

國立勤益科技大學 112 學年度日間部四年制健康產業科技研發與管理系學分計畫表
National Chin-Yi University of Technology

Curriculum Planning of 2023 Four-Year Degree in Department of Healthcare Industry Technology Development and Management

111.11.25.系課程委員會會議審議通過
111.11.28.系務會議審議通過
111.11.29.院課程委員會審議通過
111.12.13.校課程會議及 111.12.22.臨時教務會議審議通過
112.3.7.系課程委員會及系務會議修訂通過
112.4.25.系課程會議及系務會議修訂通過
112.05.17.院課程會議修訂通過
112.06.01.校課程委員會及 112.06.15.臨時教務會議審議修正通過
112.11.01.系課程委員會及系務會議修訂通過
112.11.23.院課程會議修訂通過
112.12.07.校課程委員會及 112.12.21.臨時教務會議修訂通過
113.12.5.校課程委員會及 113.12.24.臨時教務會議審議修訂通過
114.12.4.校課程委員會及 114.12.23.臨時教務會議修訂通過

科目	Subjects	上學期 First Semester			下學期 Second Semester		
		學分 Credits	正課 Lecture	實習 Internship	學分 Credits	正課 Lecture	實習 Internship
共同必修科目(28 學分) General Required Courses (28credits hours)							
第一學年 First Year							
國文(一)	Chinese (I)	2	2	0			
大一英文(一)	Freshman English (I)	2	2	0			
英文聽講(一)	English Listening and Speaking (I)	1	1	0			
歷史與文化(一)	History and Culture (I)	2	2	0			
體育(一)	Physical Education (I)	0	2	0			
全民國防教育軍事訓練(一)	All-Out Defense Education Military Training (I)	0	2	0			
國文(二)	Chinese (II)				2	2	0
大一英文(二)	Freshman English (II)				2	2	0
英文聽講(二)	English Listening and Speaking (II)				1	1	0
歷史與文化(二)	History and Culture (II)				2	2	0
體育(二)	Physical Education (II)				0	2	0
全民國防教育軍事訓練(二)	All-Out Defense Education Military Training (II)				0	2	0
第二學年 Second Year							
藝術鑑賞	Art Appreciation	1	1	0			
音樂鑑賞	Music Appreciation	1	1	0			
博雅通識課程	Liberal Education	2	2	0			
體育(三)	Physical Education (III)	0	2	0			
博雅通識課程	Liberal Education				2	2	0
體育(四)	Physical Education (IV)				0	2	0
憲法與民主	Constitution and Democracy				2	2	0
博雅通識課程	Liberal Education				2	2	0
第三學年 Third Year (無必修課程 No General Required Courses)							
第四學年 Fourth Year							
博雅通識課程	Liberal Education	2	2	0			
博雅通識課程	Liberal Education				2	2	0
專業必修科目(57 學分) Department Core Required Courses (57 credits hours)							
第一學年 First Year							
微積分(一)	Calculus (I)	2	2	0			
管理學	Management	3	3	0			
健康輔具研發概論	Introduction to Health Aids Research and Development	3	3	0			
科技適能檢測與實務	Technology-based Fitness Testing and Practice	3	3	0			
健康產業概論	Introduction to the Health Industry	3	3	0			
微積分(二)	Calculus (II)				2	2	0
健康輔具設計原理與應用	Theory and Application of Health Aids Design				3	3	0
△人因工程於健康產業應用	△ Application of Ergonomics in the Health Industry				3	3	0
基礎經濟學	Fundamental Economics				2	2	0
第二學年 Second Year							
人力資源管理	Human Resources Management	3	3	0			
功能性體適能訓練與運動輔具應用	Functional Fitness Training and Application of Sports Assistive Devices	3	3	0			
●運動傷害防護與貼紮	● Sports Injury Prevention and Taping	3	3	0			
行銷學	Marketing				3	3	0
運動輔具專題研究	Project Study on Sports Assistive Devices				3	3	0
科技英文	Scientific English				2	2	0
生涯發展與輔導	Career Development and Counseling				3	3	0
第三學年 Third Year (無必修課程 No General Required Courses)							
第四學年 Fourth Year							
健康產業專業英文	Professional English for the Health Industry	2	2	0			
健康產業趨勢分析	Trend Analysis on the Health Industry	3	3	0			
健康養生藥膳	Health Medication Diets				3	3	0

