

Course Specification

Programme (s) on which the course is given: Baccalaureate degree in nursing science	Major / minor:
Department offering the programme: faculty of Nursing	Department offering the course: Microbiology department, faculty of Medicine
Academic Year/Level: 1 st year / 1 st semester	Date of Specification approval / /2022

A- Basic Information

Title: Microbiology	Code: med-102
Credit Hours:	Lecture: (2h/w) Lab (1h/w)
Tutorial:	

B- Professional Information

1- Course Objective:

At the end of the course the student must be able to

Gain the basic knowledge and understanding about common microorganisms (bacteria and viruses), the diagnosis and prevention of infections in patient

2- Intended Learning outcomes of course (ILOs)

a- Knowledge and understanding:

- a1- Describe etiology, clinical picture, pathogenesis, diagnoses and complications of common and life threatening health infection affecting patients with different age groups.
- a2- Recognize the common diagnostic and laboratory techniques necessary to establish diagnosis of common infection.
- a3- Identify determinants of health and principles of different levels of prevention for different age groups and settings.

b- Intellectual skills:

- b1- Deliver safe nursing care to various categories of patients in different health care settings through standardized protocols and evidence based guidelines.

c- Professional and Practical skills:

- c1- Conduct appropriate health education to patients , utilizing appropriate methods and tools according to patients and the situations.

d- General and Transferable skills:

- d1- Participate in ongoing educational activities related to professional issues

3-Course Content:

Topic	No. of Hours	Lecture	Lab	Tutorial
-Basic principle of microbiology	3	2	1	-
-Infection and immunity	3	2	1	-
-Sterilization and Disinfection	3	2	1	-
-Antibacterial chemotherapy	3	2	1	-
-Diagnostic bacteriology	3	2	1	-
-A guide to common microbial disease	3	2	1	-
-Bacterial disease acquired through inhalation	3	2	1	-
-Bacterial disease acquired through ingestion	3	2	1	-
-Bacterial disease acquired through skin and mucous membrane	3	2	1	-
-Viral disease acquired through respiratory route	3	2	1	-
-Viral disease acquired through alimentary tract	3	2	1	-
-Viral disease acquired through skin and mucous membrane	3	2	1	-
Total hours	36	24	12	-

4-Teaching and Learning methods

4.1- Lectures.

4.2- Group discussion.

5- Student assessment methods

5.1- Final-term Examination to assess student knowledge about the course.

5.2- Oral exam to assess student knowledge about the course.

5.3- Semester Work to assess student abilities to gain information and collect data by him/herself.

Assessment schedule

•Assessment 1: Final-term Examination at the end of course.

•Assessment 2: Oral exam at the end of course.

•Assessment3: Semester Work during the term.

Weighting of assessments 100 marks

Mid-term examination	- %
Final – term examination	60 %
Oral examination	20 %
Practical examination	- %
Semester work	20 %
Other Types of assessment	- %
Total	100 degree 100%

6- List of references

6.1- Course notes

Complied course notes prepared by teaching staff

6.2- Essential books (text books)

Lectures notes

6.3- Recommended books

Klein,H.P.,(2017): Microbiology (5 th ed) p p.48). Sunbury, MA: Jones and Bartlett.

6.4- Periodicals, Web sites . etc.

Google.com

Course Coordinator:

Randa mohammed AL-ARaby
C-CC / 1/9

Head of Department:

1/9 / 1/9

Date: / /

نموذج رقم SP00QF110001 - إصدار / تعديل (0/1) - التاريخ : ٢٠٢٢/٧/١٩

University: Sohag University
Faculty: Faculty of nursing
Department of: Microbiology department

Course name	Microbiology
Course code	med-102

Intended Learning outcomes of course

Topic	Number of weeks	Knowledge and understanding	Intellectual skills	Professional skills	General skills
-Basic principle of microbiology	One week	a1, a2, a3	b1	c1	d1
Infection and immunity	One week	a1, a3	b1	c1	d1
Sterilization and Disinfection	One week	a3	b1	c1	d1
Antibacterial chemotherapy	One week	a3	b1	c1	d1
Diagnostic bacteriology	One week	a2	b1	c1	d1
-A guide to common microbial disease	One week	a1, a2, a3	b1	c1	d1
Bacterial disease acquired through inhalation	One week	a1, a2, a3	b1	c1	d1
Bacterial disease acquired through ingestion	One week	a1, a2, a3	b1	c1	d1
Bacterial disease acquired through skin and mucous membrane	One week	a1, a2, a3	b1	c1	d1
-Viral disease acquired through respiratory route	One week	a1, a2, a3	b1	c1	d1
-Viral disease acquired through alimentary tract	One week	a1, a2, a3	b1	c1	d1
-Viral disease acquired through skin and mucous membrane	One week	a1, a2, a3	b1	c1	d1

Course Coordinator:

Randa mohammed AL-Araby

Date: 9/10/2022

Head of Department:

د. لاء محمد عبدالواحد

التاريخ : 2022/7/19

إصدار / تعديل (0/1) -

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