

obligatory / elective course	No.	course name(ch)	course name	grade	semester	credit	hours/week		Remark
							instruction	parctice	
common course-obligatory	MT00085	全民國防教育軍事訓練-國際情勢	All-out Defence Education Military Training - International Situations	1	1	0	2	0	
	MT00086	全民國防教育軍事訓練-國防政策	All-out Defence Education Military Training - National Defense Policies	1	2	0	2	0	
	PE00217	體育 I	Physical Education I	1	1	0	2	0	
	PE00218	體育 II	Physical Education II	1	2	0	2	0	
	PE00219	體育 III	Physical Education III	2	1	0	2	0	
	PE00220	體育 IV	Physical Education IV	2	2	0	2	0	
language course-obligatory	GE00561	國文	Chinese	1	1	2	2	0	
	LE00297	英文 I	Freshman English I	1	1	2	2	0	
	LE00298	英文 II	Freshman English II	1	2	2	2	0	
	LE00299	外語初級 I	Foreign Language (basic)I	2	1	2	2	0	
	LE00300	外語初級 II	Foreign Language (basic)II	2	2	2	2	0	
general course-obligatory	FS00070	檢驗分析專業倫理	Professional Ethics in Testing and Analysis	1	1	1	1	0	
	GE00206	音樂欣賞	Music Appreciation	1	2	2	2	0	
	GE00537	服務學習	Service-Learning	2	2	1	1	2	
	GE00562	長榮精神	University and Holistic Pastoral Education	1	1	2	2	0	
	GE00567	通識課程		0	1	8	2	0	
	GE00656	體驗學習	Experience Learning	1	1	1	1	2	
	GE00663	經典99	Classics 99	0	1	2	2	0	
dep. course-obligatory	FS00001	微積分	Calculus	1	1	2	2	0	
	FS00002	普通生物學	General Biology	1	1	2	2	0	
	FS00003	生物統計	Biostatistics	1	1	2	2	0	
	FS00000	普通化學	General Chemistry	1	1	2	2	0	
	FS00004	普通化學實驗	General Chemistry Laboratory	1	1	1	0	2	
	FS00005	環境與食品安全檢驗概論	Introduction to Environmental and Food Safety Laboratory Science	1	1	2	2	0	
	FS00006	環保法規	Environmental Laws and Regulations	1	1	2	2	0	
	FS00007	有機化學	Organic Chemistry	1	2	3	3	0	
	FS00008	分析化學	Analytical Chemistry	1	2	3	3	0	
	FS00009	分析化學實驗	Analytical Chemistry Laboratory	1	2	1	0	2	
	FS00010	實驗室安全與衛生	Laboratory Safety and Health	1	2	2	2	0	
	FS00011	食品衛生法規	Act and regulation of food safety and sanitation	1	2	2	2	0	

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dep. course-obligatory	FS00012	環境微生物學	Environmental Microbiology	2	1	3	3	0	
	FS00013	生物化學	Biochemistry	2	1	3	3	0	
	FS00014	檢驗品保	Quality Assurance of Testings	2	2	2	2	0	
	FS00111	食品化學	Food Chemistry	2	2	2	2	0	
	FS00106	儀器分析(含實驗)	Instrumental Analysis (and Laboratory)	3	1	2	2	0	
	FS00018	實驗室認證作業程序	Laboratory Accreditation Process	3	1	2	2	0	
	FS00040	食品微生物學	Food Microbiology	3	1	2	2	0	
	FS00041	食品微生物學實驗	Food Microbiology Laboratory	3	1	1	0	2	
	FS00110	食品衛生與安全	Food Sanitation and Safety	3	1	2	2	0	
	FS00092	食品分析 I	Food Analysis I	3	1	2	2	0	
	FS00107	食品分析實驗 I	Food Analysis Laboratory I	3	1	1	0	2	
	FS00044	食品工廠管理	Management of Food Factory	3	2	2	2	0	
dep. course-elective	FS00020	環境倫理	Environmental Ethics	1	1	2	2	0	
	FS00083	工業衛生概論	Introduction of Industrial Hygiene	1	1	2	2	0	
	FS00022	食物學原理	Food Fundamentals	1	2	2	2	0	
	FS00023	食物學原理實驗	Food Fundamentals Laboratory	1	2	1	0	2	
	FS00025	資料統計與分析	Statistical Data Analysis	1	2	2	2	0	
	FS00027	環境化學	Environmental Chemistry	1	2	2	2	0	
	FS00026	計算機概論	Introduction to Computer	1	2	2	2	0	
	FS00029	食品加工學	Food Processing	2	1	2	2	0	
	FS00030	作業環境測定I	Workplace Monitoring I	2	1	2	2	0	
	FS00064	環境教育	Environmental Education	2	1	2	2	0	
	FS00078	食品加工學實驗	Food Processing Laboratory	2	1	1	0	2	
	FS00073	職業安全衛生法規	Laws and Regulations on Occupational Safety and Health	2	1	2	2	0	
	FS00024	環境採樣與分析	Environmental Sampling and Analysis	2	1	2	2	0	
	FS00042	營養學	Nutrition	2	1	2	2	0	
	FS00015	化學分析技術概論	Introduction to Chemical Analysis Techniques	2	2	2	2	0	
	FS00037	作業環境測定II	Workplace Monitoring II	2	2	2	2	0	
	FS00032	環境污染物分析	Environmental Pollutant Analysis	2	2	2	2	0	
	FS00033	環境污染物分析實驗	Environmental Pollutant Analysis Laboratory	2	2	1	0	2	
	FS00065	環境教育教材教法	Teaching Materials and Methods for Environmental Education	2	2	2	2	0	
	FS00036	食品化學實驗	Food Chemistry Laboratory	2	2	1	0	2	

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dep. course-el ective	FS00079	工業與環境毒物	Industrial and Environmental Toxicology	2	2	2	2	0	
	FS00062	食品工程學	Food Engineering	2	2	2	2	0	
	FS00088	食品品質管制	Food Quality Control	2	2	2	2	0	
	FS00102	噪音與振動	Noise and Vibration	2	2	2	2	0	
	FS00039	水質檢驗	Water Quality Testing	3	1	2	2	0	
	FS00051	發酵學	Fermentation	3	1	2	2	0	
	FS00075	粉塵測定與控制	Measurement and Control on Dust	3	1	2	2	0	
	FS00054	氣候變遷與健康調適	Health Adaptation to Climate Change	3	1	2	2	0	
	FS00091	食品保存技術	Food Preservation Technology	3	1	2	2	0	
	FS00084	生物性危害評估	Biological Hazards and Assessment	3	1	2	2	0	
	FS00113	環境衛生學	Environmental hygiene	3	1	2	2	0	
	FS00019	毒物學原理	Principles of Toxicology	3	2	2	2	0	
	FS00072	環境污染調查評估	Investigation and Assessment of Environmental Pollutions	3	2	2	2	0	
	FS00045	室內空氣品質與管理	Indoor Air Quality and Management	3	2	2	2	0	
	FS00048	分子生物學	Molecular Biology	3	2	3	3	0	
	FS00049	分子生物學實驗	Molecular Biology Laboratory	3	2	1	0	2	
	FS00050	疫苗與免疫偵檢試劑實務	Vaccine and Diagnostic Practice	3	2	2	2	0	
	FS00081	工業安全衛生管理實務	Practical Management on Industrial Safety and Health	3	2	2	2	0	
	FS00082	職業病防治與介紹	Introduction to Occupational Diseases	3	2	2	2	0	
	FS00093	食品分析 II	Food Analysis II	3	2	2	2	0	
	FS00095	食品分析實驗 II	Food Analysis Laboratory II	3	2	1	0	2	
	FS00096	食品生物技術	Food Biotechnology	3	2	2	2	0	
	FS00097	食品安全管制系統	Food Safety Control	3	2	2	2	0	
	FS00053	環境風險評估	Environmental Risk Assessment	4	1	2	2	0	
	FS00056	食品毒物學	Food Toxicology	4	1	2	2	0	
	FS00052	專題研究 I	Special Topics I	4	1	2	2	0	
	FS00058	濫用藥物概論	Introduction of Drug Abuse	4	1	2	2	0	
	FS00059	農藥殘留檢驗	Pesticide Residue Analysis	4	1	2	2	0	
	FS00057	食品安全檢驗專題討論	Seminar of Food Safety Analysis	4	1	2	2	0	
	FS00016	鑑識科學概論	Introduction to Forensic Science	4	1	2	2	0	
	FS00034	土壤及地下水污染調查評估	Investigation and Assessment of Soil and Groundwater Contamination	4	1	2	2	0	

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dep. course-el ective	FS00043	食品添加物	Food Additives	4	1	2	2	0	
	FS00099	基因改造食品	Genetically Modified Foods	4	1	2	2	0	
	FS00100	食品風險管理	Food Risk Management	4	1	2	2	0	
	FS00101	職場英文	Workplace English	4	1	2	2	0	
	FS00098	土壤分析	Soil Analysis	4	1	2	2	0	
	FS00080	作業環境測定實務	Practices of Environmental Monitoring at Workplaces	4	1	2	2	0	
	FS00061	專題研究II	Special Topics II	4	2	2	2	0	
	FS00060	濫用藥物分析	Drug Abuse Analysis	4	2	2	2	0	
	FS00063	產業實習	Internship and Professional Training in Testing and Analysis	4	2	9	0	18	
	FS00067	食品行銷學	Food Marketing	4	2	2	2	0	
	FS00066	食品官能品評	Food Sensory Evaluation	4	2	2	2	0	
	FS00055	環境檢驗專題討論	Seminar of Environmental Analysis	4	2	2	2	0	
	FS00068	新產品開發	Development of Products	4	2	2	2	0	
<p style="text-align: center;">obligatory 73</p> <p style="text-align: center;">elective course 55</p> <p style="text-align: center;">credit sum 128</p>									