



Zahedan University of Medical Sciences (ZAUMS)
Faculty of Nursing and Midwifery Health
The Curriculum Plan for the Bachelor's in surgical technology

Semester: 1

	Lesson number	Name of the course	Theory	practical	Internship	Prerequisite
1	۱۱۰۰۱۰	Pre-university language	2			-
2	۱۷۰۰۰۱	Physiology (1)	2	0.5		-
3	۱۷۰۰۰۲	Anatomy (1) (theory)	1/5			-
4	۱۷۰۰۰۳	Anatomy(1) (practical)	-	0/5		-
5	۱۷۰۰۸۵	Biochemistry	1			-
6	۱۷۰۰۸۶	Introduction to operating room technology	1			-
7	۱۷۰۰۸۷	principles and techniques of clinical skills (theoretical and practical)	0/5	0/5		-
8	۱۷۰۰۲۳	General Psychology	2			-
9	۱۷۰۰۹۳	Principles and techniques of circular and scrub operation (theory)	2			-
10	۱۷۰۰۹۴	Principles and techniques of circular and scrub operation	-	1		-



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11	۱۷۰۰۲۶	Principles of sterilization and disinfection in the operating room	1			-
12	۱۰۰۱	Islamic thought (1)	2			-
13	۱۷۰۰۰۹	Getting to know the tools and equipment of the operating room	2			-
Total			17	2	-	A total of 19 credits



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Semester: 2

	Lesson number	Name of the course	Theory	practical	Internship	Prerequisite
1	۱۷۰۰۱۵	Physiology 2	۱		-	Physiology 1
2	۱۷۰۰۱۶	Anatomy (2) (theory)	۱/۵		-	Anatomy 1
3	۱۷۰۰۱۷	Anatomy(2)(practical)		۰/۵		
4	۱۷۰۰۱۸	Vital statistics	۱	-	-	
5	۱۰۰۸	Family knowledge	۲	-	-	
6	۱۷۰۰۹۰	Medical terms	۲			An introduction to operating room technology
7	۱۷۰۰۹۱	parasitology (theory)	۰/۵		-	
8	۱۷۰۰۹۲	parasitology (practical)		۰/۲۵		
9	۱۷۰۰۹۵	bacteriology (theory)	۱			
10	۱۷۰۰۹۶	bacteriology (practical)		۰/۲۵		
11	۱۷۰۰۴۰	Behavioral training in the operating room	-	-	۱	Introduction to operating room technology- Getting to know the tools and equipment of the operating room
12	۱۷۰۰۴۶	Professional ethics in the operating room	۱	-	-	
13	۱۷۰۰۲۰	Information technology in the operating room (theory)	۰/۵		-	



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14	۱۷۰۰۲۱	Information technology in the operating room (practical)		۰/۵		
15	۱۷۰۱۰۷	Anesthesia and its care (theory)	۱/۵			
16	۱۷۰۱۰۸	Anesthesia and its care (practical)		۰/۵		
17	۱۷۰۱۰۳	Internship in the central sterile department			۱	Principles of sterilization and disinfection in the operating room
18	۱۰۱۰	General Persian	۳	-	-	
	Total		15	2	2	A total of 19 credits



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Semester: 3

	Lesson number	Name of the course	Theory	practical	Internship	Prerequisite
1	۱۷۰۰۳۲	pathology (theory)	۱		-	Physiology 2
2	۱۷۰۰۹۸	histology (theory)	۰/۵			Physiology 2
3	۱۷۰۰۹۹	histology (practical)		۰/۵	-	
4	۱۷۰۱۱۵	Methods of cardiopulmonary resuscitation and principles of its special care	۱/۵	۰/۵	-	Anesthesia
5	۱۷۰۰۹۷	Immunology (theory)	۰/۵			Physiology 2
6	۱۷۰۱۰۴	Immunology (practical)		۰/۵	-	
7	۱۷۰۱۰۰	Pharmacology	۲	-	-	Physiology (1 and 2), bacteriology and parasitology, biochemistry
8	۱۷۰۱۱۰	Familiarity with internal diseases	۴	-	-	Anatomy2-Physiology 2
9	۱۷۰۱۰۳	Clinical skills training	-	-	۲	Principles and techniques of clinical skills



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10	۱۷۰۱۰۲	Internship of the principles and techniques of mobile operation	-	-	۲	Behavior training in the operating room - Introduction to operating room technology - Getting to know the equipment - Principles of mobile and scrub performance techniques
11	۱۱۱۳۹۳	General language	۳	-		Pre-university language
12	۱۰۰۲	thought (2)	۲			Thought 1
	Total		14/5	1/5	4	A total of 20 credits



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Semester: 4

	Lesson number	Name of the course	Theory	practical	Internship	Prerequisite
1	۱۰۰۷	Islamic revolution	۲	-	-	-
2	۱۷۰۰۲۵	Hygiene in the operating room	۲	-	-	-
3	۱۷۰۰۴۴	Surgical technology in digestive and endocrine surgeries	۳	-	-	Anatomy 2- Physiology 2- Pathology- Histology
4	۱۷۰۰۴۵	Surgical technology in gynecology, urology and genitourinary surgeries	۲	-	-	Anatomy 2- Physiology 2- Pathology- Histology
5	۱۷۰۰۴۲	Surgical technology in pediatric and neonatal surgeries	۱	-	-	Anatomy 2- Physiology 2- Pathology- Histology



