



University of Benghazi
Faculty of Medicine
Parasitology Department
Parasitology Course Specification

The parasitology course is one of the basic requirements of Bachelor of Medicine and Surgery program, it is taught in the third academic year. The number of study hours is 83 hours. Allocated marks: 100

The course aims to: Acquire comprehensive knowledge and skills on the basic principles of Parasitology including the nature, pathogenesis, diagnosis, transmission, prevention and control of diseases common in the country, Acquire critical thinking and problem-solving skills for self and lifelong learning and Acquire communication, and team working skills that are essential for them to become active members in society

Learning Outcomes :

Knowledge and understanding:

By the end of this course the student must be able to pick the following:

1. Discuss the morphology, lifecycle, pathogenesis, modes of transmission, and geographical distributions of protozoa, helminthic infections and arthropod infestations.
2. Explain signs and symptoms of protozoan, helminthic and arthropod infections.
3. Discuss the management plan, prevention and control for protozoa, helminthic infections and arthropod infestations.

Intellectual skills:

1. Classify different protozoa, helminths and arthropods according to their site of infection or infestation.
2. Analyze body immune response to certain parasitic infections.
3. Compare & contrast the similar stages of different parasites

Practical and Professional skills:

1. Differentiate between types of parasites using different stains.
2. Recognize histopathological changes caused by protozoan, helminthic and arthropods under microscope by using different stains.
3. Perform microscopic urine, stool sample and blood smear examination.
4. Prepare urine and stool specimen for microscopic examination.

General and transferable skills:

1. Communicate effectively with their colleagues and teachers.
2. Be an influential part of a teamwork and aware of team dynamics.
3. Manage their time effectively

Teaching and learning methods:

- Interactive Lecture,
- Practical lab training
- Tutorial (Small group discussion),
- Flipped-classroom
- Blended learning

Students Assessment methods:

1. MCQs, Matching,
2. Short Answer (reasoning, Problem solving),
3. Oral examination, and
4. slide examination

Block study guide & handouts:

1. Department's lecture Notes
2. Lectures power point presentation and lectures notes pdf.
3. Power point presentation of the slides in the practical classes

References:

1. *John D. T., Petri W. A., Markell E. K. and Voge M.* Markell and voge's medical parasitology . 9th edition. W. B. Saunders. (2006).
2. *Neva, Franklin A. and Brown, Harold W.* Basic Clinical Parasitology. 6th edition. Appleton & Lange.(1996).
3. *Jeffery, H.C. and Leach, R.M.* Atlas of Medical Helminthology and Protozoology. 3th edition. Churchill Livingstone. (1992).
4. <http://library.lol/main/AECACD15FBF08DBC357034C0829D5F6B>