Ming Chuan University Department of Healthcare Information and Management Course Outline for all students entering in 2024-2025

	Required Course	Credits	hour	1st academic year 1st semester class	lab	2nd semester class	lab	2st academic year 1st semester class	lab	2nd semester class	lab	3st academic year 1st semester class	lab	2nd semester class	lab	4st academic year 1st semester class	lab	2nd semester class	lab
Core Required Courses	Chinese Literature: Appreciation and Creative Writing 1	2	2	2																
	Chinese Literature: Appreciation and Creative Writing 2	2	2			2														
	Practical English 1	0	2	1	1															
	Practical English 2	0	2			1	1													
	Practical English 3	0	2					1	1											
	Practical English 4	0	2							1	1									
	English for Business communication 1	2	3									2	1							
	English for Business communication 2	2	3											2	1					
	Practical English for Professional 1	2	3													2	1			
	Practical English for Professional 2	2	3															2	1	
	IT: Introduction of Artificial Intelligence	2	3	2	1															
	IT: Data Processing	2	3			2	1													
	General Education	12	12																	
	Physical Education1-6	0	12	2		2		2		2		2		2						
	Service Learning	0	1																	
	Subtotal	28	53																	
Professional Required Courses	Accounting 1	3	4	3	1															
	Accounting 2	3	4			3	1													
	Economics 1	3	4			3	1													
	Calculus	3	4	3	1															
	Programming Design I	3	5	3	2															
	General Biology I	3	3			3														
	Statistics 1	3	4					3	1											
	Statistics 2	3	4							3	1									
	Healthcare Management	3	3					3												
	Data Structures	3	4					3	1											
	Database Management	3	4							3	1									
	Healthcare Cost Analysis	3	5							3	2									
	Introduction to Medical Science	3	3							3										
	Systematic Analysis and Design	3	5									3	2							
	Hospital Financial Management	3	3									3								
	Health Economics	3	3											3						
	Health data processing and analysis	3	4											3	1					
	Medical Informatics	3	3											3						
	Healthcare Organization Internship 1	3	3													3				
	Healthcare Organization Internship 2	3	3															3		
	Seminar on Healthcare Management 1	2	2													2				
	Seminar on Healthcare Management 2	2	2															2		
	Subtotal	64	79																	
Total Required Course Cridits		92	132																	

	Elective Course	Credits	hour	1st academic year				2st academic year				3st academic year				4st academic year			
				1st semester		2nd semester		1st semester		2nd semester		1st semester		2nd semester		1st semester		2nd semester	
				class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab
Management Program	Organizational Management	3	3					3											
	Service Management	3	3					3											
	Research Methods	3	3							3									
	Health Insurance	3	3							3									
	Human Resource Management	3	3							3									
	Hospital Performance Management	3	3							3									
	Healthcare Marketing	3	3							3									
	Healthcare Quality Management	3	3									3							
	Medical Record and Information Management	3	3									3							
	Hospital Materials Management	3	3											3					
	Patient Safety(E)	3	3											3					
	Introduction to Long-term Care	3	3																
	Medical Planning and Management	3	3																
	Healthcare Marketing (E)	3	3													3			
	Project Management	3	3															3	
	Health Management	3	3															3	
Information Program	Introduction to Computer Networks	3	3					3											
	Medical Multimedia Design	3	3							3									
	Homepage Design	3	3									3							
	Operating Systems	3	3									3							
	Computer Algorithms	3	3											3					
	Medical Information Experiment	3	3											3					
	Medical signal processing implementation	3	4											3	1				
	Management Information Systems	3	3													3			
	Electronic Commerce	3	3													3			
	Health Data Warehousing	3	3													3			
	Information Retrieval	3	3															3	
	Medical image processing	3	3															3	
	Health Data Management	3	3											3					
	Introduction to Deep Learning	3	3							3									
Other Free Electives	Programming Design II	3	5			3	2												
	Economics 2	3	3					3											
	General Chemistry Lab	1	3	1	2														
	Introduction to Psychology	3	3			3													
	Introduction to Computer Science	3	3					3											
	Classification of diseases	3	3											3					
	Public Health	3	3			3													
	Introduction to Biotechnology	2	2							2									
	Medical Regulations and Ethics	3	3									3							
	Introduction to Epidemiology	3	3									3							
	Disease Case Management	3	3											3					
	Medical Microbiology	3	3											3					
	Case Studies in Industrial	2	2													2			
	Healthcare Management and Decision Making	2	2															2	
	Hospital Planning and Design	3	3															3	
	Bioinformatics	3	3															3	
	Electronic Medical Record Management	3	3															3	
	Corporate Internship 1	3	3													3			
	Corporate Internship 2	3	3															3	
	Workplace Practice	3	3															3	
	Physical Education5	2	2													2			
	Physical Education6	2	2															2	
	Nursing	0	4	2		2													
	Military Training for National Defense Education (1)	0	2	2															
	Military Training for National Defense Education (2)	0	2			2													
	Military Training for National Defense Education (3)	0	2					2											
	Military Training for National Defense Education (4)	0	2							2									
Total	**Subtotal Required Course Credits**	92																	
	Subtotal Elective Course Credits	36																	
	total	128																	