

Biology practicals for English-speaking medical students – 1. semester

Time	Practical
1 st week	Techniques for light microscopy.
2 nd week	Phylum Sarcomastigophora. Subphylum Mastigophora (Flagellata). <i>Trypanosoma brucei gambiense</i> and <i>Trypanosoma brucei rhodesiense</i> . <i>Trypanosoma equiperdum</i> . <i>Leishmania donovani</i> . <i>Leishmania tropica</i> . <i>Trichomonas vaginalis</i> . <i>Giardia lamblia</i> (<i>Lamblia intestinalis</i>).
3 rd week	Phylum Sarcomastigophora. Subphylum Sarcodina. <i>Entamoeba histolytica</i> . Phylum Ciliophora. <i>Balantidium coli</i> . <i>Paramecium caudatum</i> . Phylum Apicomplexa (Sporozoa). <i>Toxoplasma gondii</i> .
4 th week	Phylum Apicomplexa (Sporozoa). <i>Plasmodium vivax</i> . <i>Plasmodium malariae</i> . <i>Plasmodium falciparum</i> . Transition to Metazoa. Phylum Coelenterata (Cnidaria). Genus <i>Hydra</i> . Genus <i>Obelia</i> .
5 th week	Phylum Platyhelminthes. Class Trematoda. <i>Fasciola hepatica</i> . <i>Dicrocoelium dendriticum</i> (<i>D. lanceatum</i>). <i>Opisthorchis felinus</i> . Genus <i>Schistosoma</i> .
6 th week	Phylum Platyhelminthes. Class Cestoda. <i>Diphyllobothrium latum</i> . <i>Taenia saginata</i> . <i>Taenia solium</i> . <i>Hymenolepis nana</i> . <i>Echinococcus granulosus</i> .
7 th week	Phylum Nematoda. <i>Ascaris lumbricoides</i> . <i>Enterobius vermicularis</i> . <i>Trichuris trichiura</i> (<i>Trichocephalus trichiurus</i>). <i>Trichinella spiralis</i> . <i>Strongyloides stercoralis</i> . <i>Ancylostoma duodenale</i> .
8 th week	Phylum Nematoda. <i>Dracunculus medinensis</i> . <i>Wuchereria bancrofti</i> . <i>Loa loa</i> . Phylum Annelida. <i>Lumbricus terrestris</i> . <i>Hirudo medicinalis</i> . Phylum Arthropoda. Subphylum Crustacea. Genus <i>Cyclops</i> . Class Arachnida. Order Scorpiones. Genus <i>Euscorpius</i> . Order Araneae. Genus <i>Latrodectus</i> .
9 th week	Phylum Arthropoda. Class Arachnida. Subclass Acari (Acarina). <i>Sarcoptes scabiei</i> . Genus <i>Dermatophagoides</i> . <i>Ixodes ricinus</i> . <i>Dermacentor marginatus</i> . <i>Hyalomma plumbeum</i> . <i>Rhipicephalus sanguineus</i> . Class Insecta. <i>Pediculus humanus</i> . <i>Phthirus pubis</i> .
10 th week	Phylum Arthropoda. Class Insecta. <i>Cimex lectularius</i> . <i>Pulex irritans</i> . Genus <i>Culex</i> and genus <i>Anopheles</i> . <i>Phlebotomus papatasi</i> . Insects as transmission vectors and mechanical carriers of pathogens.
11 th week	Observation and identification of parasites.
12 th week	Colloquium with practical exam.
13 th week	Comparative anatomy of vertebrates I: Skin, skin sense organs, urogenital system.
14 th week	Comparative anatomy of vertebrates II: Central nervous system. Eye. Ear.
15 th week	Venomous animals, poisonous plants and fungi.

This schedule is valid from academic year 2016-17 onwards.