

Biology practicals for English-speaking dental 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> .
3 rd week	Phylum Sarcomastigophora. Subphylum Mastigophora (Flagellata). <i>Trichomonas tenax</i> . <i>Trichomonas vaginalis</i> . <i>Lambliia intestinalis</i> (<i>Giardia lamblia</i>). Subphylum Sarcodina. <i>Entamoeba histolytica</i> . <i>Entamoeba gingivalis</i> .
4 th week	Phylum Apicomplexa (Sporozoa). <i>Plasmodium vivax</i> . <i>Plasmodium malariae</i> . <i>Plasmodium falciparum</i> .
5 th week	Phylum Apicomplexa (Sporozoa). <i>Toxoplasma gondii</i> . Phylum Ciliophora. Class Ciliata. <i>Balantidium coli</i> . <i>Paramecium caudatum</i> . Transition to Metazoa. Phylum Coelenterata (Cnidaria). Genus <i>Hydra</i> .
6 th week	Phylum Platyhelminthes. Class Trematoda. <i>Fasciola hepatica</i> . <i>Dicrocoelium dendriticum</i> (<i>D. lanceatum</i>). Genus <i>Schistosoma</i> .
7 th week	Phylum Platyhelminthes. Class Cestoda. <i>Taenia saginata</i> . <i>Taenia solium</i> . <i>Echinococcus granulosus</i> .
8 th week	Phylum Nematoda. <i>Ascaris lumbricoides</i> . <i>Enterobius vermicularis</i> . <i>Trichuris trichiura</i> (<i>Trichocephalus trichiurus</i>). <i>Trichinella spiralis</i> .
9 th week	Phylum Annelida. <i>Lumbricus terrestris</i> . <i>Hirudo medicinalis</i> . Phylum Arthropoda. Class Arachnida. Order Scorpiones. Genus <i>Euscorpis</i> . Order Araneae. Genus <i>Latrodectus</i> .
10 th week	Phylum Arthropoda. Class Arachnida. Order Acari. <i>Sarcoptes scabiei</i> . Tick vectors: <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> .
11 th week	Phylum Arthropoda. Class Insecta. <i>Cimex lectularius</i> . <i>Pulex irritans</i> . Genus <i>Culex</i> and genus <i>Anopheles</i> . Insects as vectors and mechanical carriers of pathogens.
12 th week	Observation and identification of parasites.
13 th week	Colloquium with practical exam.
14 th week	Comparative anatomy of skull.
15 th week	Venomous animals, poisonous plants and fungi.

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