科目	Subjects	上學期 First Semester			下學期 Second Semester		
		學分 Credits	正課 Lecture	實習 Internship	學分 Credits	正課 Lecture	實習 Internship
健康產業服務品質管理	Service Quality Management for the Health Industry				2	2	0
健康產業專案管理概論	Introduction to Project Management in the Health Industry				3	3	0
專業選修科目 Department Electives Courses							
第一學年 First Year							
專業共同選修 Core Professional Electives Courses							
科技與生活	Technology and Life	3	3	0			
人工智慧概論	Introduction to Artificial Intelligence	3	3	0			
綠色健康養生保健	Green Health and Health Regimen	3	3	0			
●高齡旅遊	● Elderly Travel	3	3	0			
△健康資訊與程式設計	△ Health Information and Program Design	3	3	0			
萃思創意思考與應用概論	Introduction to TRIZ Inventive Thinking and Application	3	3	0			
●養生飲務管理與實務	● Management and Practice in Health-oriented Food and Beverage	3	3	0			
社區健康服務實務	Community Health Service Practice				3	3	0
健康資訊科技與管理	Health Information Technology and Management				3	3	0
銀髮與長照創新與管理	Senior and Long Term Care Innovation and Management				3	3	0
健康產業服務作業禮儀	Health Industry Service Etiquettes				3	3	0
健康運動設計	Health Exercise Design				3	3	0
東方健康醫學	Oriental Health Medicine				3	3	0
共同選修 Core Professional Electives Courses							
外語選修課程	Foreign language elective courses	2	2	0	2	2	0
外語菁英課程	Foreign Language Elite Courses	6	6	0	6	6	0
第二學年 Second Year							
專業共同選修 Core Professional Electives Courses							
健康管理	Health Management	3	3	0			
運動指導與設計	Sports Guidance and Design	3	3	0			
消費者行為	Consumer Behavior	3	3	0			
健身養生操	Fitness Exercises	3	3	0			
智慧整合照護模式設計與運用	Design and Application of the Smart Integrated Care Model	3	3	0			
醫療應用軟體實務	Medical Applied Software Practice	3	3	0			
△AI 健康產業人工智慧資訊管理	△ AI Information Management for the Health Industry	3	3	0			
統計應用軟體	Statistics Software	3	3	0			
研究法	Research Methodology				3	3	0
健康俱樂部經營實務	Fitness Club Management and Operation				3	3	0
健康體適能與運動處方設計	Fitness and Exercise Prescription Design				3	3	0
顧客關係管理	Customer Relations Management				3	3	0
健康產業資料分析與應用	Data Analysis and Application for the Health Industry				3	3	0
智慧醫療管理與應用	Smart Medical Management and Application				3	3	0
健康大數據分析	Health Big Data Analysis				2	2	0
健康產業虛擬實境	Virtual Reality for the Health Industry				3	3	0
運動科學概論	Introduction to Sports Science				3	3	0
校外實習(暑期)	Internship (Summer Session)				2	0	3
共同選修 Core Professional Electives Courses							
外語選修課程	Foreign language elective courses	2	2	0	2	2	0
外語菁英課程	Foreign Language Elite Courses	6	6	0	6	6	0
全民國防教育軍事訓練(三)	All-Out Defense Education Military Training (III)	1	2	0			
全民國防教育軍事訓練(四)	All-Out Defense Education Military Training (IV)				1	2	0
第三學年 Third Year							
專業共同選修 Core Professional Electives Courses							
健康科技與經濟評估	Health Technology and Economic Evaluation	3	3	0			
智慧型運動輔具應用實務	Smart Sports Assistive Devices Application and Practice	3	3	0			
運動按摩術	Athletic Massage	3	3	0			
高齡產業經營與管理	Operation and Management of the Senior Industry	3	3	0			
校外實習(一)	Internship (I)	12	0	12			
校外實習(二)	Internship (II)				12	0	12
高齡者心理學	Psychology of Aging				3	3	0
科技與樂活產品設計	Technology and LOHAS Product Design				3	3	0
輔具科技服務	Assistive Technology Service				3	3	0
醫療觀光	Medical Tourism				3	3	0
共同選修 Core Professional Electives Courses							
外語選修課程	Foreign language elective courses	2	2	0	2	2	0
外語菁英課程	Foreign Language Elite Courses	6	6	0	6	6	0
體育選修	Physical Elective Course	1	2	0	1	2	0
全民國防教育軍事訓練(五)	All-Out Defense Education Military Training (V)	1	2	0			
第四學年 Fourth Year							
專業共同選修 Core Professional Electives Courses							

科目	Subjects	上學期 First Semester			下學期 Second Semester		
		學分 Credits	正課 Lecture	實習 Internship	學分 Credits	正課 Lecture	實習 Internship
國際健身運動產業-訓練與術語	International Fitness Industry: Training and Terminology	3	3	0			
科技健康產業個案分析與研討	Health Industry Case Analysis and Discussion	3	3	0			
高齡者教育與多媒體應用	Senior Education and Multimedia Application	3	3	0			
行銷研究	Marketing Research				3	3	0
健康產業財務管理	Health Industry Financial Management				3	3	0
樂活休閒活動規劃	LOHAS Leisure Activities Design				3	3	0
科技管理實務講座	Technology Management Practice Seminar				3	3	0
共同選修 Core Professional Electives Courses							
外語選修課程	Foreign language elective courses	2	2	0	2	2	0
外語菁英課程	Foreign Language Elite Courses	6	6	0	6	6	0
體育選修	Physical Elective Course	1	2	0	1	2	0

備註 Note:

- 一、 畢業至少應修滿 128 學分【必修 85 學分，選修至少 43 學分（須含本系專業選修至少 29 學分）】
To meet the graduation requirement, students are required to complete at least 128 credit hours, which include 85 required credit hours, 43 elective credit hours with a minimum of 29 credit hours of elective courses offered by the program.
- 二、 本校訂有「國立勤益科技大學學生畢業門檻辦法」，畢業門檻條件：英文能力及自主學習，請依規定辦理。
Our school has established the "National Chin-yi University of Science and Technology Student Graduation Threshold Measures", Graduation threshold: English proficiency and independent study, please follow the regulations.
- 三、 博雅通識課程三大領域中，每一領域至少各修習一門課程，學分總計至少 10 學分。每門課程學分數（時）為 2 學分 2 學時或 3 學分 3 學時。
Among the 3 core areas of liberal education curriculum, students should take 10 or more credits in 3 different areas. The credit hours for each course are either 2 hours course with 2 credits or 3 hours course with 3 credits.
- 四、 專業選修須為本系開設之選修課或經本系認可之科目，跨系選修不得超過選修學分之三分之一。
Professional Elective Courses should be courses offered by the program or approved by the program. No more than One-Third of the elective course credit hours can be transferred from other programs.
- 五、 第三學年選修校外實習課程者以一學年為單位(共計 2 門課/24 學分)。
Professional Internship in the 3rd Year of the degree plan is an one academic year course with a total of 8 courses and 24 credit hours.
- 六、 本系另訂有系訂畢業門檻，學生在學期間需考取二張專業證照。
To meet the program graduation requirement, students are required to obtain two professional certificates/licenses during their studies.
- 七、 課程名稱前有標示「●」符號者，為「職能專業課程」。
Courses with a "●" refer to a professional competence course.
- 八、 課程名稱前有標示「△」符號者，為「程式設計課程」。
Courses with a "△" refer to an application design course.
- 九、 課程名稱前有標示「AI」符號者，為「人工智慧相關課程」。
Courses with an "AI" refer to an artificial intelligence related course.
- 九、 學生須選讀至少一門本系所訂定之跨領域學程課程，並有成績登錄。
Students need to register for at least one the course of inter-disciplinary program set by this department and have a record of grades.

「數位健康跨領域學分學程 Digital Health Cross-Discipline Module」:

本系 The Department					外系(選擇二門) Other Department(s) (Choosing Two Courses)				
課程選別 Required/ Elective Courses	學年 School Year	科目名稱 Course Name	學分 Credit	學時 Hours	選修系 Department	學年 School Year	科目名稱 Course Name	學分 Credit	學時 Hours
選修 Electives Courses	二/上 Second Year/ First Semester	健康產業人工智慧資訊管理 AI Information Management for the Health Industry	3	3	流通管理系 Department of Distribution Management	二/上 Second Year/ First Semester	多媒體設計 Multimedia Design	3	3
必修 Required	四/上 Fourth Year/ First Semester	健康產業趨勢分析 Analysis of the Current Trend in Health Industry	3	3	資訊管理系 Department of Information Management	二/下 Second Year/ Second Semester	網路行銷 Internet Marketing	3	3
選修 Electives Courses	二/下 Second Year/ Second Semester	健康產業資料分析與應用 Data Analysis and Application for the Health Industry	3	3	資訊管理系 Department of Information Management	二/下 Second Year/ Second Semester	影像處理與應用 Image Processing and Applications	3	3
選修 Electives Courses	二/下 Second Year/ Second Semester	健康俱樂部經營實務 Fitness Club Management and Operation	3	3	流通管理系 Department of Distribution Management	三/下 Third Year/ Second Semester	大數據分析 Big Data Analysis	3	3
					企業管理系 Department of Business Administration	三/下 Third Year/ Second Semester	「AI」人工智慧數位行銷 Artificial Intelligence in Digital Marketing	3	3

九、 112 學年度入學適用。

The regulation shall be applied starting 2023.

十一、為因應法規變更、評鑑建議或政府計畫規定等外在因素，本系保有調整學分計畫之權利。若有修訂，將於學期開始前公告，並明確說明修訂內容、影響範圍及相關配套措施，以保障學生權益。

The department reserves the right to adjust the curriculum in response to external factors such as changes in regulations, suggestions of evaluation and accreditation, or government program regulations. If there are any revisions, will be announced before the start of the semester, and the revised content, scope of impact, and related supporting measures will be clearly stated to protect the rights and interests of students.