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6	۱۷۰۱۱۱	Internship of the principles and techniques of scrub person	-	-	۲	Internship of the principles and techniques of mobile operation
7	۱۷۰۰۸۸	Research method in the operating room (theory)	۱/۵			-
8	۱۷۰۱۳۲	research method in the operating room (practical)		۰/۵		Cardiopulmonary resuscitation methods
9	۱۷۰۰۵۸	Internship in cardiopulmonary resuscitation methods	-	-	۱	-
10	۱۷۰۰۵۶	Medical emergencies	۱			Anatomy 1,2
11	۱۷۰۱۰۶	Getting to know the basics of radiology images in the operating room	۱			-



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12	۱۷۰۰۵۵	Management in the operating room	۲	-	-	-
13	۱۷۰۱۰۱	mental health	۱	-	-	General psychology
	Total		16/5	0/5	3	A total of 20 credits



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Semester: 5

	Lesson number	Name of the course	Theory	practical	Internship	Prerequisite
1	۱۷۰۱۱۲	Surgical technology in neurosurgery	۲	-	-	Anatomy 2- Physiology 2- Pathology- Histology
2	۱۷۰۱۱۳	Surgical technology in orthopedic surgeries	۲	-	-	Anatomy 1- Pathology and texture
3	۱۷۰۰۶۴	Surgical technology in ENT and maxillofacial surgeries	۲	-	-	Anatomy 1- Physiology 1- Pathology- Histology
4	۱۷۰۱۱۴	Principles of care in the recovery room	۱	-	-	Method of cardiac and pulmonary resuscitation, anesthesia



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5	۱۷۰۱۰۹	Operating room technique internship 1	-	-	۲	Internship of the principles and techniques and performance of circuler and scrub
6	۱۷۰۰۲۲	Medical physics and electricity and its application in the operating room	۲	-	-	
7	۱۷۰۰۳۳	Hematology and blood transfusion	۲	-	-	Physiology 2
8	۱۷۰۱۱۶	Internship in operating room technique 2	-	-	۲	Internship of the principles and techniques and performance of mobile and scrub
9	۱۰۰۳	Islamic ethics	۲	-	-	
10	۱۰۰۶	History of civilization	۲	-	-	
11	۱۱۱۲۴	physical education (1)		۱		
Total			15	1	4	A total of 20 credits



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Semester: 6

	Lesson number	Name of the course	Theory	practical	Internship	Prerequisite
1	۱۷۰۱۲۰	Surgical technology in cardiovascular and respiratory surgeries	۳	-	-	Physiology 1- Pathology- Histology-Anatomy1
2	۱۷۰۱۲۱	Surgical technology in skin, burn and transplant surgeries	۲	-	-	Physiology 2- Pathology- Histology-Anatomy2
3	۱۷۰۱۱۸	Eye surgery technology	۱			Physiology 1- Pathology- Histology-Anatomy2
4	۱۷۰۰۳۶	Specialized language	۲	-	-	General language - medical terms
5	۱۷۰۰۶۵	Internship in the principles of care	-	-	۲	Principles of care in the recovery room



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		in the recovery room				
6	۱۷۰۰۶۷	Internship in the emergency room	-	-	۱	Emergencies - Internship in operating room technique (1 and 2) - Internship in cardiac and pulmonary resuscitation methods - Operating room technology in emergency
7	۱۷۰۱۱۷	Management internship in the operating room	-	-	۲	Management in the operating room Internship in the emergency room
8	۱۷۰۱۱۹	Trauma and crises emergency operating room technology	۱			Physiology 2- Pathology- Histology-Anatomy2
9	۱۷۰۱۰۵	Nutrition in surgery	۱	-	-	
10	۱۰۰۴	Analytical history	۲	-	-	
11	۱۰۰۵	Thematic interpretation of the Qur'an	۲	-	-	
12	۱۱۳۰۷۵	physical education (2)	-	۱	-	physical education (1)



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	Total	14	1	5	A total of 20 credits
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Semester: 7

	Lesson number	Name of the course	Theory	practical	Internship	Prerequisite
1	۱۷۰.۰۷۱	Internship in the field of orthopedics	-	-	۲	
2	۱۷۰.۰۷۲	Internship in the field of nerves	-	-	۲	
3	۱۷۰.۰۷۶	Internship in the field of digestion	-	-	۲	
4	۱۷۰.۱۲۲	Internship in the field of ENT	-	-	۱	
5	۱۷۰.۱۲۳	Internship in pediatrics	-	-	۱	
Total			-	-	8	A total of 8 credits



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Semester: 8

	Lesson number	Name of the course	Theory	practical	Internship	Prerequisite
1	۱۷۰۱۲۴	Internship in the field of gynecology	-	-	۱	
2	۱۷۰۱۲۵	Internship in the field of urology (administrative- genital)	-	-	۱	
3	۱۷۰۱۲۶	Internship in the field of cardiology	-	-	۱	
4	۱۷۰۱۲۷	Internship in the eye field	-	-	۱	
5	۱۷۰۱۲۸	Internship in the field of thorax	-	-	۱	
6	۱۷۰۱۲۹	Internship in the field of maxillofacial and ENT	-	-	۱	
7	۱۷۰۱۳۰	Internship in the field of plastics	-	-	۱	
8	۱۷۰۱۳۱	Internship in the emergency room (research)	-	-	۱	
	Total				8	A total of 8 credits



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