Course Number: NURS 1303  
Semester: The course is offered on fall course for first year students.  
Credit hours: The course is made up for 3 credit hours.  
Lecturer: Dr. Abdalkarim Radwan  
Prerequisites: None.

Course Description:
The course is designed to provide nursing students with an essential idea of microbiology regarding general knowledge about bacteria & bacterial diseases, Viruses & viral disease, protozoa and fungi and effects on human health and methods of prophylaxis against them and treatment.

Course Objectives:
On completion of this course the student will be able to:

1- To understand a good idea about the science of microbiology.
2- To know an idea about structure, staining and types of bacteria.
3- To know and idea about infection and their types including bacterial and viral diseases.
4- Understand a chapter about immunology.
5- To deal with the antimicrobial agents are studied during this course with some details.
6- Virology is studded shortly with concentration on common viral diseases like poliomyelitis, inflate, German measles & AIDA.
7- To read a chapter about the most common protozoal infection in Gaza including toxoplasma gondii, Entaoemba histolytic and Guard lamblia.
8- Lastly, recently we had added a chapter about fungi and fungal infection to the course to cover the external and internal human infection with fungi.
**Teaching method:**

Only lectures.

**Evaluation:**

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<tr>
<th>Component</th>
<th>Weight</th>
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<tr>
<td>Queses</td>
<td>10%</td>
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<tr>
<td>Attendance and participation</td>
<td>10%</td>
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<tr>
<td>Midterm exam</td>
<td>30%</td>
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<td>Final exam</td>
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**Expectation:**
The students are expected to attend most of lectures, passing successfully all exams.

**Course Outline:**

1- History of microbiology.
2- Introduction about microorganisms.
3- Bacterial morphology, structures multiplication and staining.
4- Destruction of bacteria.
5- Infection.
6- Immunology.
7- Antimicrobial agents.
8- Bacterial diseases.
9- Virology and viral diseases.
10- Protozoa and protozoal diseases.
11- Superficial and deep mycosis.

*With my best wishes*

Dr. Abdalkarim Radwan