

Course Syllabus of Medical Mycology

Faculty: Medicine and Health Sciences
Department: Health Sciences
Program: Bachelor in Medical laboratory

I. General information about the course instructor :							
Name	Prof. Saeed M. Alghalibi	Office Hours(3 Hours Weekly)					
Location & phone number	Sanaa 733583112	Sat	Sun	Mon	Tue	Wed	Thu
Email	alghalibi@gmail.com	1		1		1	

II. General information about the course:						
1.	Course Title :	Medical Mycology				
2.	Course Code and Number :	BML363				
3.	Credit Hours :	Credit Hours				Total
		Theoretical	Seminar/Tutorial	Practical	Training	
		2	-	1	-	
4.	Study Level and Semester:	Third Year- Second Semester				
5.	Pre-requisites:	BHS120				
6.	Co-requisites	-				
7.	Program in which the course is offered:	Bachelor in Medical laboratory				
8.	Teaching Language:	English				
9.	Instruction location:	Sana'a				

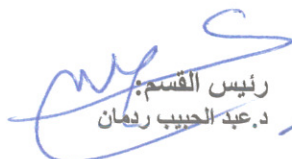
د. سعيد الجور



عميد الكلية:
د. عبد الله المخلافي

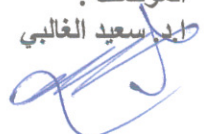
27.2.2019

رئيس القسم:
د. عبد الحبيب ريمان



جامعة العلوم والتكنولوجيا
إدارة ضمان الجودة والاعتماد
مستقبل
APPROVED
د. إبراهيم الصيل
د. حمود الحبابي

الموصف:
د. سعيد الغالبي



III. Course Description

This course is concerned with the fundamental knowledge about fungal diseases, mechanism of pathogenicity of fungi, classification of fungal diseases and treatment of fungal diseases.

The practical part will be focus on collection of fungal specimens, isolation and identification of pathogenic fungi and diagnosis of fungal diseases.

The teaching will include lecture, collaborative learning, self-learning, dialogue, brain storming, discussion and assignment.

IV. Course Aims: the aims of this course are:

1. Enhance the knowledge, skills and experience of individuals working in the field of medical mycology via distance and reflective learning, a series of practical classes and a research project.
2. Provide knowledge in all aspects of medical mycology including the isolation and identification of fungal pathogens.
3. Improve the skills of the student on the modern methods of diagnosis of medical fungi.
4. Enhance the knowledge of epidemiology and changing spectrum of fungal disease and antifungal chemotherapy.
5. Provide the student with appropriate ethical and professional education necessary for dealing with medical mycology laboratory.

V. Course Intended Learning Outcomes (CILOs): After finishing this course the student will be able to:

After completion of this course student should be able to:

1. Define medical terms related to medical mycology.
2. Describe the classification, taxonomy, pathogenesis, epidemiology, diagnosis and treatment of pathogenic fungi.
3. Recognize techniques and procedures used for fungal specimen collection, transportation, storage and quality control and quality assurance systems in medical mycology laboratory.
4. Correlate laboratory findings with fungal disease processes.
5. Evaluate and implement suitable methods and protocols for diagnosis of fungal diseases.
6. Differentiate between different types of fungal diseases and their symptoms and distinguish between the methods and protocols for diagnosis of fungal diseases.
7. Operate different equipment's and instruments and use emerging technologies in identification and culturing fungi.
8. Evaluate the results obtained in the medical mycology laboratory and compare them with published results.
9. Solve the problem during practical work by communication with reference medical laboratory.
10. Cooperate with supervisors, colleagues in medical mycology lab and preserve the privacy of patients in medical centers and hospitals.

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معتتمد
الموصف: APPROVED
المراجع:

VI. Course Contents

Theoretical Aspect:

No.	Course Units	Sub-topics	Week due	Contact Hours
1	Overview and Introduction to Medical Mycology	Historical background Definition of Mycology , Mycosis	1 st	1
2	Structure and shapes of medical fungi	Structure of fungal cell Shapes of medical fungi	2 nd	1
3	Reproduction of medical fungi	Sexual reproduction Asexual reproduction	3 rd	1
4	Classification of fungi Mechanism of fungal diseases	Systemic Classification Medical Classification Steps of fungal disease	4 th	1
5	Superficial Mycosis	Definition, types Laboratory Diagnosis	5 th ,6 th	2
6	Midterm Exam		7 th	1
7	Cutaneous Mycosis	Definition, Dermatophytosis, Tinea types, Laboratory diagnosis	8 th , 9 th	2
8	Subcutaneous Mycosis	Definition, types, Laboratory diagnosis	10 th	1
9	Systemic Mycosis	Definition, types, Laboratory diagnosis	11 th ,12 th	2
10	Opportunistic Mycosis	Definition, Aspergillosis, Candida albicans Cryptococcus neoformans	13 th , 14 th	2
11	Final Exam		15 th	1
Total number of weeks and hours			15	15



المراجع :

د. إبراهيم السيل
د. محمود الحبابي

الموصف :

أ.م.د. سعيد الغالبي

