



Kashan University of Medical Sciences

## The B.Sc. Curriculum of 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	-
	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 HEALTH 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
	INFORMATION TECHNOLOGY SPECIAL ENGLISH (I)				2	-	-	2	GENERAL ENGLISH
	INFERENCEIAL BIostatISTICS				2	-	-	2	DESCRIPTIVE BIostatISTICS
	SPECIAL HUMAN PATHOPHYSIOLOGY(I)				2	-	-	2	INTRODUCTION TO PATHOGEN AGENTS & INFECTIOUS DISEASES
	CURRENT DISEASES CLASSIFICATION SYSTEMS & MEDICAL SYSTEMS				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 BASICS				2	-	-	2	-
	HUMAN PATHOPHYSIOLOGY( II)				2	-	-	2	INTRODUCTION TO PATHOGEN AGENTS & INFECTIOUS DISEASES
	CURRENT DISEASE CLASSIFICATION SYSTEMS & MEDICAL PROCEDURES( II)				1/5	0/5	-	2	CURRENT DISEASE & PROCEDURE CLASSIFICATION SYSTEMS I
	RESEARCH METHOD				3	-	-	3	-
	PRINCIPLES OF ACCOUNTING AND HEALTH ECONOMIC				2	-	-	2	MATHEMATICS
	HEALTH INFORMATION RESOURCES 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
	HEALTH DATA ANALYSIS & INDICATORS				1/5	0/5	-	2	MATHEMATICS, DESCRIPTIVE BIOSTATISTICS, INFERENCE BIOSTATISTICS
	HUMAN PATHOPHYSIOLOGY(III)				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
	PRINCIPLES OF INDIVIDUAL MANAGEMENT IN THE WORKPLACE				2	-	-	2	-
	INITIAL AIDS				0/5	0/5	-	1	-
	TECHNOLOGY MANAGEMENT IN HEALTH FIELD				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
	SPECIAL CLASSIFICATION SYSTEMS & INTERNATIONAL NOMENCLATURE				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	
	INTERSHIP IN THE FIELD I						4	4	TOTAL THEORETICAL LESSONS
	INTERSHIP IN THE FIELD 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	
	INTERSHIP IN THE FIELD III				-	-	4	4	TOTAL THEORETICAL LESSONS
	INTERSHIP IN THE FIELD IV				-	-	4	4	TOTAL THEORETICAL LESSONS
TOTAL CREDITS OF THE SEMESTER							8	8	