Module	پهڪه Units	ڙمارهه ڪاترمير له هفته پهڪه Hours / Week			بابهت
			ٽيوري Lecture	پراڪٽيڪي Lab	گنٽوگور Tutorial	
ES301	Global Geodesy	6	3	-	-	
ES302	Photogrammetry	6	2	3	-	
ES303	Adjustment Theory	6	2	2	-	
ES304	Highway Engineering	8	4	-	-	
ES305	Construction & Quantity Surveying	6	2	3	-	
ES306	Digital Mapping	6	2	2	-	
ES307	Engineering Analysis	4	2	-	-	
ES308	Summer Training	-	-	-	-	
Total		42	17	10	-	ڪوئي گهڻي

Fourth Year

Code	Module	پهڪه Units	نمارهه ڪانٽرولر له هفته پهڪه Hours / Week			بابهت
			ليچر Lecture	پراڪٽيڪي Lab	گنٽوگور Tutorial	
ES401	Global Positioning System	6	2	3	-	
ES402	Urban Planning	4	2	-	-	
ES403	Remote Sensing	6	2	3	-	
ES404	Geographic Information System GIS	6	2	3	-	
ES405	Hydrographic Survey	4	2	-	-	
ES406	Engineering Economics & Management	4	2	-	-	
ES407	Elective	4	2	-	-	
ES408	Research Project	4	1	2	-	
Total		38	15	11	-	ڪوي گشتي

Elective

1. Building Material
2. Introduction to Urban Design