

Undergraduate Syllabus for Environmental Science and Resources

1st Year 1st semester

SL No.	Course Code	Course of environmental science	Credit Hour
01	AQIU-ES101	Introduction to environmental science	3.00
02	AQIU-ES102	Introduction to earth science	3.00
03	AQIU-ES103	Computer concepts	3.00
04	AQIU-ES104	English fundamentals	3.00
05	AQIU-ES105	Freshmen orientation	0.5

1st Year 2nd Semester

SL No.	Course Code	Course of environmental science	Credit Hour
01	AQIU-ES106	Fundamentals ecology	3.00
02	AQIU-ES107	History of development science	3.00
03	AQIU-ES108	Physical environment and Practical	4.00
04	AQIU-ES109	Composition writing	3.00

1st Year 3rd Semester

SL No.	Course Code	Course of environmental science	Credit Hour
01	AQIU-ES110	Introduction to climatology	3.00
02	AQIU-ES111	Physical environment -1	3.00
03	AQIU-ES112	Public speaking/Assignment	3.00
04	AQIU-ES113	Viva voice	1.00

2nd Year 1st Semester

SL No.	Course Code	Course of environmental science	Credit Hour
01	AQIU-ES201	Environmental economics	3.00
02	AQIU-ES202	Basic of cartography: map reading	3.00
03	AQIU-ES203	Bangladesh studies	3.00
04	AQIU-ES204	Practical i/ Assignment	4.00

2nd Year 2nd Semester

SL No.	Course Code	Course of environmental science	Credit Hour
01	AQIU-ES205	Introduction to forestry and agriculture	3.00
02	AQIU-ES206	Introduction to GIS & data management	3.00
03	AQIU-ES207	Physical environment – ii	3.00
04	AQIU-ES208	Practical ii/ Assignment	1.00

2nd Year 3rd Semester

SL No.	Course Code	Course of environmental science	Credit Hour
01	AQIU-ES209	Basic of environmental chemistry	3.00
02	AQIU-ES210	Geography and environment: Bangladesh	3.00
03	AQIU-ES211	Basic statistics	3.00
04	AQIU-ES212	Environmental planning and management	3.00
05	AQIU-ES213	Viva voice	1.00

3rd Year 1st Semester

SL No.	Course Code	Course of environmental science	Credit Hour
01	AQIU-ES301	Biodiversity and conservation	3.00
02	AQIU-ES302	Remote sensing interpretation	3.00
03	AQIU-ES303	Practical iii: GIS & remote sensing	3.00

3rd Year 2nd Semester

SL No.	Course Code	Course of environmental science	Credit Hour
01	AQIU-ES304	Geomorphology	3.00
02	AQIU-ES305	Population and environment	3.00
03	AQIU-ES306	Environmental health & diseases	3.00
04	AQIU-ES307	Practical iv	1.00

3rd Year 3rd Semester

SL No.	Course Code	Course of environmental science	Credit Hour
01	AQIU-ES308	Gender Environment and Development	3.00
02	AQIU-ES309	Environmental law	3.00
03	AQIU-ES310	Environmental chemistry	3.00
04	AQIU-ES311	Viva voice	1.00

4th Year 1st Semester

SL No.	Course Code	Course of environmental science	Credit Hour
01	AQIU-ES401	Environmental impact assessment	4.00
02	AQIU-ES402	Natural hazards and disaster management	3.00
03	AQIU-ES403	Research techniques	3.00
04	AQIU-ES404	Pollution study and analysis	4.00

4th Year 2nd Semester

SL No.	Course Code	Course of environmental science	Credit Hour
01	AQIU-ES405	Hydrogeology and water resource management	3.00
02	AQIU-ES406	Research project	4.00
03	AQIU-ES407	Environmental microbiology	3.00
04	AQIU-ES408	Continuous orientation	3.00
05	AQIU-ES409	Professional orientation	1.50

4th Year 3rd Semester

SL No.	Course Code	Course of environmental science	Credit Hour
01	AQIU-ES410	Pollution and waste management	3.00
02	AQIU-ES411	Geology and Bengal basin	3.00
03	AQIU-ES412	Seminar	4.00
04	AQIU-ES413	Viva voice	1.00