

## 2012 Undergraduate Curriculum for Food Quality and Safety ( I )

Course Number	Course Title	Assessment	Credits	Instruction Hour Allocation					Credits Distribution for Semesters														Responsible Unit	
				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
0004311	Ethical Conduct and Fundamentals of Law	Exam	3	48	32	0	16		3															School of Marxism
0000011	Physical Education-1	General Assessment	1	32	32	0	0		1															Department of Physical Education
0000007	College English (Band One)	Exam	4	64	64	0	0		4															College of Foreign Languages
0001903	Calculus (Engineering)-1	Exam	5.5	99	64	0	0	35	5.5															College of Mathematical Application
0004283	Programming with Visual Basic II	Exam	3	48	48	0	0		3															College of Computing
0004312	Modern Chinese History	Exam	2	32	32	0	0				2													School of Marxism
0000012	Physical Education-2	General Assessment	1	32	32	0	0				1													Ministry of Sports Education
0000008	College English (Band Two)	Exam	4	64	64	0	0				4													College of Foreign Languages
0000072	University Physics I-1	Exam	4	64	64	0	0				4													College of Mathematical Application
0001904	Calculus (Engineering)-2	Exam	5.5	99	64	0	0	35			5.5													College of Mathematical Application
0002784	Fundamentals of National Defense	General Assessment	2	32	32	0	0					2												Student' Affairs Department
0004361	Introduction to Philosophy	Exam	3	48	48	0	0						3											School of Marxism
0000013	Physical Education-3	General Assessment	1	32	32	0	0						1											Ministry of Sports Education
0000009	College English (Band Three)	Exam	4	64	64	0	0						4											College of Foreign Languages
0000073	University Physics I-2	Exam	4	64	64	0	0						4											College of Mathematical Application
0006457	Fundamentals of Chinese Sociology	Exam	4	64	48	0	16								4									School of Marxism
0000014	Physical Education-4	General Assessment	1	32	32	0	0								1									Department of Physical Education
0000010	College English (Band Four)	Exam	4	64	64	0	0								4									College of Foreign Languages
University Requirements		Sub-total	56	982	880	0	32	70	16.5		16.5	2	12		9									
0007158	Freshmen Seminar Course	General Assessment	2	32	32	0	0		2															College of Life Science & Bioengineering
0006251	Medical Chemistry I-1	Exam	4	64	64	0	0		4															College of Life Science & Bioengineering
0006252	Medical Chemistry I-2	Exam	4	64	64	0	0				4													College of Life Science & Bioengineering

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									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
0006281	Medical Chemistry I-3	Exam	4	64	64	0	0						4											College of Life Science & Bioengineering
0007197	Biochemistry-1	Exam	3	48	48	0	0						3											College of Life Science & Bioengineering
0007198	Physiology	Exam	3	48	48	0	0								3									College of Life Science & Bioengineering
0007216	Instrumental Analysis (Chinese/English)	Exam	3	48	48	0	0								3									College of Life Science & Bioengineering
0004657	Microbiology	Exam	3	48	48	0	0										3							College of Life Science & Bioengineering
0006886	Food Analysis	Exam	4	64	64	0	0										4							College of Life Science & Bioengineering
0007217	Food Nutrition and Hygiene	Exam	3	48	48	0	0										3							College of Life Science & Bioengineering
0007218	Food Quality Management	Exam	3	48	48	0	0											3						College of Life Science & Bioengineering
0006889	Food Safety	Exam	3	48	48	0	0													3				College of Life Science & Bioengineering
Discipline Requirements		Sub-total	39	624	624	0	0		6		4		7		6		10		3		3			
0004747	Machine Shop Training A	General Assessment	1	30	0	0	30		1															College of Mechanical Engineering &Application of Electronic Technology
0007115	Cognitive Practice	General Assessment	1	30	0	0	30		1															College of Life Science & Bioengineering
0004964	Physics Laboratory (Engineering)-1	General Assessment	1	24	2	22	0				1													College of Mathematical Application
0007199	Medical chemistry experiment-I	General Assessment	1.5	36	0	36	0				1.5													College of Life Science & Bioengineering
0003087	Practices of National Defense	General Assessment	1	30	0	0	30					1												Students' Affairs Department
0004965	Physics Laboratory (Engineering)-2	General Assessment	1.5	36	0	36	0						1.5											College of Mathematical Application
0007200	Medical Chemistry Experiment 2	General Assessment	1.5	36	0	36	0						1.5											College of Life Science & Bioengineering
0007069	Social Practices	General Assessment	2	48	0	0	48									2								School of Marxism
0007201	Experiments in Physiology	General Assessment	1.5	36	0	36	0									1.5								College of Life Science & Bioengineering
0007202	Experiments in Biochemistry	General Assessment	2	48	0	48	0									2								College of Life Science & Bioengineering
0007219	Experiments of Food Physicochemical Analysis	General Assessment	2	48	0	48	0										2							College of Life Science & Bioengineering
0007203	Experiments in Microbiology	General Assessment	1.5	36	0	36	0										1.5							College of Life Science & Bioengineering
0007205	Experiments in Food Inspection	General Assessment	1.5	36	0	36	0												1.5					College of Life Science & Bioengineering
0007187	Professional Practice	General Assessment	4	120	0	0	120													4				College of Life Science & Bioengineering

