

Chang Jung Christian University Department of Medical Science Industries Curriculum List

(Curriculum Guides,2019 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-obligatory	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	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	
general course-obligatory	LE00300	外語初級 II	Foreign Language (basic)II	2	2	2	2	0	
	GE00206	音樂欣賞	Music Appreciation	1	2	2	2	0	
	GE00537	服務學習	Service-Learning	1	2	1	1	2	
	GE00562	長榮精神	University and Holistic Pastoral Education	1	2	2	2	0	
dep. course-obligatory	GE00567	通識課程		0	1	8	2	0	
	GE00656	體驗學習	Experience Learning	1	1	1	1	2	
	MS00087	醫學專業倫理	Medical Ethics	1	1	3	3	0	
	MS00000	普通化學(含實驗)	General Chemistry (Including Lab)	1	1	3	3	0	
	MS00002	解剖學(含實驗)	Anatomy & Lab.	1	1	3	3	0	
	MS00058	心理學	Psychology	1	1	3	3	0	
	MS00088	計算機概論	Introduction to Calculus	1	2	2	2	0	
	MS00060	生理學	Physiology	1	2	3	3	0	
	MS00061	有機化學	Organic Chemistry	1	2	3	3	0	
	MS00062	有機化學實驗	Organic Chemistry Laboratory	1	2	1	0	3	
	MS00065	生藥學(含植物化學)	Pharmacognosy (Including Plant Chemistry)	2	1	3	3	0	
	MS00063	藥理學	Pharmacology	2	1	3	3	0	
	MS00064	藥學導論	Perspective in Pharmacy	2	1	3	3	0	
	MS00011	藥物科技與實務	Pharmaceutical Technology & Lab.	2	2	4	4	0	
	MS00066	臨床生物化學	Clinical Biochemistry	2	2	3	3	0	
	MS00067	生物統計	Fundamentals of Biostatistics	2	2	3	3	0	
MS00068	藥物化學	Medicinal Chemistry	3	1	3	3	0		
MS00069	製藥產業	Pharmaceutical Industry	3	2	3	3	0		
dep. course-el	MS00070	健康照護概論	General Health Care	1	1	3	3	0	

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dep. course-elective	MS00071	微生物與寄生蟲學	Microbiology (Including Parasitology)	1	2	3	3	0	
	MS00072	醫藥科技英文I	Technical English in Medicine I	2	1	3	3	0	
	MS00036	香粧品產業概論	Introduction to Cosmetic Industry	2	1	2	2	0	
	MS00073	醫藥科技英文II	Technical English in Medicine II	2	2	3	3	0	
	MS00048	動物實驗方法	Animal Experimental Method	2	2	2	2	0	
common course-elective	PE00343	體育V	Physical Education V	3	1	1	2	0	
dep. course-elective	MS00009	細胞生物學	Cell Biology	3	1	2	2	0	
	MS00008	外科學	Surgery	3	1	2	2	0	
	MS00015	內科學	Internal Medicine	3	1	2	2	0	
	MS00024	營養學	Nutrition	3	1	2	2	0	
	MS00025	天然物化學	Chemistry of Natural Products	3	1	2	2	0	
	MS00091	毒理學	Pharmaceutical Toxicology	3	1	3	3	0	
common course-elective	PE00344	體育VI	Physical Education VI	3	2	1	2	0	
dep. course-elective	MS00035	健康食品概論	Introduction to Health Food	3	2	2	2	0	
	MS00076	中藥概論	Outline of Chinese Materia Medica	3	2	2	2	0	
	MS00077	炮製學(含實驗)	TCM Processing (Including Lab)	3	2	3	3	0	
	MS00010	病理學	Phathology	3	2	2	2	0	
	MS00094	藥理學特論	Advanced Pharmacology	3	2	3	3	0	
	MS00042	醫藥行銷管理	Marketing Management in Medicine	3	2	2	2	0	
	MS00102	癌症標靶治療學	Targeted Therapies for Malignant Tumors	3	2	3	3	0	
	MS00103	次世代分子診斷與技術原理	Next generation diagnostics and technology	3	2	3	3	0	
	MS00104	結構生物學概論	Introduction to Structural Biology	3	2	2	2	0	
	MS00012	免疫學	Immunology	4	1	2	2	0	
	MS00045	發酵應用與實務	Fermentation Application & Lab.	4	1	3	3	0	
	MS00074	專題製作I	Research and Writing Thesis I	4	1	3	3	0	
	MS00080	產業實習I	Practice in Medical Industry I	4	1	3	0	6	
	MS00081	產業實習II	Practice in Medical Industry II	4	1	3	0	6	
	MS00093	藥劑學	Pharmaceutical Dosage Forms, Drug Delivery Systems and Medical Devices	4	1	3	3	0	

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dep. course-el ective	MS00095	產業見習	Internship in Industry	4	1	3	0	9	
	MS00126	生物材料學	Biomaterials	4	1	2	2	0	
	MS00082	產業實習III	Practice in Medical Industry III	4	2	3	0	6	
	MS00018	儀器分析	Instrumental Analysis	4	2	2	2	0	
	MS00047	健康藥膳與實務製備	Health Medicated Diet & Lab.	4	2	3	3	0	
	MS00049	天然物分離技術	Separation Techniques for the Isolation of Natural Products.	4	2	2	2	0	
	MS00052	醫療器材專利與法規	Medical equipment and regulation	4	2	2	2	0	
	MS00075	專題製作II	Research and Writing Thesis II	4	2	3	3	0	
	MS00078	疾病與藥物導論	Disease and Drug Review	4	2	3	3	0	
	MS00083	產業實習IV	Practice in Medical Industry IV	4	2	3	0	6	
	MS00084	產業實習V	Practice in Medical Industry V	4	2	3	0	6	
	MS00092	生物製藥與藥物動力學	Biopharmaceutics& Pharmacokinetics	4	2	3	3	0	
	MS00101	精準醫療	Precision Medicine	4	2	3	3	0	
	MS00127	醫學工程	Medical Engineering	4	2	2	2	0	
obligatory 70 elective course 58 credit sum 128									