

Admission Year	2023	Program	Master
Plan Type	Thesis	Semester	First
Hours	9	Item Type	Department Elective
Group NO	1	Max Registration hrs	9
Faculty	Science		
Department	Geology		
Special Department	Geology		
Gender	BOTH		

Course code	Course Name	hrs	Prerequisite Course	Equivalent Course	Teaching Method
ES 602	Geostatistics	3		(EES 602)	
ES 611	Advanced stratigraphy and microfacies	3		(EES 611)	
ES 613	Advanced paleontology	3		(EES 613)	
ES 614	Paleoclimate and Quaternary geology	3		()	
ES 622	Clay minerology	3		(EES 622)	
ES 625	Advanced industrial rocks and minerals	3		(EES 625)	
ES 633	Advanced igneous and metamorphic rocks	3		(EES 633)	
ES 654	Advanced petroleum geology	3		()	
ES 670	Advanced environmental geology	3		(٦٥٠ ج.ع) (EES 670)	
ES 671	Advanced applied geochemistry	3		(EES 671)	
ES 677	ENGINEERING AND ENVIROMENTAL GEOPHYSICS	3		()	Normal
ES 678	Advanced earthquake seismology	3		(EES 678)	Blended
ES 679	Advanced exploration geophysics	3		(EES 679)	
ES 691	Special topics in geology	3		(EES 691)	

Admission Year	2023	Program	Master
Plan Type	Thesis	Semester	First
Hours	24	Item Type	Department Mandatory
Group NO	1	Max Registration hrs	24
Faculty	Science		
Department	Geology		
Special Department	Geology		
Gender	BOTH		

Course code	Course Name	hrs	Prerequisite Course	Equivalent Course	Teaching Method
ES 634	ADVANCED SEDIMENTS AND SEDIMENTARY ROCKS	3		()	Normal
ES 641	ADVANCED STRUCTURAL GEOLOGY AND TECTONICS	3		()	Normal
ES 644	Advanced Remote Sensing and Geographic Information Systems	3		(EES 644)	
ES 652	Advanced hydrogeology	3		()	
ES 653	Advanced engineering geology	3		()	
ES 699A	MASTER THESIS	0		()	
ES 699B	MASTER THESIS	3		()	
ES 699C	MASTER THESIS	6		()	
ES 699D	MASTER THESIS	9		()	