

Chang Jung Christian University Department of Occupational Safety and Health 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	
common course-ob ligatory	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-ob ligatory	GE00561	國文	Chinese	1	2	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-ob ligatory	GE00206	音樂欣賞	Music Appreciation	1	2	2	2	0	
	GE00562	長榮精神	University and Holistic Pastoral Education	1	2	2	2	0	
	GE00567	通識課程		0	1	8	2	0	
	GE00656	體驗學習	Experience Learning	1	2	1	1	2	
dep. course-ob ligatory	OH00633	微積分 I	Calculus I	1	1	2	2	0	
	OH00638	統計學 I	Statistics I	1	1	2	2	0	
	OH00554	工業衛生概論	Introduction of Industrial Hygiene	1	1	2	2	0	
	OH00643	自然科學概論 I	Introduction to Basic Natrual Sciences I	1	1	2	2	0	
	OH00699	管理概論	Introduction to Management	1	1	2	2	0	
	OH00234	計算機概論	Introduction to Computer	1	2	2	2	0	
	OH00634	微積分 II	Calculus II	1	2	2	2	0	
	OH00635	統計學 II	Statistics II	1	2	2	2	0	
	OH00555	工業安全概論	Introduction to Industrial Safety	1	2	2	2	0	
	OH00370	環保法規	Environmental Laws and Regulations	1	2	2	2	0	
	OH00631	自然科學概論 II	Introduction to Basic Natrual Sciences II	1	2	2	2	0	
	OH00639	作業環境測定 I	Workplace Monitoring I	2	1	2	2	0	
	OH00206	流行病學	Epidemiology	2	1	2	2	0	
	OH00632	自然科學概論 III	Introduction to Basic Natrual Sciences III	2	1	2	2	0	
	OH00714	職業安全衛生法規	Occupational Safety and Health Act	2	1	2	2	0	
	OH00303	勞動生理學	Work Physiology	2	2	2	2	0	

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dep. course-ob ligatory	OH00640	作業環境測定 II	Workplace Monitoring II	2	2	2	2	0	
	OH00549	火災學	Fire Dynamics	2	2	2	2	0	
	OH00550	風險評估	Risk Analysis	3	1	2	2	0	
	OH00007	人因工程	Human Factors	3	1	2	2	0	
	OH00562	工業安全衛生管理實務	Practical Management on Industrial Safety and Health	3	2	2	2	0	
	OH00047	工業通風	Industrial Ventilation	3	2	2	2	0	
dep. course-el ective	OH00805	職業安全衛生深 碗專題 I	Occupational Safety and Health Project by Deep-Bowl Learning I	0	1	2	2	0	
	OH00806	職業安全衛生深 碗專題 II	Occupational Safety and Health Project by Deep-Bowl Learning II	0	1	2	2	0	
	ZE00000	跨領域微學分 I	Interdisciplinary Microcredit Course I	0	1	1	1	0	
	ZE00001	跨領域微學分 II	Interdisciplinary Microcredit Course II	0	1	1	1	0	
	ZE00002	跨領域微學分 III	Interdisciplinary Microcredit Course III	0	1	1	1	0	
	OH00379	環境科學	Environmental Science	1	1	2	2	0	
	OH00534	科技英文 I	Technical English I	1	1	2	2	0	
	OH00504	工業組織心理學	Industrial and Organization Psychology	1	1	2	2	0	
	OH00064	公共衛生學	Public Health	1	1	2	2	0	
	OH00726	環境倫理	Environmental Ethics	1	1	2	2	0	
	OH00799	旋翼機基礎實務 I	Drone fundamental and Practice I	1	1	2	2	0	
	OH00700	管理學	Management	1	2	2	2	0	
	OH00529	科技英文 II	Technical English II	1	2	2	2	0	
	OH00675	環境科技及全球 氣候變遷	Environmental Technology and Glboal Claimate Change	1	2	2	2	0	
	OH00747	化學	Chemistry	1	2	2	2	0	
	OH00800	旋翼機基礎實務 II	Drone fundamental and Practice II	1	2	2	2	0	
	OH00613	職場健康促進與 管理	Workplace Health Promotion and Management	2	1	2	2	0	
	OH00520	英語書報討論 I	Professional Article Discussion in English I	2	1	2	2	0	
	OH00331	電氣安全	Electrical Safety	2	1	2	2	0	
	OH00574	工程數學	Engineering Mathematics	2	1	2	2	0	
	OH00358	噪音與振動	Noise and Vibration	2	1	2	2	0	
	OH00319	微生物學	Microbiology	2	1	2	2	0	
	OH00157	有機化學	Organic Chemistry	2	1	2	2	0	

