



KASHAN UNIVERSITY OF MEDICAL SCIENCES
THE PH.D CURRICULUM IN HEALTH INFORMATION MANAGEMENT

SEMESTER: 1

COURSE CODE / LESSON NO.	COURSE TITLE	COURSE TYPE			CREDITS				PREREQUISITE
		CORE	MAJOR	COMPLEMENTARY	THEORETICAL	PRACTICAL	PRACTICUM	TOTAL	
	DATA STRUCTURE & COMPUTER PROGRAMMING				3	-	-	3	-
	SPECIAL ENGLISH				2	-	-	2	-
	ANALYSIS OF MANAGEMENT THEORIES				2	-	-	2	-
	MEDICAL INFORMATION SYSTEMS				.5	.5	-	1	-
	HEALTH ECONOMIC				2	-	-	2	-
	OPERATIONAL RESEARCH				3	-	-	3	-
TOTAL CREDITS OF THE SEMESTER					12.5	.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 I				1	1	-	2	-
	HEALTH INFORMATION ECONOMY				2			2	HEALTH ECONOMICS
	HEALTH OBSERVATORY AND MONITORING SYSTEM				2	-	-	2	-
	ELECTRONIC HEALTH RECORD				3	-	-	3	-
TOTAL CREDITS OF THE SEMESTER					8	1	-	9	

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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	
	ADVANCED STATISTICAL METHODS & DATA ANALYSIS				1	1	-	2	
	DESIGN AND DEVELOPMENT OF HEALTH INFORMATION SYSTEMS II				1	1	-	2	DESIGN AND DEVELOPMENT OF HEALTH INFORMATION SYSTEMS I
INTELLIGENT METHODS OF INFORMATION SYSTEMS HEALTH					7	2	-	9	

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SEMESTER: 4

COURSE CODE / LESSON NO.	COURSE TITLE	COURSE TYPE			CREDITS				PREREQUISITE
		CORE	MAJOR	COMPLEMENTARY	THEORETICAL	PRACTICAL	PRACTICUM	TOTAL	
	APPROACH TO INFORMATION QUALITY MANAGEMENT AND IMPROVEMENT				3	-	-	3	-
	NEW TECHNOLOGIES IN HEALTH INFORMATION MANAGEMENT				2	-	-	2	-
	INTELLIGENT METHODS APPLIED TO HEALTH INFORMATION SYSTEMS				2	1	-	3	-
	HEALTH INFORMATION SYSTEMS MANAGEMENT				2	-	-	2	-
INTELLIGENT METHODS OF INFORMATION SYSTEMS HEALTH					9	1		10	