

The 107 Academic Year - Biomedical Science and Environmental Biology

Course List for Undergraduate Program

【First Year】

(Suitable for the student entrance in August 2018)

Subject No.	Subject Name	(R/E)	Credit	Semester	
				Fall	Spring
ACHI	Chinese	R	4	2	2
ARAW	English Reading	R	4	2	2
ALAS	English Listening and Oral Practice	R	2	1	1
ACAI	Introduction to Computer Science and Information Technology	R	0	v	
AITU	Introduction to University	R	P/F	v	
AASN	Service Learning	R	P/F		v
	Physical Education	R	0	v	v
Total Credits of Required Fundamental Education Courses		R	10	5	5
ACAL1	Calculus	R	4	2	2
AGBI5	General Biology	R	6	3	3
AGBL1	General Biology Laboratory	R	2	1	1
Total Credits of Required Subjects		R	22	11	11
00033	All-out Defense Education Military Training -Civil Defense	E	2	1	1
AJAP0	Japanese	E	4	2	2
AGER1	German	E	4	2	2
AGCH0	General Chemistry	E	4	2	2
ABAC1	Biological illustrations	E	3	3	
AIEP1	Introduction to Environmental and Public Health Sciences	E	2	2	
ABLF0	Local Flora	E	3	3	
AIDB1	Introduction of Biodiversity	E	2		2
AELL1	Entomology	E	2		2
AELL2	Entomology Laboratory	E	1		1
AGPH2	General Physics	E	3		3
AGPL0	General Physics Laboratory	E	1		1
ALPB0	Life Planning in Department of Biomedical Science and Environmental Biology	E	1		1
Total Credits of Elective Subjects		E			
Total Credits of Elective Fundamental Education Courses		E		18	

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【Second Year】

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Subject No.	Subject Name	(R/E)	Credit	Semester	
				Fall	Spring
ABIO0	Biochemistry	R	4	2	2
ABCL3	Biochemistry Laboratory	R	1	1	
AMOB0	Molecular Biology	R	3	3	
ABIT1	Biostatistics	R	2	2	
ABIS0	Practice in Biostatistics	R	1	1	
ARTG0	Research Training 1	R	1	1	
AUML1	Literature Review	R	2		2
AECO3	Ecology	R	3		3
AECL0	Ecology Laboratory	R	1		1
	Physical Education	R	0	v	v
Total Credits of Required Subjects		R	18		
ABIA4	Techniques in Biotechnology	E	2	2	
AANB1	Animal Behavior	E	2	2	
AANB2	Animal Behavior Lab.	E	1	1	
AQWE1	Ornithology	E	2	2	
AQWE2	Ornithology-practice	E	1	1	
AEOS2	Ethics in scientific Researches and Publications	E	2	2	
AOCE1	Organic Chemistry	E	4	2	2
AOCL5	Organic Chemistry Laboratory	E	1		1
ASPK6	Research Training 2	E	1		1
New	Plant Taxonomy	E	3		3
ASIB0	Study in the Industries of Biodiversity	E	2		2
APPB0	Plant Physiology	E	3		3
APPL0	Plant Physiology Laboratory	E	1		1
AIVT1	Invertebrate Zoology	E	2		2
AIVT2	Invertebrate Zoology Laboratory	E	1		1
AVRT1	Vertebrate Zoology	E	2		2
AVRT2	Vertebrate Zoology Lab.	E	1		1
AIMJ1	Immunology	E	3		3
AREB	Readings of English Biomedical Journals	E	2		2
AREA	Readings of English Environmental Biology Journals	E	2		2
ATCC3	The Principle and Application of Cell Culture	E	2		2
	All-out Defense Education Military Training -Civil Defense	E	2	1	1
Total Credits of Elective Subjects		E			

The 107 Academic Year - Biomedical Science and Environmental Biology**Course List for Undergraduate Program****【 Third Year 】**

(Suitable for the student entrance in August 2018)

