

Teaching topic: Introduction to surgical technology in the operating room. Teaching duration: 90 minutes per session

Prerequisites: None.

Venue: Faculty of Nursing and Midwifery

Target group: undergraduate students of the operating room, semester 1 degree: bachelor

Number of units: one theoretical unit.

Unit type: theoretical

Lecturer: Mahbobeh Dostkami

General purpose:

General purpose: During this course, students will learn about the professional and functional concepts of the operating room expert - history and professional evolution - their professional position in society - professional and social relations - the principles of setting, recording and recording information and consent - the principles of transferring and changing the patient's condition - compliance

Conscientiousness with an emphasis on legal and ethical issues around the work environment - knowing the physical aspects and managing the risk caused by the risks of the work environment.

Specific goals:

The student should be able to:

1. Tell the complete history of the evolution of surgery and surgical technologist.
2. Describe the classification of different types of surgeries from different dimensions
3. Explain and describe the professional profession of the operating room along with the responsibilities, needs, and qualifications of people in this field.
4. List the members of the surgical team based on the classification of the two terms scrub and circular and the roles of each member.
5. List associations and global organizations related to the job of an operating room expert.
6. Define communication and explain communication skills.
7. Describe the physical conditions of the work environment and operating room.
8. To discuss verbal conscience in all practical, communicative and environmental fields.
9. Explain the concept and legal reason for setting up informed consent.
10. Discuss the legal and operational importance of information recording.
11. Describe the importance and process of completing the admission form and history.
12. Explain the principles and methods of safe patient transfer in different situations.
13. To explain the methods and principles of safe transfer and positioning of the patient by using additional tools and equipment of the surgical bed. (types of surgical positions).
14. Name the dangers in operating rooms and get familiar with the risk measures

Content and order of presentation:

teaching method	Executives	Titles	date	meeting
Lectures, questions and answers, slide shows and assignments	Mahbobeh Dostkami	Familiarity with history and related terms	Wednesday 1.5-3.5	1
Lectures, questions and answers, slide shows and assignments	Mahbobeh Dostkami	Getting to know the working conditions and characteristics of the surgical technologist	Wednesday 1.5-3.5	2
Lectures, questions and answers, slide shows and assignments	Mahbobeh Dostkami	Familiarity with the profession and characteristics of a professional person	Wednesday 1.5-3.5	3
Lectures, questions and answers, slide shows and assignments	Mahbobeh Dostkami	Discuss communication and familiarity with career development	Wednesday 1.5-3.5	4
Lectures, questions and answers, slide shows and assignments	Mahbobeh Dostkami	Knowing the physical aspects of the operating room environment	Wednesday 1.5-3.5	5
Lectures, questions and	Mahbobeh Dostkami	Getting to know the process of admitting the patient to the	Wednesday 1.5-3.5	6

answers, slide shows and assignments		operating room - getting to know the pre-operative routine		
Lectures, questions and answers, slide shows and assignments	Mahbobeh Dostkami	Registering and recording information and setting up a consent form - professional conscience	Wednesday 1.5-3.5	7
Lectures, questions and answers, slide shows and assignments	Mahbobeh Dostkami	Getting to know how to transfer the patient to the operating room, getting to know how to position the patient Familiarity with the risks in the operating room and their management	Wednesday 1.5-3.5	8

Duties and assignments of the student:

1. Attending class on time.
2. Active participation in class discussions.
3. Presentation of assigned assignments with the opinion of the relevant professor of the course up to two marks

Student evaluation method:

Doing and presenting assignments (articles, conferences, etc.) 10%

midterm exam 10%

Final exam 70%

Study sources:

- 1-Fateme Qardashi. An introduction to surgical technology. Tehran. Salami: Jameeh Nagar, 2014
- 2- Masheksaran Shahin. Principles of work in operating room and recovery room. Tehran 2014
- 3- Lotfi Mozghan. Ittar Samad. Comprehensive guide to operating room nursing. Tehran. Nesher Salmi 2013
- 4- Majidi Seyed Ali, clinical skills of working in the operating room, Beshari Publications 2014
- operative room techniques. Mosbey. 2004
- kohn & Berry

5-Sadati Leila, Golchini Ehsan. An introduction to surgical technology. Jamia Nagar Publishing House 2019. Fatemeh Qardashi. An introduction to surgical technology. Salemi Publishing House, Jamia Nagar 2019.

6- Nancy Marie, principles of working in the operating room (the first volume of the working techniques in the operating room of Barry and Cohen) translated by Sadati Leila, Golchini Ehsan. Publications 2 Jamia Nagar 2012. Fatemeh Qardashi, Akbarzadeh Roya.

7- Comprehensive guide to surgical instruments and sets. Jamia Nagar Publications 2019. Sadati Leila, Golchini Ehsan. Familiarity with operating room equipment (2nd edition), Jame Nagar Publications, Tehran, 2012.