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dep. course-el ective	OH00663	成本會計	Cost Accounting	2	1	2	2	0	
	OH00725	機械完整性概論	Introduction to Mechanical Integrity	2	1	2	2	0	
	OH00748	物理	Physics	2	1	2	2	0	
	OH00730	環境教育	Environmental Education	2	1	2	2	0	
	OH00801	專題實作I	Research Project I	2	1	2	2	0	
	OH00369	營建安全	Construction Safety	2	2	2	2	0	
	OH00521	英語書報討論II	Professional Article Discussion in English II	2	2	2	2	0	
	OH00365	機械安全	Machinery Safety	2	2	2	2	0	
	OH00552	化學工程	Chemical Engineering	2	2	2	2	0	
	OH00330	資料統計與分析	Practice in Biostatistics and Data Analysis	2	2	2	2	0	
	OH00579	環境化學	Environmental Chemistry	2	2	2	2	0	
	OH00067	分析化學	Analytical Chemistry	2	2	2	2	0	
	OH00411	職業災變與救護	Industrial Emergency Response and First Aid	2	2	2	2	0	
	OH00665	工程經濟	Engineering Economics	2	2	2	2	0	
	OH00729	勞動法規	Labor Law	2	2	2	2	0	
	OH00568	粉塵測定與控制	Measurement and Control on Dust	2	2	2	2	0	
	OH00318	進階流行病學	Advanced Epidemiology	2	2	2	2	0	
	OH00802	專題實作II	Research Project II	2	2	2	2	0	
	OH00101	生物性危害評估	Biological Hazards and Assessment	3	1	2	2	0	
	OH00484	作業環境測定實務	Practices of Environmental Monitoring at Workplaces	3	1	2	2	0	
	OH00660	環境採樣與分析	Environmental Sampling and Analysis	3	1	2	2	0	
	OH00266	問卷設計	Questionnaire Design	3	1	2	2	0	
	OH00366	輻射安全	Radiation Protection and Safety	3	1	2	2	0	
	OH00664	健康風險評估與管理	Health Risk Assessment and Management	3	1	2	2	0	
	OH00341	儀器分析	Instrumental Analysis	3	1	2	2	0	
	OH00582	室內空氣污染與控制	Indoor air Pollution and Control	3	1	2	2	0	
	OH00578	應用力學	Applied Mechanics	3	1	2	2	0	
	OH00585	熱力學	Thermodynamics	3	1	2	2	0	
	OH00372	環境工程概論	Introduction to Environmental Engineering	3	1	2	2	0	
	OH00750	滅火系統消防設備	Fire suppression system	3	1	2	2	0	

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dep. course-el ective	OH00642	安全工程	Safety Engineering	3	1	2	2	0	
	OH00666	作業研究	Operation Research	3	1	2	2	0	
	OH00297	統計軟體應用	Application of Statistical Software	3	1	2	2	0	
	OH00532	專題討論 I	Seminar I	3	1	2	2	0	
	OH00641	事故調查與分析	Accident Investigation	3	2	2	2	0	
	OH00649	個人防護具	Personal Protector	3	2	2	2	0	
	OH00257	消防法規	Fire Safety Laws and Regulations	3	2	2	2	0	
	OH00103	生物偵測	Biological Monitoring	3	2	2	2	0	
	OH00657	生物性危害物採樣分析實務	Practical Sampling and Analysis for Hazardous Biologcial Agents	3	2	2	2	0	
	OH00669	職場社會心理危害與預防	Occupational Psychosocial Hazards and Prevention	3	2	2	2	0	
	OH00670	緊急變應	Emergency Response	3	2	2	2	0	
	OH00656	危險性機械與設備	Hazardous Machines and Equipment	3	2	2	2	0	
	OH00693	化學分析技術概論	Chemical Analysis Technique	3	2	2	2	0	
	OH00385	環境規劃與管理	Environmental Planning and Management	3	2	2	2	0	
	OH00662	人際關係與溝通技巧	Interpersonal relationships and communication skills	3	2	2	2	0	
	OH00749	環境污染物分析	Analysis of Environmental pollutants	3	2	2	2	0	
	OH00727	環境教育教材教法	Materials and Methodologies for Environmental Education	3	2	2	2	0	
	OH00757	職業安全衛生專業證照與實作	Occupational Safety and Health Professional Licenses and Implementation	3	2	2	2	0	
	OH00760	有機溶劑與特化危害預防	Organic Solvents and Chemical Hazards Prevention	3	2	2	2	0	
	OH00680	安全衛生稽核與績效評估	Occupational Safety and Health Auditing and Performance Evaluation	3	2	2	2	0	
	OH00506	安全實驗	Safety Laboratories	3	2	2	0	4	
	OH00773	職業衛生總論 I	Comprehensive Review of Occupational Health I	3	2	2	2	0	
	OH00795	職業安全總論 I	Comprehensive Review of Occupational Safety I	3	2	2	2	0	
	OH00050	工業與環境毒物	Industrial and Environmental Toxicology	3	2	2	2	0	
	OH00503	暴露評估	Exposure Assessment	3	2	2	2	0	
	OH00533	專題討論 II	Seminar II	3	2	2	2	0	

