

Day	Data	Time	Subject	Tutor
<b>Saturday</b>		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 <i>P. vivax</i> , <i>P. falciparum</i> , <i>P. malariae</i> , <i>P.ovalae</i>	Prof. Nateghpour
<b>Sunday</b>		8 – 10	Laboratory practice: Morphology of <i>P. vivax</i> in thin and thick films	Prof. Nateghpour and Dr. Motevalli Haghi
		10:30 – 12:30	Laboratory practice: Morphology of <i>P. falciparum</i> in thin and thick films	Prof. Nateghpour and Dr. Motevalli Haghi
		15:30 -17	Laboratory Practice: Morphology of <i>P. malariae</i> 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
<b>Monday</b>		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 <i>P. ovale</i> in thin and thick films	Prof. Nateghpour and Dr. Motevalli Haghi
		17:30 – 19	Mid – course practical examination	Prof. Nateghpour and Dr. Motevalli Haghi

<b>Tuesday</b>		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 <i>P.vivax</i> in thick & thin films and comparing between them	Prof. Nateghpour and Dr. Motevalli Haghi
		15:30 – 17	Laboratory practice: Diagnosing <i>P. falciparum</i> in thick and thin films and comparing between them	Prof. Nateghpour and Dr. Motevalli Haghi
		17:30 -19	Laboratory practice: Diagnosing <i>P. malariae</i> in thick & thin films and comparing them	Prof. Nateghpour and Dr. Motevalli Haghi
<b>Wednesday</b>		8-10	Laboratory practice: Parasite counting ( in vivo test)	Prof. Nateghpour and Dr. Motevalli Haghi
		10:30 – 11:30	Laboratory practice: Diagnosing <i>P. ovale</i> 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
<b>Thursday</b>		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**