COMSATS Institute of Information Technology
Registrar Office, Principal Seat, Islamabad
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No: CIIT-Reg/Notif672/12/996

July 3, 2012

NOTIFICATION

Scheme of Studies of Bachelor of Science (BS) in Environmental Sciences

It is hereby notified that Academic Council in its 13th meeting held on June 04, 2012 approved the following scheme of studies of Bachelor of Science (BS) in Environmental Sciences program with effect from Fall 2012 at CIIT system:

i. Minimum Duration:	04 years
ii. Minimum No. of Semesters:	08
iii. No. of Credit Hours in each Semester:	13-18

iv. Course Work	Min No. of Courses	Min No. of Credit Hours
i. Core Courses (List attached)	40	123
ii. Elective Courses (List attached)	04	12
Total No. of Courses	**44**	
Total No. of Credit Hours		**135**

Note:
The Regulations relating to Undergraduate Degree Programs approved by the Competent Authority and amended from time to time shall be applicable.

This issues with the approval of the Competent Authority.

Nadeem Uddin Qureshi
Additional Registrar

Encl: (pages 03 in total including this page)

Distribution:
1. Dean Faculty of Science, CIIT
2. All Directors CIIT System
3. Chairman, Department of Environmental Sciences, CIIT
4. All Incharges, Academic Sections, CIIT Campuses
5. All HoD's/Incharges, Department of Environmental Sciences, CIIT Campuses
6. Controller of Examinations, CIIT
7. All Incharges, Examination Departments, CIIT Campuses

CC:
1. Registrar, CIIT
2. PS to Rector

LIST OF CORE COURSES

Sr. #	Course Code	Course Title	Credit Hours	Pre-requisites
1.	AGR202	Introduction to Regression Analysis and Experimental Design	3(3, 0)	MTH161
2.	BIO100	Fundamentals of Biology	3(2, 1)	
3.	BTY322	Environmental Biotechnology	3(3, 0)	BIO100
4.	CHM325	Analytical Techniques	3(2, 1)	
5.	CSC101	Introduction to Computing	3(2, 1)	
6.	DEV421	Environment and Development	3(3, 0)	
7.	DEV441	Natural Resource Management	3(3, 0)	
8.	ENV101	Fundamentals of Environmental Sciences	3(3, 0)	
9.	ENV120	Environmental Chemistry	3(2, 1)	
10.	ENV161	Fundamentals of Ecology	3(2, 1)	BIO100
11.	ENV220	Environmental Economics	3(3, 0)	
12.	ENV222	Environmental Microbiology	3(2, 1)	BIO100
13.	ENV230	Environmental Monitoring	3(2, 1)	
14.	ENV231	Environmental Toxicology	3(2, 1)	ENV101
15.	ENV250	Occupational Health and Safety	3(3, 0)	
16.	ENV260	Environmental Physics	3(2, 1)	
17.	ENV310	Introduction to Hydrology	3(3, 0)	MET105
18.	ENV330	Environment and Human Health	3(3, 0)	ENV101
19.	ENV340	Environmental Hazards and Management of Natural Disasters	3(3, 0)	
20.	ENV350	Environmental Management System	3(2, 1)	
21.	ENV360	Waste Treatment Technology	3(2, 1)	
22.	ENV362	Remote Sensing and GIS	3(2, 1)	
23.	ENV400	Project	6(6, 0)	
24.	ENV424	Environmental Policies and Regulations	3(3, 0)	
25.	ENV433	Climate Change and Global Initiatives	3(3, 0)	ENV101
26.	ENV454	Environmental Impact Assessment	3(3, 0)	
27.	ENV460	Basic Research Methodology	3(3, 0)	HUM102
28.	ERS203	Environmental Geology	3(2, 1)	
29.	HUM100	English Comprehension and Composition	3(3, 0)	
30.	HUM102	Report Writing Skills	3(3, 0)	HUM100
31.	HUM103	Communication Skills	3(3, 0)	HUM100
32.	HUM110	Islamic Studies	3(3, 0)	
33.	HUM111	Pakistan Studies	3(3, 0)	
34.	HUM320	Introduction to Sociology	3(3, 0)	
35.	HUM430	French	3(3, 0)	
36.	MET105	Climatology	3(3, 0)	
37.	MGT461	Project Management	2(2, 0)	

38.	MTH100	Mathematics I	3(3, 0)	
39.	MTH161	Introduction to Statistics	3(3, 0)	MTH100
40.	SLS130	Introductory Soil Science 1	4 (3, 1)	

LISTS OF ELECTIVE COURSES

Sr. #	Course Code	Course Title	Credit Hours	Pre-requisite(s)
1	ENV410	Limnology	3(3, 0)	
2	ENV411	Water Resource Management	3(3, 0)	
3	ENV412	Air Pollution and Control	3(2, 1)	
4	ENV416	Noise Pollution	3(2, 1)	
5	ENV420	Social Theory of Environment	3(3, 0)	
6	ENV421	Introduction to Water and Sanitation	3(3, 0)	
7	ENV422	Poverty and Environment	3(3, 0)	
8	ENV423	Environmental Psychology	3(3, 0)	HUM220
9	ENV425	Energy Resources	3(3, 0)	ENV260
10	ENV430	Applied Environmental Microbiology	3(2, 1)	BIO150
11	ENV431	Applied Environmental Biotechnology	3(2, 1)	BIO320
12	ENV432	Environmental Remediation	3(3, 0)	
13	ENV434	Applied Environmental Chemistry	3(2, 1)	CHM121
14	ENV440	Hydro-geology	3(3, 0)	
15	ENV441	Geochemistry	3(2, 1)	
16	ENV450	Landscape Designing	3(2, 1)	
17	ENV451	Solid Waste Management	3(3, 0)	
18	ENV452	Urban Planning and Management	3(3, 0)	
19	ENV453	Forestry and Wildlife Management	3(2, 1)	
20	SLS434	Soil and Water Conservation Engineering	3(3, 0)	