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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
0007221	Comprehensive Experiments of Food Analysis	General Assessment	2	48	0	48	0													2			College of Life Science & Bioengineering	
0005237	Senior Project	General Assessment	16	480	0	0	480															16	College of Life Science & Bioengineering	
Practical Requirements		Sub-total	41	1122	2	382	738		2		2.5	1	3		3.5	2	3.5		1.5	4	2		16	
Discipline Electives			5	80	80	0	0										3		2					
Major Requirements			16	256	224	0	0	32					3		5		1		5		2			
Major Electives			6	96	96	0	0										2		2		2			
GEESEM:EM			4	64	64	0	0												2		2			
General Education Electives			16	256	256	0	0								2		4		6		4			
Electives		Sub-total	47	752	720	0	0	32					2		7		10		17		10			
Total for Theoretical Instruction			142	2358	2224	0	32	102	22.5		20.5	2	21		22		20		20		13			
Total for Practical Instruction			41	1122	2	382	738		2		2.5	1	3		3.5	2	3.5		1.5	4	2		16	
Innovation Requirements			4	96	0	0	96											2		2				
Total			187	3576	2226	382	866	102	24.5	0	23	3	25	0	25.5	2	23.5	0	23.5	4	17	0	16	

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

## 2012 Undergraduate Curriculum for Food Quality and Safety ( II )

Course Number	Course Title	Assessment	Credits	Instruction Hour Allocation					Credits Distribution for Semesters														Responsible Unit	
				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
0006891	Food Toxicology	Exam	3	48	48	0	0										3							College of Life Science & Bioengineering
0006895	Food Safety Control Technique	Exam	2	32	32	0	0											2						College of Life Science & Bioengineering
Discipline Electives		Sub-total	5	80	80	0	0										3		2					
0006887	Principle of Food Engineering	General Assessment	3	48	48	0	0					3												College of Life Science & Bioengineering
0007196	Biostatistics	Exam	3	48	48	0	0							3										College of Life Science & Bioengineering
0006262	SPSS and Its Application to Medicine (Self-learning)	General Assessment	2	32	0	0	0	32							2									College of Life Science & Bioengineering
0007208	Scientific Writing and Communication (Chinese/English)	General Assessment	1	16	16	0	0										1							College of Life Science & Bioengineering
0007222	Food Technology	Exam	3	48	48	0	0												3					College of Life Science & Bioengineering
0006890	Food Standard and Regulation	Exam	2	32	32	0	0												2					College of Life Science & Bioengineering
0006898	Introduction to Food Culture	Exam	2	32	32	0	0														2			College of Life Science & Bioengineering
Major Requirements		Sub-total	16	256	224	0	0	32					3		5		1		5		2			
0006899	Food Commodity Science	Exam	2	32	32	0	0										2							College of Life Science & Bioengineering
0006901	Food Additives	General Assessment	2	32	32	0	0												2					College of Life Science & Bioengineering
0004662	Introduction to Computational Chemistry (Chinese/English)	Exam	2	32	32	0	0												2					College of Life Science & Bioengineering
0006900	Food Raw Materials	Exam	2	32	32	0	0														2			College of Life Science & Bioengineering
0007215	Advanced Biotechnology	Exam	3	48	48	0	0														3			College of Life Science & Bioengineering
Major Electives		Sub-total	11	176	176												2		4		5			

Vice-Director:

Vice-President:

Date:

Date: