

Chang Jung Christian University Master Degree Program of Safety and Health Sciences Curriculum List

(Curriculum Guides,2021 Academic Year)

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obligatory / elective course	No.	course name(ch)	course name	grade	semester	credit	hours/week		Remark
							instruction	parctice	
dep. course-obligatory	SH00000	專題討論 I	Thematic Discussion I	1	1	2	2	0	
	SH00001	研究設計與方法	Study Design	1	1	2	2	0	
	SH00002	安全衛生科學特論	Special Topics on Safety and Health Science	1	1	2	2	0	
	SH00003	專題討論 II	Thematic Discussion II	1	2	2	2	0	
	SH00004	風險危害評估	Hazard Analysis and Risk Assessment	1	2	2	2	0	
	SH00005	風險溝通與危機處理	Risk Communication and Crisis Management	1	2	2	2	0	
	SH00006	校園學術倫理數位課程	Campus Academic Ethics Digital Course	1	2	0	0	2	
dep. course-elective	SH00009	工業安全	Industrial safety	1	1	2	2	0	
	SH00013	職業流行病學	Occupational Epidemiology	1	1	2	2	0	
	SH00014	職業安全衛生法規特論	Special Topics on Occupational Safety and Health Regulations	1	1	2	2	0	
	SH00015	工業衛生	Industrial Hygiene	1	1	2	2	0	
	SH00030	質譜儀原理與應用	Principles and Applications of Mass Spectrometer	1	1	2	2	0	
	SH00031	食品檢驗品保特論	Special Topics on Food Laboratory Sciences and Quality Assurance	1	1	2	2	0	
	SH00032	國際食品安全法規	International Food Safety Act and Regulation	1	1	2	2	0	
	SH00045	空氣品質模式模擬特論	Special topic of air quality modeling and simulation	1	1	2	2	0	
	SH00046	大氣海洋環境探勘特論	Special Topic on Atmospheric and Ocean Environment Exploration	1	1	2	2	0	
	SH00049	綠能發電系統	Green Energy Power Generation System	1	1	2	2	0	
	SH00062	無人機系統專論 I	Special Topics in Unmanned Aerial Systems I	1	1	2	2	0	
	SH00063	無人機應用專論 I	Special Topics in UAV Applications I	1	1	2	2	0	
	SH00064	無人機法規與航管	UAV Regulations and Traffic Control	1	1	2	2	0	
	SH00065	無人載具設計與分析	Unmanned Vehicle Design and Analysis	1	1	2	2	0	
	SH00017	防火與防爆	Fire and Explosion Protection	1	1	2	2	0	
	SH00021	工業安全管理(含應用統計)	Industrial Safety Management (including Applied Statistics)	1	1	2	2	0	
	SH00025	生物安全與危害控制	Biosafety and Hazard Control	1	1	2	2	0	

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dep. course-elective	SH00028	施工安全	Construction Safety	1	1	2	2	0	
	SH00007	作業環境控制工程	Workplace Environments Control Engineering	1	2	2	2	0	
	SH00011	暴露評估特論	Special Topics on Exposure Assessment	1	2	2	2	0	
	SH00033	食品風險評估原則與方法	Principles and Methods for The Risk Assessment of Chemicals in Food	1	2	2	2	0	
	SH00034	微生物與食品安全	Microbials and Food Safety	1	2	2	2	0	
	SH00035	食品與健康風險評估	Food and Health Risk Assessment	1	2	2	2	0	
	SH00047	地球系統健康	Planetary Health	1	2	2	2	0	
	SH00048	能源材料	Energy Materials	1	2	2	2	0	
	SH00050	環境微生物	Environmental Microbiology	1	2	2	2	0	
	SH00051	永續健康建築特論	Special Topics on Sustainable Healthy Building	1	2	2	2	0	
	SH00066	無人機系統專論 II	Special Topics in Unmanned Aerial Systems II	1	2	2	2	0	
	SH00067	無人機應用專論 II	Special Topics in UAV Applications II	1	2	2	2	0	
	SH00068	無人機飛行控制程式設計	UAV Flight Controller Programming	1	2	2	2	0	
	SH00069	無人機空氣動力學與分析	UAV Aerodynamics and Analysis	1	2	2	2	0	
	SH00029	消防安全工程設計	Fire Safety Engineering Design	1	2	2	2	0	
	SH00072	工業防火	Industrial Fire Protection	1	2	2	2	0	
	SH00022	勞工健康服務護理人員安全衛生教育I	Labor Safety and Health Education of Occupational Health Nurses for Labor Health Services I	1	2	2	2	0	
	SH00023	人因工程學(及其應用)	Human Factors Engineering (and its applications)	1	2	2	2	0	
	SH00016	職業安全衛生實務	Occupational Safety and Health Practice	2	1	2	2	0	
	SH00019	火災原因調查與鑑定	Investigation and Identification of the Fire Causes	2	1	2	2	0	
	SH00020	生物偵測特論	Special Topics on Biological Monitoring	2	1	2	2	0	
	SH00026	安全工程特論	Special Topics on Safety Engineering	2	1	2	2	0	
	SH00036	食品安全衛生個案研討	Case Study of Food Safety and Hygiene	2	1	2	2	0	

