



Kashan University of Medical Sciences
The Curriculum of the BSc in Surgical Technology

Semester: 1

CourseCode / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
01	Anatomy 1	*			1.5	0.5		2	
02	Physiology 1	*			2			2	
03	Biochemistry	*			1			1	
04	English Language			*	2			2	
05	Fundamental of Clinical Skills		*		0.5	0.5		1	
06	General Psychiatry	*			2			2	
07	Health in Operating Room	*			2			2	
08	Body Training 1	*				1		1	
09	Islamic Thought 1	*			2			2	
10	The Principals of Sterilization and Disinfection	*			1			1	
11	Surgical Informatics	*			0.5	0.5		1	
12	Introduction to Surgical Technology		*		1			1	
Total Credits of the Semester								18	



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Semester: 2

CourseCode / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
13	Anatomy 2	*			1.5	0.5		2	01
14	Physiology 2	*			1			1	02
15	Microbiology and Parasitology	*			1.5	0.5		2	
16	Clinical Skills Practical Course		*				2	2	05
17	Attitudes in Operating Room		*				1	1	12,19
18	Mental Health in Operating Room		*		1			1	06
19	Surgical Devices	*			2			2	
20	Medical Terminology	*			2			2	12
21	General English language	*			3			3	
22	Islamic Thought 2	*			2			2	
23	Nutrition in Surgery		*		1			1	03
Total Credits of the Semester								19	



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Semester: 3

CourseCode / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
24	Immunology	*			0.5	0.5		1	14
25	Fundamentals of Circular and Scrub Technician		*		2	1		3	
26	Pharmacology	*			2			2	02,03,14,15
27	English for Surgical Technologist		*		2			2	20,21
28	Fundamentals of Circular Technician Clinical Course		*				2	2	12,17,19,25
29	Pathology and Histology	*			1.5	0.5		2	14
30	Medical Physic, Electricity and Robotic in Operating Room	*			2			2	
31	Hematology and Transfusion	*			2			2	14
32	CSR Clinical Course		*				1	1	10
33	Islamic Ethic	*			2			2	
Total Credits of the Semester								19	



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Semester: 4

CourseCode / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
34	Gynecology and Urology Surgery		*		2			2	02,13,29
35	Operating Room Technique Clinical Course 1			*			2	2	28,38
36	Internal Diseases and its cares			*	4			4	13,14
37	Gastric and Endocrine Surgery			*	3			3	13,14,29
38	The Fundamentals of Scrub Technician Clinical Course			*			2	2	28
39	Islamic Literatures	*			2			2	
40	Intensive Care and Resuscitation		*		1.5	0.5		2	42
41	Body Training 2	*				1		1	08
42	Anesthesiology		*		1.5	0.5		2	
43	Iran and Islam Culture and Civilization	*			2			2	
Total Credits of the Semester								22	



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Semester: 5

CourseCode / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Majo r	Comple mentary	Theoretical	Practical	Practicum	Total	
44	Biostatistics	*			1			1	
45	Research Methodology	*			1.5	0.5		2	
46	Thoracic and Cardiovascular Surgery		*		3			3	01,02,29
47	Orthopedic Surgical Technology		*		2			2	01,29
48	Management in Operating Room		*		2			2	
49	Professional Attitude in Operating Room		*		1			1	
50	Principle of Caring in Recovery Room		*		1			1	40,42
51	Surgical Technology Clinical Course 2		*			2		2	28,38
52	Resuscitation Clinical Course		*				1	1	40
53	Medical Emergencies		*		1			1	
54	Orthopedic Surgical Technology		*		2			2	01,29
55	History of Islam		*		2			2	
Total Credits of the Semester								20	



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Semester: 6

CourseCode / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
56	Farsi Literature	*			3			3	
57	ENT Surgery		*		2			2	01,02,29
58	Pediatric Surgery		*		1			1	02,13,29
59	Transplantation and Reconstructive Surgery		*		2			2	13,14,29
60	Management in Operating Room Clinical Course		*				2	2	48,64
61	Caring in Recovery Room Clinical Course		*				2	2	50
62	Family Knowledge	*			2			2	-
63	Islamic Revolution	*			2			2	-
64	Emergency Surgery Clinical Course		*				1	1	35,51,52,53,65
65	Surgical Technology in Emergencies and Accidents		*		1			1	13,14,29
66	Radiology		*		1			1	01,13
67	Ophthalmic Surgery		*		1			1	02,13,29



Total Credits of the Semester				20	
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Semester: 7& 8

CourseCode / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
68	Surgical Technologies Internship		*				16	16	All of Theoretical , Practical and Practicum of Courses
Total Credits of the Semester							16	16	