

## In the Name of God

### Islamic Republic of Iran Ministry of Health and Medical Education Deputy for Education

## Operating Room Master of Science (MSc)

#### Total Course Credits

- Core: 24
- Non-core (Electives): 4
- Thesis: 4

#### Program Description

This field is a branch of medical sciences. The graduates in this field of study are able to use operating room tools and equipment during surgery. They are also able to provide optimal care in *perioperation* period.

Nowadays surgery and surgical equipment are highly developed. So a successful surgery needs a professional team who work together cooperatively. In order to achieve this we need surgical technicians who are well trained in this specialized field and acquire special competencies to aid surgeons and help patients.

The main aim of the course is training committed, knowledgeable and competent people who are sensitive to patients' life at operating room.

#### Admission Requirements

- Having a bachelor's degree (MSc) in Operating Room
- Meeting admission criteria based on regulations of universities
- Being eligible for entering the program

#### Expected Competencies at the End of the Program

##### General Competencies\*

##### Specific Competencies and Skills

At the end of the program learners will be competent in the following skills:

- Managing a safe transportation of the patients
- Looking after the patients in *perioperation* period
- Using the general and specialized equipment at operating room
- Providing and keeping a healthy physical and psychological environment at operating room
- Aiding the surgeon

#### Educational Strategies, Methods and Techniques\*

#### Student Assessment (Types and Methods)

- Formative (Quizzes and Midterm Exam)
- Summative (Final Exam)
- Oral and written exams, observation, clinical competence assessments
- (OSCE, OSLE, OSFE, DOPS, 360 degree evaluation competency)
- Portfolio assessment: Log book, test results, reports, articles, certificates, promotion, etc.

## Ethical Considerations\*

\*Note: The related document(s) can be found at <http://hcmeq.behdasht.gov.ir/>.

### Tables of the Courses

**Table 1. Compensatory Course**

Code of the Course	Title of the Course	Number of Credits				Teaching Hours				Prerequisite or Concurrent Courses
		Theoretical	Practical	Novitiat e	Total	Theoretic al	Practic al	Novitiat e	Total	
01	Medical Information Systems	0.5	0.5	-	1	9	17	-	26	-
02	Principles and Performance of Scrub and Circulate Person	2	-	2	4	34	-	102	136	-
03	Familiarity with Tools and Equipment in OR	1	-	1	2	17	-	51	68	-
<b>Total</b>		<b>3.5</b>	<b>0.5</b>	<b>3</b>	<b>7</b>	<b>60</b>	<b>17</b>	<b>153</b>	<b>230</b>	

**Table 2. Core Courses**

Code of the Course	Title of the Course	Number of Credits				Teaching Hours				Prerequisite or Concurrent Courses
		Theoretical	Practical	Novitiate	Total	Theoretical	Practical	Novitiate	Total	
04	Advanced Assessment of Body Systems	1	-	1	2	17	-	51	68	-
05	Statistics and Research Methods	2.5	0.5	-	3	43	17	-	60	-
06	Familiarity with Specialized Surgical Methods 1	2	-	1	3	34	-	51	85	04
07	Familiarity with Specialized Surgical Methods 2	2	-	1	73	34	-	51	85	04
08	Familiarity with Specialized Surgical Methods 3	2	-	1	3	34	-	51	85	04
09	Familiarity with Specialized Surgical Methods 4	2	-	1	3	34	-	51	85	04
10	Principles and Methods of Teaching	1	1	-	2	17	34	-	51	-
11	Familiarity with Advanced Tools and Equipment on OR	0.5	-	0.5	1	9	-	26	35	-
12	Management in OR	1	-	1	2	17	-	51	68	-
13	Seminar of OR Issues	0.5	0.5	-	1	9	17	-	26	05
14	Anesthesia	-	-	1	1	-	-	51	51	-
	<b>Total</b>	<b>14.5</b>	<b>2</b>	<b>7.5</b>	<b>24</b>	<b>248</b>	<b>68</b>	<b>383</b>	<b>699</b>	


**Table 3. Non-Core Courses (Electives)**

Code of the Course	Title of the Course	Number of Credits				Teaching Hours				Prerequisite or Concurrent Courses
		Theoretical	Practical	Novitiate	Total	Theoretical	Practical	Novitiate	Total	
15	Advanced Novitiate in Cardio-Thoracic OR	-	-	4	4	-	-	204	204	07
16	Advanced Novitiate in Pediatrics, Gynecology and General OR	-	-	4	4	-	-	204	204	06
17	Advanced Novitiate in Orthopedic OR	-	-	4	4	-	-	204	204	08
18	Advanced Novitiate in Neurosurgical OR	-	-	4	4	-	-	204	204	08
19	Advanced Novitiate in Ophthalmic OR	-	-	4	4	-	-	204	204	09
20	Advanced Novitiate in ENT OR	-	-	4	4	-	-	204	204	09
21	Advanced Novitiate in Transplantation OR	-	-	4	4	-	-	204	204	08
22	Advanced Novitiate in Plastic & Reconstructive OR	-	-	4	4	-	-	204	204	09
23	Advanced Novitiate in Face & Jaw OR	-	-	4	4	-	-	204	204	09
	<b>Total</b>			<b>36</b>	<b>36</b>			<b>1836</b>	<b>1836</b>	

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