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dep. course-elective	SH00037	新興污染物評估與分析	Evaluation and Analysis of Emerging Contaminates	2	1	2	2	2	
	SH00038	食媒性疾病流行病學	Epidemiology of Foodborne Disease	2	1	2	2	0	
	SH00039	新穎食品加工技術特論	Special Topics on Novel Food Processing Technology	2	1	2	2	0	
	SH00040	食品安全與風險分析	Food Safety and Risk Analysis	2	1	2	2	0	
	SH00052	書報討論 I	Seminar I	2	1	2	2	0	
	SH00053	空氣品質政策及污染風險評估	Air quality control policy and pollution risk evaluation	2	1	2	2	0	
	SH00054	光電特論	Advanced Topics of Optoelectronics	2	1	2	2	0	
	SH00055	數據擷取與分析特論	Special Topics of Data Acquisition and Analysis	2	1	2	2	0	
	SH00056	能源系統工程評估與實施	Energy Systems Engineering Evaluation and Implementation	2	1	2	2	0	
	SH00057	污染物傳輸與環境品質推估	Pollution Transport and Environmental Quality Assessment	2	1	2	2	0	
	SH00058	氣候變遷與健康調適特論	Special Topics on Climate Change and Health Adaptation	2	1	2	2	0	
	SH00070	無人機導引、導航與控制	UAV Guidance, Navigation and Control	2	1	2	2	0	
	SH00071	無人機推進系統	UAV Propulsion Systems	2	1	2	2	0	
	SH00010	健康風險評估特論	Special Topics on Health Risk Assessment	2	1	2	2	0	
	SH00008	水系統消防安全設備	Water System Fire Safety Equipment	2	1	2	2	0	
	SH00018	製程安全管理特論	Special Topics on Process Safety Management	2	2	2	2	0	
	SH00024	工業通風特論	Special Topics on Industrial Ventilation	2	2	2	2	0	
	SH00027	職場健康促進計畫書書寫	Workplace Health Promotion Plan Writing	2	2	2	2	0	
	SH00041	高等食品化學	Advanced Food Chemistry	2	2	2	2	0	
	SH00042	食品標示	Food Label	2	2	2	2	2	
	SH00043	資料視覺化實務	Data visualization	2	2	2	2	0	
	SH00044	食品防護特論	Special Topics on Food Defense	2	2	2	2	0	
	SH00059	健康風險評估與管理	Health Risk Assessment and Management	2	2	2	2	0	
	SH00060	有害廢棄物管理與減廢	Hazardous Waste Management and Waste Reduction	2	2	2	2	0	
	SH00061	書報討論 II	Seminar II	2	2	2	2	0	

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dep. course-elective	SH00012	化學系統消防安全設備	Chemical System Fire Safety Equipment	2	2	2	2	0	
obligatory 12 elective course 15 credit sum 27									