

Applied Geology

Course Title	Course Code	Course Type	Credit Hour
Semester 1			
<u>GEN(NS)</u>		General	<u>3</u>
Functional English	GENG-101	General	<u>3</u>
Civics and Community Engagement	GCCE-101	General	<u>2</u>
Islamic Studies / Ethics (for Non-Muslims)	GISL-101 / GETH-101	General	<u>2</u>
Tarjuma-e-Quran	HQ-001	Compulsory	<u>0</u>
General Geology	AG-101	Major	<u>3</u>
Paleontology	AG-102	Major	<u>3</u>
			Total Credit Hours 16
Semester 2			
<u>GEN(AH)</u>		General	<u>2</u>
Quantitative Reasoning (I)	GQR-101	General	<u>3</u>
Entrepreneurship	GENT-101	General	<u>2</u>
Ideology and Constitution of Pakistan	GICP-101	General	<u>2</u>
Fieldwork I	AG-104	Major	<u>3</u>
Tarjuma-e-Quran	HQ-002	Compulsory	<u>1</u>
Mineralogy I	AG-103	Major	<u>3</u>
			Total Credit Hours 16
Semester 3			
Applications of Information and Communication Technologies	GICT-201	General	<u>3</u>
Expository Writing	GENG-201	General	<u>3</u>
Field Geology	AG-203	Major	<u>3</u>
Stratigraphy of Pakistan	AG-202	Major	<u>3</u>
Geomorphology	AG-201	Major	<u>3</u>
Tarjuma-e-Quran	HQ-003	Compulsory	<u>0</u>
Pakistan Studies.	GPST-201	General	<u>2</u>
			Total Credit Hours 17
Semester 4			
<u>GEN(SS)</u>		General	<u>2</u>
Quantitative Reasoning (II)	GQR-201	General	<u>3</u>
Fieldwork II	AG-206	Major	<u>3</u>
Structural Geology	AG-205	Major	<u>3</u>
Igneous & Metamorphic Petrology	AG-204	Major	<u>3</u>
Tarjuma-e-Quran	HQ-004	Compulsory	<u>1</u>
			Total Credit Hours 15
Semester 5			
Geophysics	AG-302	Interdisciplinary	<u>3</u>
Chemistry I	AG-301	Interdisciplinary	<u>3</u>
Mining Geology	AG-305	Major	<u>3</u>
Sequence Stratigraphy	AG-304	Major	<u>3</u>
Sedimentology	AG-303	Major	<u>3</u>
Tarjuma-e-Quran	HQ-005	Compulsory	<u>0</u>
Engineering Geology	AG-306	Major	<u>3</u>
			Total Credit Hours 18
Semester 6			
Remote Sensing & GIS	AG-308	Interdisciplinary	<u>3</u>
Geochemistry	AG-307	Interdisciplinary	<u>3</u>
Geology & Tectonics of Pakistan	AG-311	Major	<u>3</u>
Micropaleontology	AG-310	Major	<u>3</u>
Mineralogy II	AG-309	Major	<u>3</u>
Tarjuma-e-Quran	HQ-006	Compulsory	<u>1</u>
Fieldwork III	AG-312	Major	<u>2</u>
			Total Credit Hours 18
Semester 7			
Fieldwork / Internship		Major	<u>3</u>
Economic Geology	AG-404	Major	<u>3</u>
Petroleum Geology	AG-403	Major	<u>3</u>
Hydrology	AG-402	Major	<u>3</u>
Environmental Geology	AG-401	Major	<u>3</u>
Tarjuma-e-Quran	HQ-007	Compulsory	<u>0</u>
Elective I	AG-405	Major	<u>3</u>
			Total Credit Hours 18
Semester 8			
Capstone Project		Major	<u>3</u>
Elective V	AG-409	Major	<u>3</u>
Elective IV	AG-408	Major	<u>3</u>
Elective III	AG-407	Major	<u>3</u>
Elective II	AG-406	Major	<u>3</u>
Tarjuma-e-Quran	HQ-008	Compulsory	<u>1</u>
			Total Credit Hours 16

