In the name of God



Iran University of Medical Sciences

Faculty of Nursing & Midwifery (Course plan)

International campus

Semester (2) 2026-2027

Course Title: **The role of the nurse in passive defense**

Course of Credits: 0/5 (theoretical)

Department: medical- surgical nursing

Student level: Master of Science

Course & class presentation site: Virtual class

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Lesson Description:

In this course, learners will be introduced to the concepts and examples of passive defense and the role of nurses in it, and will rely on their learning to plan and train in the form of one of the nursing models for the prevention, care, treatment, and rehabilitation of victims of these disasters and their families.

General purpose /Axis of Capability:

Familiarizing students with the concepts and examples of passive defense and its consequences.

Specific goals/sub-themes of each capability:

- Students are introduced to the definition of passive defense
- Students are introduced to the necessity of passive defense
- Students are introduced to the goals of passive defense
- Students are introduced to the basics of passive defense
- Students are introduced to the types of passive defense
- Students are introduced to the position of passive defense in the health system

•Students are introduced to the position of nursing in passive defense in the health system

•Nurses are introduced to the basics of biological, chemical, nuclear, radiological and explosive (CBRNE) incidents

• Students are introduced to decontamination method

After completing this lesson, the learner is expected to:

Cognitive area:

1- Be able to define passive defense.

2- Be able to name several applications of passive defense in the health system.

3- Be able to explain the role and duties of nurses in passive defense in the health system.

4- Be able to describe the role of nurses in dealing with CBRNE incident casualties.

5- Be able to describe different decontamination methods.

Emotional domain:

1- Pay attention to the lesson and listen carefully during teaching.

2-Participate in the discussions with motivation

3- Answer questions about the topic with enthusiasm.

Psychomotor domain:

Participates in class question and answer sessions.

Educational approach: Virtual Approach

Teaching-learning methods with regard to the chosen educational approach:

- ✓ Flipped classroom
- ✓ Digital game-based learning
- ✓ Interactive electronic content-based learning
- ✓ Problem-based learning (PBL)
- ✓ Guided discovery learning

Learning assist tools:

PowerPoint slides, blackboard, video, and photos

Duties and expectations from the student:

1- Attend class on time.

2- Participate actively in class discussions and conversations.

GUIDELINES OF COURSE CONTENT:

Session	Subject/session
1	Definition of defense, types of defense, definition of passive defense, emergence of passive defense, necessity of passive defense, goals of passive defense, basics of passive defense, types of passive defense, passive defense in some countries
2	Familiarity with microbal agents and ways to deal with them
3	Familiarity with chemical agents and ways to deal with them
4	Familiarity with radiation and nuclear pollutions and ways to deal with them, Cyber defense and the nurse's role in it

Final exam:

At the end of the semester, all taught items will be examined.

Examination methods:

Exams will be planned based on the type of course and will be a combination of descriptive, short answer, and multiple choice exams, according to the opinion of the professors in the final exam

Evaluation method:

No	Evaluation subject	score
1	Active class presence	10%
2	Final Exam	90%
	Total	**100%**

References:

1-Veenema G, Disaster Nursing and Emergency Preparedness, 4th Edition For Chemical, Biological, and Radiological Terrorism, and Other Hazards. 2018

2-Clinical Epidemiology and Control of Diseases related to Bioterrorism. Hatami Hossien

3- A. Chen K.K. ; (1993) ; Amyl nitrite and cyanide poisoning " JAMA

4-Parizadi, T., H. Hosseini Amini, 2010. Evaluation and analysis of passive defense in Saghez city by an analytical approach. Civil management journal, 26: 191-206.

5-Hosseini Amini, H., S. Asadi, M. Bornafar, 2010. Evaluation of Langrood city for planning for passive defense planning, Tehran, Iranian geographers association, pp: 129-149.

6-Iran national rules of building office, 2013. Passive defense, 6th edition, Tehran: Toseye Iran publication.

Good luck