

2012 Undergraduate Curriculum for Environmental Engineering (I)

Course Number	Course Title	Assessment	Credits	Instruction Hour Allocation					Credits Distribution for Semesters														Responsible Unit	
				Total Hrs	Lec	Lab	Practice	Recita- tion	1	I	2	II	3	III	4	IV	5	V	6	VI	7	VII		8
									19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W		16 W
0004312	Modern Chinese History	Exam	2	32	32	0	0	0	2															School of Marxism
0000011	Physical Education-1	General Assessment	1	32	32	0	0	0	1															Department of Physical Education
0000007	College English (Band One)	Exam	4	64	64	0	0	0	4															College of Foreign Languages
0001903	Calculus (Engineering)-1	Exam	5.5	99	64	0	0	35	5.5															College of Applied Sciences
0001908	Linear Algebra (Engineering)	Exam	3	54	48	0	0	6	3															College of Applied Sciences
0004311	Ethical Conduct and Fundamentals of Law	Exam	3	48	32	0	16	0			3													School of Marxism
0007112	C Program Design	General Assessment	3	48	32	0	16	0			3													College of Computer Science
0000012	Physical Education-2	General Assessment	1	32	32	0	0	0			1													Department of Physical Education
0000008	College English (Band Two)	Exam	4	64	64	0	0	0			4													College of Foreign Languages
0000072	University Physics I-1	Exam	4	64	64	0	0	0			4													College of Applied Sciences
0001904	Calculus (Engineering)-2	Exam	5.5	99	64	0	0	35			5.5													College of Applied Sciences
0006457	Fundamentals of Chinese Sociology	Exam	4	64	48	0	16	0					4											School of Marxism
0002784	Fundamentals of National Defense	Exam	2	32	32	0	0	0				2												Students' Affairs Office
0000013	Physical Education-3	Exam	1	32	32	0	0	0					1											Department of Physical Education
0000009	College English (Band Three)	Exam	4	64	64	0	0	0					4											College of Foreign Languages
0000073	University Physics I-2	Exam	4	64	64	0	0	0					4											College of Applied Sciences
0003333	Probability and Statistics (Engineering)	Exam	3	54	50	0	0	4					3											College of Applied Sciences
0004361	Introduction to Philosophy	Exam	3	48	48	0	0	0							3									School of Marxism
0000014	Physical Education-4	Exam	1	32	32	0	0	0							1									Department of Physical Education
0000010	College English (Band Four)	Exam	4	64	64	0	0	0							4									College of Foreign Languages
University Requirements		Sub-total	62	1090	962	0	48	80	15.5		20.5	2	16		8									
0004759	Inorganic Chemistry	Exam	2.5	40	40	0	0	0	2.5															College of Environmental and Energy Engineering

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				Total Hrs	Lec	Lab	Practice	Recita- tion	1	I	2	II	3	III	4	IV	5	V	6	VI	7	VII		8
									19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W		16 W
0004965	Physics Laboratory (Engineering)-2	Exam	1.5	36	0	36	0	0					1.5											College of Applied Sciences
0001212	Electrical and Electronics Laboratory II	Exam	1	30	15	0	15	0					1											College of Electronic Information and Control Engineering
0007069	Social Practices	Exam	2	48	0	0	48	0								2								School of Marxism
0005715	Experiments of Chemical Engineering Theory II	Exam	0.5	12	0	12	0	0							0.5									College of Environmental and Energy Engineering
0005735	Cognitive Practice	Exam	1	30	0	0	30	0								1								College of Environmental and Energy Engineering
0005730	Experiments of Water Quality Engineering-1	Exam	1	24	0	24	0	0											1					College of Environmental and Energy Engineering
0005732	Experiment of Air Pollution Control Engineering-1	Exam	0.5	12	0	12	0	0											0.5					College of Environmental and Energy Engineering
0003615	Experiments of Solid Wastes Management	Exam	0.5	12	0	12	0	0											0.5					College of Environmental and Energy Engineering
0007412	Pump Station Design	Exam	1	30	0	0	30	0											1					College of Environmental and Energy Engineering
0005733	Experiment of Air Pollution Control Engineering-2	Exam	0.5	12	0	12	0	0												0.5				College of Environmental and Energy Engineering
0005735	Course Design of Water Quality Engineering	Exam	1	30	0	0	30	0												1				College of Environmental and Energy Engineering
0005736	Course Design of Air Pollution Control Engineering	Exam	1	30	0	0	30	0												1				College of Environmental and Energy Engineering
0007409	Professional Practice	Exam	4	120	0	0	120	0												4				College of Environmental and Energy Engineering
0005731	Experiments of Water Quality Engineering-2	Exam	1	24	0	24	0	0												1				College of Environmental and Energy Engineering
0005734	Comprehensive Experiment of Air Pollution Control Engineering	Exam	1	24	0	24	0	0												1				College of Environmental and Energy Engineering
0005234	Senior Project	Exam	16	480	0	0	480	0															16	College of Environmental and Energy Engineering
Practical Requirements		Sub-total	40.5	1158	17	238	903	0	1.5		4	1	3.5		0.5	3				3	8.5		16	
Discipline Electives			2.5	40	40	0	0	0									2.5							
Major Requirements			15.5	248	192	0	56	0									6.5		9					
Major Electives			3	48	32	0	16	0									3							
GEESEM:EM			4	64	64	0	0	0							2		2							
General Education Electives			14	224	224	0	0	0							4		4		4		2			
Electives		Sub-total	39	624	552	0	72	0							6		18		13		2			
Total for Theoretical Instruction			145	2418	2184	0	140	94	22		23	2	26.5		20		25		19.5		7			