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dep. course-elective	OH00645	安全衛生書報討論	Seminar in Occupational Safety and Health	4	1	2	2	0	
	OH00654	安全心理學概論	Introduction to Psychology of Safety	4	1	2	2	0	
	OH00304	勞動檢查實務	Practice in Workplace Inspection	4	1	2	2	0	
	OH00674	新興科技健康風險	Emergent technology and health risk	4	1	2	2	0	
	OH00691	作業環境控制工程概論	Intorduction to Engineering Control of Workplace Hazards	4	1	2	2	0	
	OH00152	有害廢棄物管理	Hazardous Waste Management	4	1	2	2	0	
	OH00746	藥物食品檢驗分析	Drug and Food Testing and Analysis	4	1	2	2	0	
	OH00751	消防設備檢修實務	Inspection practice of fire protection system	4	1	2	2	0	
	OH00755	職場藥物濫用	Workplace Drug Abuse	4	1	2	2	0	
	OH00758	職業安全衛生管理系統	Occupational Safety and Health Management Systems	4	1	2	2	0	
	OH00759	安全衛生業務主管實務	Labor Safety and Health Affairs Manager Practices	4	1	2	2	0	
	OH00673	職業傷病個案討論與研究	Case Study of Occupational Diseases	4	1	2	2	0	
	OH00797	職業安全總論 II	Comprehensive Review of Occupational Safety II	4	1	2	2	0	
	OH00798	職業衛生總論 II	Comprehensive Review of Occupational Health II	4	1	2	2	0	
	OH00478	實驗室安全與衛生	Laboratory Safety and Hygiene	4	1	2	2	0	
	OH00090	半導體製程安全	Safety of Semiconductor Manufacturing Process	4	2	2	2	0	
	OH00655	腐蝕學概論	Introduction to Corrosion	4	2	2	2	0	
	OH00414	職業病防治與介紹	Introduction to Occupational Diseases	4	2	2	2	0	
	OH00667	安全衛生軟體應用	Application of Occupational Safety and Health Software	4	2	2	2	0	
	OH00672	室內空氣品質與管理	Management of Indoor Air Quality	4	2	2	2	0	
	OH00390	環境影響評估	Environment Impact Assessment	4	2	2	2	0	
	OH00679	有害物質管理	Hazardous Material Management	4	2	2	2	0	
	OH00684	安全衛生教育訓練	Safety and Health Education and Training	4	2	2	2	0	
	OH00078	水與廢水處理	Water and Wastewater Treatment Technology	4	2	2	2	0	
	OH00563	警報避難設備	Alarm and Flight Devices	4	2	2	2	0	
	OH00752	製程危害管理	Process hazard management	4	2	2	2	0	
	OH00814	職場實習	Field Internship	4	2	9	0	18	

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obligatory / elective course	No.	course name(ch)	course name	grade	semester	credit	hours/week		Remark
							instruction	parctice	
obligatory 67									
elective course 61									
credit sum 128									
The maximum elective credits from other departments that can be counted is 15									