Ministry of High Education & Scientific Research

University of Baghdad

College of Veterinary Medicine

Zoonotic Diseases Unit

Syllabus of zoonotic fungal disease for Master students 2017-2018.

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| week | Subject  | Lecturer |
| 1. | Introduction to fungi  | د.زينب عبدالزهرة |
| 2. | Structure and morphology of fungi | د.زينب عبدالزهرة |
| 3-4 | Spores types and method of reproduction | د.شيماء نبهان |
| 5. | Classification of fungi :A-according to infection site in mans& animals body B-according to reproduction  |  د.زينب عبدالزهرة |
| 6. | Superficial mycosis (man& animal) | د.شيماء نبهان |
| 7-8 | Cutaneous and subcutaneous infections  | د.شيماء نبهان |
| 9. | Aspergillosis  | د.زينب عبدالزهرة |
| 10. | candidiasis | د.زينب عبدالزهرة |
| 11. | Cryptococcosis  | د.شيماء نبهان |
| 12. | Histoplasmosis  | د.شيماء نبهان |
| 13. | Coccidioidomycosis  | د.زينب عبدالزهرة |
| 14. | Blastomycosis  | د.شيماء نبهان |

Syllabus of immunology zoonotic disease for Master students 2017-2018.

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| week | Subject  | Lecturer |
| 1. | Introduction, innate immunityand acquired immunity  | D.Mohammed |
| 2.3-4. | System of Immunity type of T lymphocytes and their development | D.Mohammed |
| 5 | B- cell development & maturation | D.Mohammed |
| 6. | antigen |  D.Mohammed |
| 7. | MHC molecules | D.Mohammed |
| 8-10 | Cell mediated immune response | D.Mohammed |
| 11. | Complement system | D.Mohammed |
| 12. | immunoglobulines  | D.Akram |
| 13. | Immune response against bacterial infections | D.Akram |
| 14. | Immune response against viral infections | D.Akram |
| 15. | Immune tolerance | D.Akram |

Syllabus of pathology zoonotic disease for Master students 2017-2018.

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| week | Subject  | Lecturer |
| 1. | Cellular response to stress  | D.Mohammed |
| 2. | Apoptosis | D.Mohammed |
| 3 | Oxidative stress | D.Zainab |
| 4-5. | Acute inflammation  |  D.Mohammed |
| 6. | Chronic inflammation | D.Zainab |
| 7-10. | Bacterial pathogenesis |  D.Mohammed |
| 11-12. | Viral pathogenesis  | D.Zainab |
| 13 | pathogenesis of parasite and fungi | D.Zainab |
| 14. | Toxin pathogenesis  | D.Mohammed |
| 15. | examination |  |

Syllabus of zoonotic Rodent disease for Master students 2017-2018.

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| week | Subject  | Lecturer |
| 1,2 | General characteristic of rodents  | د.ابراهيم عبد الحسين |
| 3,4. | Bacterial Zoonotic Rodent Disease  | د.ابراهيم عبد الحسين |
| 5,6,7,8 | Viral Zoonotic Rodent Disease | د.ابراهيم عبد الحسين |
| 9,10,11,12 | Parasitic Zoonotic Rodent Disease | د.ابراهيم عبد الحسين |
| 13,14 | Miscellaneous Zoonotic Rodent Disease | د.ابراهيم عبد الحسين |

Syllabus of epidemiology for Master students/zoonosis 2017-2018.

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| week | Subject  | Lecturer |
| 1.2 | Basic concepts of vet. Epidemiology  | د.ابراهيم عبد الحسين |
| 3. | Techniques for investigating outbreaks of livestock disease  | د.ابراهيم عبد الحسين |
| 4,5 | Evaluation of diagnostic tests  | د.ابراهيم عبد الحسين |
| 6,7,8 | Epidemiology of viral disease (Rabies ,Rift Valley fever , Orf ,West Nile, Encephalitis ,CHF | د.ابراهيم عبد الحسين |
| 9 | Mid term examination  | د.ابراهيم عبد الحسين |
| 10,11,12 | Epidemiology of bacterial disease(Brucellosis , Anthrax T.B,……) | د.ابراهيم عبد الحسين |
| 13,14 | Epidemiology of fungal disease  | د.ابراهيم عبد الحسين |
| 10. | Immunity and epidimiology | د.ابراهيم عبد الحسين |

Syllabus / Clinical Microbiology (M Sc. students) – First semester 2017-2018

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| Week | Subject | Lecturer |
| 1 | Classification and Types of zoonotic diseases | Assist Prof Dr. Nagham |
| 2 | Biorisk management | Assist Prof Dr. Mawlood |
| 3 | Bacterial structure  | Assist Prof Dr. Aseel |
| 4 | Laboratory diagnosis of Bacterial diseases  | Assist Prof Dr. Maysoon |
| 5 | Cultivation and preservation of bacteria | Assist Prof Maysoon |
| 6 | Antimicrobial susceptibility testing | Assist Prof Dr. Mawlood |
| 7-  | Med Exam. |  |
| 8 | Molecular techniques in Diagnostic microbiology – part one  | Assist Prof Dr. Inam |
| 9 | Molecular techniques in Diagnostic microbiology – part two | Assist Prof Dr. Inam |
| 10 | *Staphylococcus spp*. and *Streptococcus spp* | Assist Prof Dr. Nagham |
| 11 | *Pseudomonas aeruginosa* | Assist Prof Dr. Nagham |
| 12 | Enterobactericea –part one and Two | Assist Prof Dr. Aseel |
| 13 |  *Mycobacteriaum Spp.*and Nocardia |  Assist Prof Dr. Maysoon |
| 14 | *Corynbacterium Spp*. andRhodococcus . | Assist Prof Dr. Mawlood |
| 15 | Clostridia |  Assist Prof Dr. Aseel |
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Syllabus / patasitology for M Sc. students 2017-2018

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| Week | Subject | Lecturer |
| 1 | Introduction | Dr. Aamer |
| 2 | Toxocariasis | Dr. Aamer |
| 3 | Ancylostomiasis  | Dr. Aamer |
| 4 | Fascioliasis | Dr. Aamer |
| 5 | Ecchinococosis | Dr. Aamer |
| 6 | Taeniasis | Dr. Aamer |
| 7 | Leishmaniasis | Dr.Haedar |
| 8 | Trypanosomiasis  | Dr. Haedar  |
| 9 | Babesiosis | Dr. Haedar |
| 10 | Giardiasis | Dr. Haedar |
| 11 | Cryptosporidiosis  | Dr. Haedar |
| 12 | Toxoplasmosis | Dr. Haedar  |
| 13 |  Sarcocystosis | Dr. Haedar |
| 14 | *Diphyllobothrium latum* | Dr. Haedar |
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