Microbiology

Description of the Course

Course Specifications:

The course represents a primary or secondary component of the program or programs through which the course is offered:

Bachelor degree in nursing science

The course is an integral component or secondary component of the programs:

Core courses

The academic department responsible for the program:

All academic departments of the faculty Nursing, faculty of low, faculty of education, and art, technology and computer, relevant parts of medicine faculty

Microbiology department:

First year – SECOND term:

Date of approval of the program description: 66/9/6202

(A) basic data

Pathology:

Title: NUR 0911

The code: 0911

Used hours: 26

Date: 9/6/2010

Advice: 200
the course aimed to Provide the nursing students with fundamental aspects of microbiology.

1. - الأهداف العامة للمقرر:

2. - النتائج التعليمية المستهدفة للمقرر:

- Conceptualize key terms of microbiology.
- Be acquainting to the common and endemic parasitic infections in Egypt.
- Conceptualize infection and immunity.
- Mention methods for collecting different specimen for different body system.
- Describe the characteristics of microorganism (bacterial & viral).
- Describe methods of disinfection & sterilization.
- Describe different methods of diagnostic bacteriology.
- Explain different methods for collecting specimen.
- Describe principles of infection control.
- Discuss principles of infection control.
- Discuss hospital acquired infection.
- Differentiate between physical and chemical methods of sterilization.
- Differentiate between reservoirs of infection.
- Discuss about immunology.
- Apply scientific knowledge in the clinical condition.
- Collect different specimen accurately.
- Apply aseptic technique principles.
- Demonstrate test of efficiency of autoclave.

د - المهارات العامة :
- comminucat baid newa topatients &relatives in acommpassion ethical mannar
- worke productively in ateam srearch effectively in web sit relaventvclinical cases for certin subject

<table>
<thead>
<tr>
<th>موضوع</th>
<th>عدد الساعات / الأسبوع</th>
<th>محاضرة</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 hours Sterilization and disinfection</td>
<td>2 hours</td>
<td></td>
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<tr>
<td>2 hours Chemotherapy</td>
<td>2 hours</td>
<td></td>
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<tr>
<td>4 hours - Host-parasite relationship</td>
<td>2 hours</td>
<td></td>
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<tr>
<td>Methods of laboratory diagnosis</td>
<td>2</td>
<td>6 hours</td>
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<tr>
<td>Immunology</td>
<td>2</td>
<td>2 hours</td>
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<tr>
<td>Gram positive cocci &amp; Gram negative cocci</td>
<td>2</td>
<td>6 hours</td>
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<tr>
<td>Gram positive bacilli</td>
<td>2</td>
<td>4 hours</td>
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<tr>
<td>Gram negative bacilli</td>
<td>2</td>
<td>4 hours</td>
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<tr>
<td>Rickettsiae and viruses</td>
<td>2</td>
<td>4 hours</td>
</tr>
<tr>
<td>Special virology</td>
<td>2</td>
<td>4 hours</td>
</tr>
<tr>
<td>Hospital acquired infections</td>
<td>2</td>
<td>4 hours</td>
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<tr>
<td>Infection control and general principles of infection control in various settings</td>
<td>4</td>
<td>10 hours</td>
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</tbody>
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4 - أساليب التعليم والتعلم:

**Brain storming**

**Lecture- 1 - 4**

**Discussion in class - 2 - 4**

**Laboratory.3 - 4**

5 - أساليب تقييم الطلاب

**Final term examination- 1 - 5**

لتقييم: المعرفة والفهم

**Oral examination.- 2 - 5**
Let's evaluate the intellectual and general skills.

Practical exam 2 - 5

Let's evaluate the practical and technical skills.

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>Week</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Final term examination</td>
<td>15</td>
<td>150</td>
</tr>
<tr>
<td>Oral examination</td>
<td>15</td>
<td>150</td>
</tr>
<tr>
<td>Practical exam</td>
<td>15</td>
<td>150</td>
</tr>
</tbody>
</table>

The percentage of each evaluation:

- Mid-term examination / Semester exam: 60%
- Final examination / Semester exam: 60%
- Practical exam: 60%
- Year / Semester project: 60%
- Other evaluation types: 10%
- Any other evaluation without grades: 6%

- 6 - Reference list
- 6 - Professor's notes

Handout prepared by Prof Dr. Ahmed Omar Shafi

- 3 - مجلات دورية، مواقع إنترنت،.................، إلخ

http://www.yahoo.com
http://www.google.com

7 - الإمكانيات المطلوبة للتعليم والتعلم

Overhead projector - Electronic - Data show

تم مناقشة التوصيف واعتماده بمجلس القسم المنعقد بتاريخ

Prof. Dr: Ahmed Omar Shafik

أستاذ المادة:

التوقيع:

رئيس القسم:

التاريخ: