

Theoretical and practical course plan form - Ilam University of Medical Sciences

Introducing active and passive hedging lessons

The first semester of the second academic year 2020-2021

School: Health Department: Public Health

\* Course name and number: active and passive immunization

\* Field and degree: Continuing bachelor's degree in public health

\* Day and time: Tuesday 12-10

\* Venue: Virtual

\* Name of the person in charge of the course (course instructor): Dr. Mohsen Jalilian

Prerequisite courses: No

\* Office Address: School of Health, Department of Public Health

\* Email Address: [jalilian91@yahoo.com](mailto:jalilian91@yahoo.com)

### **General purpose of the lesson:**

Familiarity with the immune system and how to protect people against diseases

• **Behavioral goals** (behavioral goals have an audience, behavioral verb, degree and criteria and conditions of performance)

Upon completion of the course, the student will be able to:

- 1- Explain how the immune system, properties and traits of different antigens of the body correctly and concisely in a maximum time of 10 minutes.
- 2- Explain the types of immunity and immunization according to the teacher's explanations and in the presence of other learners briefly and in a maximum duration of 5 minutes.
- 3- Briefly explain the immune responses with emphasis on immunization against infectious diseases in the presence of other learners and in a maximum duration of 5 minutes.
- 4- Classify vaccines and their types (live attenuated, killed and surface antigens) in a maximum time of 7 minutes and correctly.
- 5- Properly explain the method of vaccination, injection site, amount of injection, side effects and prohibitions of vaccines according to the national immunization program.
- 6- Briefly explain the national immunization program for children from birth to 6 years old in the presence of other learners and in a maximum duration of 5 minutes.
- 7- Briefly explain the national vaccination program for special groups (children with a history of delayed vaccination, pregnant women and high-risk groups) in the presence of other learners and in a maximum time of 5 minutes.

8- Explain the cold chain and the conditions of transportation and storage of vaccines correctly and concisely in a maximum time of 10 minutes.

• **Student duties** (student homework during the semester):

-Actively participate in classroom meetings

-Review the contents of the previous session and prepare for written or oral evaluation

• **Main sources** (by observing the principles of source writing and giving addresses for their preparation, including library, bookstore, internet, .....)

- Comprehensive book of public health, Dr. Hossein Hatami et al. Volume Three Chapter Ten. last edition

- National immunization program. Print 2015

- Cold chain instructions, Infectious Disease Management Center, Ministry of Health, Treatment and Medical Education

• **Teaching methods and teaching aids used:**

Classes will be presented by the teacher in the form of lectures, group discussions and questions and answers.

• **Methods and time of assessment and evaluation of the student and the bar related to each evaluation:**

Method	Score	Date	Time
Active attendance at class	1	During semester	
Oral exam and quizzes	2	During semester	
Written exam at the end of the semester	17	End semester	

**Lesson rules and expectations from students**

1- Attending the class on time and based on the set time

2- Observance of training and disciplinary regulations

3- Studying the contents of the previous session and preparing to attend the class

4- According to the educational regulations, unjustified absence in the final exam of the semester as a score of zero and justified absence will cause the removal of that course.

**Schedule of presenting the active and passive immunization curriculum for the second semester of the 2020-2021 academic year**

Session	Time	Topic	Lecturer	Necessary preparation of students before the start of the class
1	10-12	-Provide course and lesson plans Generalities and how the immune system works, properties and traits of different antigens of the body	Dr. Jalilian	
2		Types of immunity and immunity		Evaluate students and review the contents of the previous session
3		Immune responses with emphasis on immunization against infectious diseases		
4		Definition of vaccines and their types (live attenuated, killed and surface antigens)		
5		How to get vaccinated, injection site, amount of injection, side effects and contraindications of vaccines		
6		National immunization program for children from birth to 6 years old		
7		National vaccination program for specific groups (children with a history of delayed vaccination, pregnant women and high-risk groups)		
8		Cold chain and conditions of transportation and storage of vaccines		