



Kashan University of Medical Sciences

The Curriculum of the Ph.D in Health Information Management

Semester: 1

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
	Design and development of health information systems I				1	1	-	2	-
	Health information sciences				0/5	0/5	-	1	-
	Data structure & computer Programming				3	-	-	3	-
	Management of health information systems				2	-	-	2	-
	Health economics				2	-	-	2	-
	Operational research				3	-	-	3	-
Total Credits of the Semester					11/5	1/5	-	13	



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Semester: 2

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
	Design and development of health information systems II				1	1	-	2	Design and development of health information systems I
	Approach to information quality management and improvement				3	-	-	3	-
	emerging technologies in healthcare				2	-	-	2	-
	Health observatory and monitoring system				2	-	-	2	-
	Electronic health record				3	-	-	3	-
Total Credits of the Semester					11	1	-	12	



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Semester: 3

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
	Data mining & knowledge based systems				2	-	-	2	
	seminar				3	-	-	3	
	Health information Economy				2	-	-	2	Health economics
	Advanced statistical methods & data analysis				1	1	-	2	
	Intelligent methods applied to healthcare information systems				2	1	-	2	
Intelligent methods of information systems health					10	2	-	12	