Subject No.	Subject Name	(R/E)	Credit	Semester	
				Fall	Spring
ALIR0	Literature Review in Biology	R	2	1	1
ASQW	Physiology	R	4	2	2
APHL2	Physiology Laboratory	R	2		2
AGEN0	Genetics	R	3	3	
AGEC0	Genetics Laboratory	R	1	1	
Total Credits of Required Subjects		R	12		
ATMB3	Techniques of Molecular Biology	E	2	2	
APLJ1	Plant Tissue Culture and Genetic Engineering	E	2	2	
ALTB0	Laboratory Technology in Cell Biology and Immunology	E	2	2	
AFIB0	Fieldwork in the Industries of Biodiversity	E	2	2	
AEIP0	Ecological Interpretation	E	2	2	
AANL8	Histology	E	2	2	
AANL9	Histology Laboratory	E	2	2	
RETA	Research Training (3)	E	2	2	
ABIF2	Practical Modern Biotechnology	E	1	1	
AECT0	Ecotoxicology	E	3	3	
AEMN0	Entrepreneurial Management : How to Start up a New Company	E	2	2	
PEGS	Population and Ecological Genomics	E	2	2	
ABEE0	Behavioral Ecology	E	2	2	
FDBY	Field Biology	E	2		2
ABHM1	Bio-Mathematics	E	2		2
AMIA2	Techniques of Microscope	E	2		2
AMIA3	Techniques of Microscope Laboratory	E	1		1
AEPR0	Entrepreneurial Practice	E	2		2
ANEU0	Introduction to Neurodegeneration	E	2		2
AMIC3	Microbiology	E	3		3
AMLZ0	Microbiology Laboratory	E	1		1
APGD0	Plant Growth and Development	E	3		3
ABAB0	Principle of Systematics	E	2		2
AWER1	Experimental Design	E	2		2
AWER2	Experimental Design Practice	E	1		1
ABIF0	Modern Biotechnology	E	3		3
ANBL0	Neurobiology	E	3		3
APEY0	Plant Ecology	E	2		2
APEY1	Plant Ecology Laboratory	E	1		1
NSAT4	Research Training(4)	E	2		2
ACEB1	Cell Biology	E	3		3
ATTB0	Evolutionary Biology	E	3		3
ADFR	Career Planning in Department of Biomedical Science and Environmental Biology	E	1		1
Total Credits of Elective Subjects		E			

The 107 Academic Year - Biomedical Science and Environmental Biology

Course List for Undergraduate Program

【Forth Year】

(Suitable for the student entrance in August 2018)

Subject No.	Subject Name	(R/E)	Credit	Semester	
				Fall	Spring
AQSW0	Seminar	R	2	1	1
Total Credits of Required Subjects		R	2		
AGVI0	Virology	E	2	2	
ACDB0	Conservation Biology	E	2	2	
RWQX	Research Training(5)	E	2	2	
ASBO0	Tumor Biology	E	2	2	
ABBC1	Introduction of Bioinformatics	E	2	2	
ASDF0	Genomics	E	2	2	
ABPP0	Protection of Intellectual Protect Rights for Biotechnology	E	2	2	
AMCN1	Molecular and cellular Neurobiology	E	3	3	
ABMJ0	Bio-Medical Journal reading and discussion I	E	2	2	
AEPS2	English Presentations in Science	E	2	2	
ABMT0	Methods in Bio-Medical Research	E	2		2
AERA0	Ecological Risk Assessment	E	3		3
ABMJ1	Bio-Medical Journal reading and discussion II	E	2		2
ATWZ0	Research Training (6)	E	2		2
AENO0	Endocrinology	E	2		2
AMIG0	Microbial Genetics	E	2		2
ASBY0	Synapse Biology	E	3		3
ABDA0	Biological Data Analysis	E	2		2
Total Credits of Elective Subjects		E			

Remarks:

※ Students must complete 128 credit hours to graduate, including 42 credit hours of required courses, 58 credit hours of elective subjects, and 28 credit hours of fundamental education courses.