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				Total Hrs	Lec	Lab	Practice	Recitation	1	I	2	II	3	III	4	IV	5	V	6	VI	7	VII		8
									19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W		16 W
Total for Practical Instruction			41	1158	17	238	999	0	1.5		4	1	3.5		0.5	3				3	8.5		16	
Innovation Requirements			4	96												4								
Total			190	3672	2201	238	1139	94	23.5		27	3	30		20.5	3	29		19.5	3	15.5		16	

Notation: GEESEM:EM is the abbreviation for General Education Electives for Science and Engineering Majors: Economics and Management.

2012 Undergraduate Curriculum for Environmental Engineering (II)

Course Number	Course Title	Assessment	Credits	Instruction Hour Allocation					Credits Distribution for Semesters														Responsible Unit	
				Total Hrs	Lec	Lab	Practice	Recita- tion	1	I	2	II	3	III	4	IV	5	V	6	VI	7	VII		8
									19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W		16 W
0003012	Environmental Management	General Assessment	2.5	40	40	0	0	0									2.5							College of Environmental and Energy Engineering
0005721	Pump and Fan	Exam	2.5	40	40	0	0	0									2.5							College of Environmental and Energy Engineering
0005728	Energy Theory	General Assessment	2	32	32	0	0	0													2			College of Environmental and Energy Engineering
Discipline Electives		Sub-total	2.5	40	40	0	0	0									2.5							
0004353	Drainage Ductwork Engineering	General Assessment	3.5	56	32	0	24	0									3.5							College of Environmental and Energy Engineering
0005764	Principle of Environmental Engineering (Self-learning)	General Assessment	2	32	32	0	0	0									2							College of Environmental and Energy Engineering
0005723	Environmental Microbiology	Exam	3	48	48	0	0	0									3							College of Environmental and Energy Engineering
0005722	Environmental Engineering Monitoring	General Assessment	4	64	32	0	32	0											4					College of Environmental and Energy Engineering
0005724	Physical Pollution Control Engineering	General Assessment	2.5	40	40	0	0	0											2.5					College of Environmental and Energy Engineering
000578	Environmental Quality Assessment	Exam	2.5	40	40	0	0	0											2.5					College of Environmental and Energy Engineering
0003892	Environmental Engineering Design Basis	General Assessment	2.5	40	40	0	0	0											2.5					College of Environmental and Energy Engineering
Major Requirements		Sub-total	15.5	248	192	0	56	0									6.5		9					
0009001	Instrument Application	General Assessment	3	48	32	0	16	0									3							College of Environmental and Energy Engineering
0005727	Construction and Management of Environmental Engineering	General Assessment	2.5	40	40	0	0	0									2.5							College of Environmental and Energy Engineering
0003986	Monitoring and Purification of Indoor Air Pollution	General Assessment	2	32	32	0	0	0									2							College of Environmental and Energy Engineering
0006378	Environmental Planning	General Assessment	2.5	40	40	0	0	0											2.5					College of Environmental and Energy Engineering
Major Electives		Sub-total	3	48	32	0	16	0									3							

Vice-Director:

Vice-President:

Date:

Date: