

Undergraduate program of Health Administration and Medical Informatics

(For students enrolled in Fall 2015)

Year	Course Name	Credit	Semester I	Semester II	Required/Elective
1	Chinese	4	2	2	Required
1	English Reading and Writing	4	2	2	Required
1	English Listening and Speaking	2	1	1	Required
1	Application of Computer and Information Science	0	0		Required
1	Introduction to University	P/F	0		Required
1	Service Learning	P/F		0	Required
1	Physical Education	0			Required
1	Introduction to Management	3	3		Required
1	Introduction to Public Health	2	2		Required
1	Introduction to Medical Informatics	3	3		Required
1	Introduction toAnatomic Physiology	2		2	Required
1	Introduction to Computer Science	3		3	Required
1	Object-oriented Programming Design	3		3	Required
1	Calculus	2	2	0	Elective
1	General Psychology	2		2	Elective
2	Introduction to Medicine	2	2		Required
2	Organization Behavior	3	3		Required
2	Introduction to Healthcare Delivery System	2	2		Required
2	Principle of Database System	3	3		Required
2	Healthcare Administration	3		3	Required
2	Fundamental of Biostatistics	3		3	Required
2	Human Resource Management	3		3	Required
2	Management Information Systems	3		3	Required
2	Life Planning in Department of Healthcare Administration and Medical Informatics	1	1		Required
2	Service Learning	P/F	0		Required
2	Physical Education	0			Required
2	Economics	3	3		Elective
2	Marketing Management	3	3		Elective
2	Data Structure	3	3		Elective
2	Linear Algebra	3	3		Elective

Year	Course Name	Credit	Semester I	Semester II	Required / Elective
2	Windows Programming	3	3		Elective
2	Probability and Statistics	3	3		Elective
2	Introduction to Accounting	3		3	Elective
2	Hospital Management - Case Study	3		3	Elective
2	Health Administration	2		2	Elective
2	Population and Health Statistics	2		2	Elective
2	Dynamic Web Page and Database Application	3		3	Elective
2	Information Networks	3		3	Elective
2	Network Software Design for Mobile Devices	3		3	Elective
3	Data Mining	3	3		Required
3	Project on Healthcare Administration and Medical Informatics (I)	3	3		Required
3	Medical Information Law	2	2		Required
3	Financial Management	3		3	Required
3	Electronic Medical Records	3		3	Required
3	Medical Quality Management	3		3	Required
3	Project on Healthcare Administration and Medical Informatics (II)	3		3	Required
3	Introduction to Health Insurance	3	3		Elective
3	Operation Research in Healthcare Administration	3	3		Elective
3	Hospital Achievements Management	3	3		Elective
3	Health Policy and Management	3	3		Elective
3	Electronic Commerce	3	3		Elective
3	Expert System	3	3		Elective
3	Information Exchange Standard	3	3		Elective
3	Web Site Installation and	3	3		Elective
3	System Analysis and Design	3	3		Elective
3	Material Management	3	3		Elective
3	Design of Interactive Multimedia	3	3		Elective
3	Entrepreneurial Management : How to Start up a New Company	2	2		Elective

Year	Course Name	Credit	Semester I	Semester II	Required / Elective
3	Programming of Biomedical Sensors	3	3		Elective
3	Administration of Long-Term Care Institutions	3		3	Elective
3	Introduction to Social Innovation and Entrepreneurship	2		2	Elective
3	Medical Image Process	3		3	Elective
3	Health Economics	3		3	Elective
3	Project Management	3		3	Elective
3	Internet Programming	3		3	Elective
3	Artificial Intelligence and	3		3	Elective
3	Principles and Practice of Operating System	3		3	Elective
3	Multimedia System	3		3	Elective
3	Healthcare and Nonprofit Accounting	3		3	Elective
4	Healthcare Administration and Medical Informatics Practice	2	2		Required
4	Career Planning in Department of Healthcare Administration and Medical Informatics	1	1		Required
4	Health Communication	2	2		Elective
4	Enterprise Resource Planning	3	3		Elective
4	Healthcare Data Warehousing	3	3		Elective
4	Open Source Medical Software in Practice	3	3		Elective
4	Mobile Wireless Networks	3	3		Elective
4	Medical Network and Telemedicine	3	3		Elective
4	Internship and Professional Training	2		2	Elective
4	Customer Relation Management	3		3	Elective
4	Case Analysis for e-Health	2		2	Elective
4	Management of Medical Records and Disease Classification	2		2	Elective

Year	Course Name	Credit	Semester I	Semester II	Required / Elective
4	Strategy Management of Healthcare Administration	3		3	Elective
4	Decision Analysis	3		3	Elective
4	Information Security	3		3	Elective

Notice:

1. Students are required to complete the minimum of 132 credits (Required course: 62 credits; elective: 42 credits (27 credits in department of Health Administration and Medical Informatics), general education: 28 credits)
2. Internship and Professional Training: Healthcare Administration and Medical Informatics Practice is required.