



Kashan University of Medical Sciences

The Curriculum of the BSc in Health Information Technology

Semester: 1

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
	physiology				2	-	-	2	-
	anatomy				2	-	-	2	-
	mathematics				2	-	-	2	-
	Physical education I				-	1	-	1	-
	Medical terminology				2	-	-	2	-
	Health Information management I				2	-	-	2	-
	Introduction to Operation systems & application software				1	1	-	2	-
	pre- requisite English				2	-	-	2	-
	General lesson				2	-	-	2	-
	General lesson				3	-	-	3	-
Total Credits of the Semester					18	2	-	20	



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Semester: 2

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
	Health information technology I				2	1	-	3	-
	Introduction to pathogen agents & infectious diseases				2	-	-	2	Physiology & anatomy
	Data structure & computer programming I				1	1	-	2	Introduction to Operation systems & application software
	Special English for HIM(I)				1	1	-	2	-
	Health information management II				2	-	-	2	Health Information management I
	Descriptive biostatistics				2	-	-	2	-
	Introduction to healthcare system structures & programs				2	-	-	2	-
	General English				3	-	-	3	-
	General lesson				2	-	-	2	-
Total Credits of the Semester					17	3	-	20	



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Semester: 3

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
	Health Information Technology II				2	-	-	2	Health Information Technology I
	Data structure & computer programming II				1	1	-	2	Introduction to Operation systems & application software
	Special English for IT(I)				2	-	-	2	General English
	Inferential biostatistics				2	-	-	2	Descriptive Biostatistics
	Human pathophysiology				2	-	-	2	Introduction to Pathogen agents & Infectious diseases
	current disease & procedure Classification Systems I				1/5	0/5	-	2	Medical terminology
	Special English for HIM(II)				1	1	-	2	Special English for HIM(I)
	Data quality and health information systems				2	-	-	2	Health Information management II
	Principles of Management				2	-	-	2	-
	General lesson				2	-	-	2	-
Total Credits of the Semester					17/5	2/5		20	



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Semester: 4

Course Code / Lesson No.	Course Title	Course Type			Credits			Prerequisite	
		Core	Major	Complementary	Theoretical	Practical	Practicum		Total
	Health Information Technology III				2	-	-	2	Health Information Technology II
	Epidemiology				2	-	-	2	-
	Human pathophysiology				2	-	-	2	Introduction to pathogen agents & Infectious diseases
	current disease & procedure classification Systems II				1/5	0/5	-	2	current disease & procedure classification systems I
	Research methods				3	-	-	3	-
	Principles of accounting and health economic				2	-	-	2	mathematics
	Health information resource management				1	-	-	1	-
	Physical education II				-	1	-	1	Physical education I
	Special English for IT(II)				2	-	-	2	Special English for IT(I)
	General lesson				2	-	-	2	-
Total Credits of the Semester					17/5	1/5		19	



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Semester: 5

Course Code / Lesson No.	Course Title	Course Type			Credits			Prerequisite	
		Core	Major	Complementary	Theoretical	Practical	Practicum		Total
	Health Informatics I				2	-	-	2	Health Information Technology III
	Healthcare data analysis & indicators				1/5	0/5	-	2	Mathematics, Descriptive Biostatistics, Inferential biostatistics
	Human pathophysiology				2	-	-	2	Introduction to Pathogen agents & Infectious diseases
	Mortality coding				1	1	-	2	current disease & procedure Classification Systems II
	Research project				1	2	-	3	Research methods
	Professional communication				2	-	-	2	-
	Initial aids				0/5	0/5	-	1	-
	Technology management in Healthcare				2	-	-	2	-
	General lesson				2	-	-	2	-
	General lesson				2	-	-	2	-
Total Credits of the Semester									



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Semester: 6

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
	Health Informatics II				2	-	-	2	Health Informatics 1
	International classification & nomenclature systems				1	1	-	2	Coding and Classification Systems II
	Electronic health record				2	-	-	2	Data quality and health information systems
	Computer Network & information systems security				1	1	-	2	-
	Health Information management in Disaster				1	-	-	1	-
	Pharmacology				2	-	-	2	-
	Insurance & reimbursement systems				2	-	-	2	-
	Health IT service administration				2	-	-	2	-
	General lesson				2	-	-	2	-
	General lesson				2	-	-	2	-
Total Credits of the Semester					17	2	-	19	



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Semester: 7

Course Code / Lesson No.	Course Title	Course Type			Credits			Prerequisite	
		Core	Major	Complementary	Theoretical	Practical	Practicum		Total
	Practicum I						4	4	Total theoretical lessons
	Practicum II						4	4	Total theoretical lessons
Total Credits of the Semester					-	-	8	8	



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Semester: 8

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
	Practicum III				-	-	4	4	Total theoretical lessons
	Practicum IV				-	-	4	4	Total theoretical lessons
Total Credits of the Semester							8	8	