

## **Course specification**

Programme(s) on which the course is given: MsC  
Major or minor element of programmes: Major  
Department offering the Programme: Botany  
Department offering the course: Botany  
Academic year / Level: One year  
Date of specification approval: 1 / 2012

### **A- Basic Information**

Title: **Medical microbiology**      Code: B6811  
Credit Hours: 2      Lecture: 2  
Tutorial:      Practical: --      Total:

### **B- Professional Information**

**1- Overall aims of the course : By the end of this course , the student should be to**

- Identify, isolate and describe different pathogenic microbes to humans.
- Recognize the symptoms of different diseases.

**2- Intended learning outcomes of course (ILOs):**

#### **a- Knowledge and understanding:**

- a1- Under standing the mole of infection .
- a.2- Realize the microbial pathogenicity.
- a.3-Identify the different types of pathogenic microbes.

#### **b- Intellectual skills**

- b.1- Analysis of disease symptoms
- b.2- Identify and describe pathogenic microbes .
- b-3- Evaluate the pathogenicity.

#### **c- Professional and practical skills**

- c1- Apply methods of microbial isolations.
- c2- Write report about diesel and causal organisms .

#### **d- General and transferable skills:**

- d.1-Explain different microbial pathogens
- d.2- Identify the disease symptoms .
- d-3- Describe the mode of infection .

### **3-Contents**

Topic	No. of hours	Lecture	Tutorial/Practical
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Dermatophyte infection	4	2	2
Diagnosis of fungal infection.	4	2	2
Systemic mycosis	2	1	
Tinea diseases	2	1	1
Bacterial diseases	4	2	2
Bacterial tests, serology tests	2	1	1
Antifungal agents	2	1	1
Antibacterial agents	2	1	1

#### **4- Teaching and learning methods**

- 1- Lectures
- 2- Writing Reports
- 3- Practical demonstration

#### **5- Students assessment methods**

- 1- Written and oral Exam to assess understanding competencies
- 2- Practical Exam to assess laboratory performance

#### **Assessment schedule**

Assessment 1 Mid term	Week 4 and 7
Assessment 2 Semester activities	Week 5 and 8
Assessment 3 Final term practical exam	Week 13
Assessment 4 Final term written exam	Week 14

#### **Weighting of assessments**

Mid Term Examination (written + practical)	20%
Final Term Examination (written + practical)	60%
Semester Work (written + practical)	20%
Total	100%

#### **6- List of references**

- 6.1- Essential books ( text books )
  - Introduction to medical microbiology 1982 John wily
  - Principals of pathogenic microbes . 1995 Toronto
- 6.4- Periodicals, Web sits .... Etc :

#### **7- Facilities required for teaching and learning**

Course coordinator: Prof.Dr. Mohamed Ali Afifi Hefnawy  
 Head of Department: Prof.Dr. Mohamed Ali Afifi Hefnawy  
 Date: