

Admission Year	2023	Program	Master
Plan Type	Comprehensive exam	Semester	First
Hours		Item Type	Department Elective
Group NO		Max Registration hrs	9
Faculty	9		
Department	1		
Special Department		Science	
Gender		Geology	
		Geology	
		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 mineralogy	3		( EES 622 )	
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 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	Comprehensive exam	Semester	First
Hours		Item Type	Department Mandatory
Group NO	24	Max Registration hrs	24
Faculty	1		
Department			
Special Department		Science	
Gender		Geology	
		Geology	
		BOTH	

Course code	Course Name	hrs	Prerequisite Course	Equivalent Course	Teaching Method
ES 625	Advanced industrial rocks and minerals	3		( EES 625 )	
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 677	ENGINEERING AND ENVIROMENTAL GEOPHYSICS	3		( )	Normal
ES 692	Research project	3		( )	
ES 698	COMPREHENSIVE EXAM	0		( )	