



Course description

This academic program description provides a necessary summary of the most important characteristics of the program and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available opportunities, and is accompanied by a description of each course within the program.

Course name: Epidemiology. Course stage - fourth year / first semester.

Credit Hours 2 Course Calendar: Weekly theoretical (2) hours.

Teacher name: Asst.L Hussam Yousef: Master in nursing

General objectives

- **The course aims to present basic concepts about epidemiology and methods of measuring and analyzing health phenomena in society.**
- **The course addresses topics such as types of epidemiological studies, the importance of collecting and analyzing data, methods for measuring the size and distribution of diseases, and factors affecting the health of a population.**
- **The course includes applied lessons on designing epidemiological studies and using statistical methods in analyzing data.**
- **The course allows students to understand the importance of epidemiology in the field of nursing and public health, and to acquire data analysis skills to make decisions and develop health policies.**

Teaching methods (theoretical)

- Lectures
- Discussion sessions
- Case study and assignments



Methods of Evaluation:

- Duties and quizzes
- Attendance and participation
- Monthly exams and the end of the course

List of contents:

	Lecture title
1.	Epidemiology concepts
2.	Epidemiology theories
3.	Natural history of diseases
4.	Types of diseases and methods of transmission
5.	Methods of preventing diseases and preventing their occurrence or transmission
6.	Epidemiological surveillance
7.	Incubation period for diseases
8.	Epidemiology of communicable diseases
9.	Epidemiology of non-communicable diseases
10.	Measurement tools in epidemiology
11.	Risk study
12.	Methods of epidemiological studies

