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| **Day** | **Data** | **Time** | **Subject** | **Tutor** |
| **Saturday** |  | 8-10 | Pre-test (Theoretical & Practical) | Prof. Nateghpour and Dr. Motevalli Haghi |
|  | 10:30 - 11:30 | Importance of malaria, malaria parasites, life cycle of malaria parasites | Prof. Nateghpour |
|  | 11:30 – 12: 30 | Blood film collection, staining techniques, diagnosing processes | Dr. Motevalli Haghi |
|  | 15:30 – 17 | Laboratory practice: Demonstration of malaria parasites, taking thick and thin blood films and staining | Prof. Nateghpour and Dr. Motevalli Haghi |
|  | 17:30 – 19 | Morphology of erythrocytic stages of *P. vivax*, *P. falciparum*, *P. malariae*, *P.ovalae* | Prof. Nateghpour |
| **Sunday**  |  | 8 – 10 | Laboratory practice: Morphology of *P. vivax* in thin and thick films | Prof. Nateghpour and Dr. Motevalli Haghi |
|  | 10:30 – 12:30 | Laboratory practice: Morphology of *P. falciparum* in thin and thick films | Prof. Nateghpour and Dr. Motevalli Haghi |
|  | 15:30 -17 | Laboratory Practice: Morphology of *P. malariae* in thin and thick films  | Prof.Nateghpour and Dr.Motevalli Haghi |
|  | 17:30 -18 | Counting of malaria parasites in thick and thin films  | Prof. Nateghpour |
|  | 18-19 | Some other organisms and artifacts may be observed in blood films  | Dr. Motevalli Haghi |
| **Monday** |  | 8-10 | Drug resistance in malaria parasites: Introduction, In vivo & vitro drug sensitivity tests | Prof. Nateghpour |
|  | 10:30 – 12:30 | Laboratory practice: Parasite counting |  Prof. Nateghpour and Dr. Motevalli Haghi |
|  | 15:30 – 17 | Laboratory practice: Morphology of *P. ovale* in thin and thick films | Prof. Nateghpour and Dr. Motevalli Haghi |
|  | 17:30 – 19 | Mid – course practical examination | Prof. Nateghpour and Dr. Motevalli Haghi |
| **Tuesday** |  | 8-9 | Antimalarial drugs and chemotherapy of uncomplicated malaria | Prof. Nateghpour |
|  | 9-10 | Rapid Diagnostic tests(RDTs) | Prof. Nateghpour |
|  | 10:30 – 12: 30 | Laboratory practice: Diagnosing *P.vivax* in thick & thin films and comparing between them  | Prof. Nateghpour and Dr. Motevalli Haghi |
|  | 15:30 – 17 | Laboratory practice: Diagnosing *P. falciparum* in thick and thin films and comparing between them | Prof. Nateghpour and Dr. Motevalli Haghi |
|  | 17:30 -19 | Laboratory practice: Diagnosing *P. malariae* in thick & thin films and comparing them | Prof. Nateghpour and Dr. Motevalli Haghi |
| **Wednesday** |  | 8-10 | Laboratory practice: Parasite counting ( in vivo test) | Prof. Nateghpour and Dr. Motevalli Haghi |
|  | 10:30 – 11:30 | Laboratory practice: Diagnosing *P. ovale* in thick and thin films and comparing between them | Prof. Nateghpour and Dr. Motevalli Haghi |
|  | 11:30 – 12:30 | Laboratory practice: Making thick and thin blood films and staining them | Prof. Nateghpour and Dr. Motevalli Haghi |
|  | 15:30 -17 | Laboratory practice: Diagnosing malaria parasites in unknown blood films(1) | Prof. Nateghpour and Dr. Motevalli Haghi |
|  | 17:30-19 | Laboratory practice: Diagnosing malaria parasites in unknown blood films (2) and preparing for post- tests | Prof. Nateghpour and Dr. Motevalli Haghi |
| **Thursday** |  | 8 - 9:30 | Discussion | Prof. Nateghpour |
|  | 9:30 - 11: 30 | Post- test(Theoretical & Practical) | Prof. Nateghpour and Dr. Motevalli Haghi |
|  | 11:30 – 12:30 | Closing ceremony |  |

**Malaria microscopy short course**

**Course Director: Prof. Mehdi Nateghpour**

**Course Facilitator: Dr. Afsaneh Motevalli Haghi**