



Course Description Guide in Discontinuous Undergraduate Program in Surgical Technology

First Semester

No	Title	No of credit	Course hours		Prepositions
			Theoretical	Practical	
1	Physical education (2)	1		1	
2	Life skills	1	0.5	0.5	
3	Advanced anatomy	2	1.5	0.5	
4	advanced physiology	2	2		
5	Immunology	2	1.5	0.5	Advanced physiology
6	Information technology in operating room	1	0.5	0.5	
7	Academic English	2	2		
8	Mental health in operating room	2	2		
9	Orientation to surgical technology	1	1		
10	Orientation to operating room protocols and equipment	2	2		
11	Surgical ethics	1	1		
12	Thematic Commentary of the Quran	2	2		
13	Theoretical Foundations of Islamic Courses (2)	2	2		
Total		22 credits			



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Second semester

No	Title	No of credit	Course hours		Prepositions
			Theoretical	Practical	
1	Surgical technology in Gastro-intestinal (GI) and endocrine surgery	3	3		Anatomy (2), Physiology (2), Pathology and histology
2	Surgical technology in Gynecology and Urology	2	2		Anatomy (2), Physiology (1), Pathology and histology
3	Surgical technology in eye, ENT & face and mandibular surgery	2	2		Anatomy (1), Physiology (1), Pathology and histology
4	Principles of advanced Recovery Care	2	2		
5	Management in Operating Room	2	2		
6	Medical emergencies	1	1		
7	Advanced operating room internship	3		3	Orientation to surgical technology and Orientation to operating room protocols and equipment
8	Islamic revolution	2	2		
9	Islamic History and Civilization in Iran	2	2		
Total		19 credits			



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Third semester

No	Title	No of credit	Course hours		Prepositions
			Theoretical	Practical	
1	Biostatistics	1	1		
2	Research method in surgical technology	1	1		
3	Surgical technology in neurology and Orthopedic surgery	3	3		Advanced physiology and advanced anatomy
4	Surgical technology in pediatric surgery	1	1		Advanced physiology and advanced anatomy
5	Surgical technology in dermatology, Burns, and skin transplant surgery	1	1		Advanced physiology and advanced anatomy
6	Surgical technology in cardiopulmonary and vessels surgery	2	2		Advanced physiology and advanced anatomy
7	Operating room emergencies (practicum)	2		2	Orientation to surgical technology and Orientation to operating room protocols and equipment
8	Principles of advanced Recovery Care (Practicum)	2		2	Principles of advanced Recovery Care
9	Management in Operating Room (practicum)	1		1	Management in Operating Room
10	Islamic History and Civilization	2	2		
11	Population and family planning	2	2		
Total			18 credits		



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Forth Semester

No	Title	No of credit	Course hours		Prepositions
			Theoretical	Practical	
1	Internship	12		12	
Total		12 credits			