



Training Course specification of Bacteriology, Mycology and Immunology

1-Basic information

Course title :	Training Course specification of Bacteriology, Mycology and Immunology
Academic year:	3 rd academic year (2014/2015)
Programme title:	Bachelor of Veterinary Medical Science
Contact hours week/semester:	See training program specification

2-Professional information

1- Overall aims of course

At the end of this course, the students had the ability to deal with different clinical samples from animals suffering from Infectious diseases in laboratory of Bacteriology, Mycology and Immunology, understanding the sample transportation, processing, direct laboratory diagnostic techniques.

2- Intended training outcomes of course (ITOs)

a-Knowledge and understanding

By the end of this course the student should be able to:

1. List the most common clinical samples of different infectious diseases in the Egyptian field.
2. Explain the steps for transportation, processing of these samples before undergoing direct diagnostic techniques.
3. Gain the knowledge of suitable culture media and biochemical tests for each sample.

b-Intellectual skills

By the end of this course the student should be able to :

1. Interpret the different clinical samples of different infectious diseases.
2. Plan for correct steps for direct diagnosis of clinical samples in laboratory.

c-Professional and practical skills

By the end of this course the student should be able to:

1. Deal with clinical samples of different infectious diseases.
2. Apply different techniques for culturing samples on different media and anaerobic cultivation.
3. Perform a suitable biochemical tests for each sample under test. .

<u>d-General and transferable skill</u>
By the end of studying the course, the student should be able to 1. Work effectively as a part of team or individually to collect data. 2. Good communication skills.

3-Topics and contents

Topic
1- Most common clinical samples (feces, urine, sputum, blood and skin)
2- Samples transportation, processing.
3- direct diagnostic techniques 1- Cultural media 2- Biochemical tests

4-Teaching and learning methods -
4.1 laboratory of Bacteriology, Mycology and Immunology visits.

5-Student assessment
See training program specification

Training coordinator	Head of department
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