

## Course syllabus

### TMCD509 Medical Problems in the Tropics

#### Academic Year 2016-2018

1. **Institute** Mahidol University  
**Faculty/Department** Faculty of Tropical Medicine, Department of Clinical Tropical Medicine
2. **Course Name:**
  - a. **Course Code:** TMCD 509
  - b. **Course Title:** Medical Problems in the Tropics
3. **Number of credits:** 2 (2-0-4)
4. **Programme use** Graduate Diploma Programme in Tropical Medicine and Hygiene  
Master of Clinical Tropical Medicine  
Master of Clinical Tropical Medicine (Tropical Paediatrics)
5. **Prerequisite:** None
6. **Type of Course:** Elective subject: D.T.M.&H.  
Core subject: M.C.T.M. and M.C.T.P.
7. **Condition: class size:** None
8. **Session/Academics year:** The first semester of each academic year
9. **Course description:**

Common problems and diseases in tropical region such as nutritional deficiency disorders, liver diseases, infectious diseases, tropical cutaneous diseases, cancer, endocrine disorders, treatment of diseases, prevention and vaccination
10. **Course expected learning outcomes:**

The students should be able to

  - 1) Identify the health problems concerning common tropical diseases
  - 2) Describe common tropical diseases in the other interesting conditions
  - 3) Plan for the investigations, treatment and generate the proper advice for the patient with tropical diseases

## 11. Course outline

Day	Title	Hours			Instructor	Course Learning Outcome	Learning Activities	Assessment
		Lecture	Lab	Self-study				
1	Case discussion I	3	0	6	All staff	1,2,3	PowerPoint presentation, Case Discussion, Q&A	Attendance, student participation, discussion
2	Common lung diseases	2	0	4	Asst Prof Udomsak	1,2,3	PowerPoint presentation, Case Discussion, Q&A	Attendance, student participation, discussion
3	Malaria meet the experts	1	0	2	Prof White, Prof Day Prof Sasithon, Assoc Prof Kesinee, Dr Podjane	1,2,3	PowerPoint presentation, Case Discussion, Q&A	Attendance, student participation, discussion
4	Emergency in tropical Medicine	2	0	4	Assoc Prof Vipa	1,2,3	PowerPoint presentation, Case Discussion, Q&A	Attendance, student participation, discussion
5	HIV/AIDS meet the experts	2	0	4	Dr Somsit Prof Punnee	1,2,3	PowerPoint presentation, Case Discussion, Q&A	Attendance, student participation, discussion
6	Case discussion II	3	0	6	Assoc Prof Yupaporn Asst Prof Weerapong Asst Prof Udomsak Dr Watcharapong Dr Chatporn	1,2,3	PowerPoint presentation, Case Discussion, Q&A	Attendance, student participation, discussion
7	Acute kidney injury in the tropics	2	0	4	Asst Prof Weerapong Assoc Prof Vipa	1,2,3	PowerPoint presentation, Case Discussion, Q&A	Attendance, student participation, discussion
8	Liver malignancy in the tropics	1	0	2	Dr Chatporn Dr Kittiyod	1,2,3	PowerPoint presentation, Case Discussion, Q&A	Attendance, student participation,

								discussion
9	Cutaneous manifestations in HIV patient in the HAART era	3	0	6	Dr Pornchai Asst Prof Jittima	1,2,3	PowerPoint presentation, Case Discussion, Q&A	Attendance, student participation, discussion
10	Applied laboratory research in malaria	3	0	6	Assoc Prof Kesinee Assoc Prof Porntip Asst Prof Apichart Dr Wang Dr Natthida	3	PowerPoint presentation, Case Discussion	Attendance, student participation, discussion
11	Liver function test Interpretation	1	0	2	Dr Borimas Dr Kittiyod	3	PowerPoint presentation, Case Discussion, Q&A	Attendance, student participation, discussion
12	Case discussion III	3	0	6	Prof Polrat Prof Sasithon Dr Wirongrong Dr Prakaykaew Dr Kittiyod	1,2,3	PowerPoint presentation, Case Discussion, Q&A	Attendance, student participation, discussion
13	Problems in Africa and South America	1	0	2	Asst Prof Daniel Dr Wirongrong	1,2,3	PowerPoint presentation, Case Discussion, Q&A	Attendance, student participation, discussion
14	Vaccine in the future: HIV, Dengue and Flu vaccines	3	0	6	Assoc Prof Pornthep Assoc Prof Tawee Prof Punnee	1,2,3	PowerPoint presentation, Case Discussion, Q&A	Attendance, student participation, discussion
	<b>Total</b>	30	0	60				

**12. Teaching and Learning Activities**

Lecture

Case discussion and seminar

**13. Teaching media**

PowerPoint presentation

Case Scenario

**14. Course achievement and evaluation**

Programme ELO (MCTM)	Course Learning Outcome	Assessment Methods
2.1 Describe all important tropical diseases covering all detailed aspects	1,2,3	Attendance, student participation, discussion, MCQ Examination
3.1 Approach and manage patients with common tropical diseases	1,2,3	Attendance, student participation, discussion

<sup>1</sup>Attendance of academic activity 10%

Participation and discussion during academic activity 30%

Group presentation and discussion in Seminar session 60%

Note<sup>1</sup> Students must attend at least 80% of all activities.

**15. Course evaluation**

Discussion and comments session at the end of the course

Questionnaire for contentment and suggestion for the course

**16. References**

16.1 Keystone JS, Kozarsky PE, Freedman DO, et al. Travel Medicine 3<sup>rd</sup> ed 2012. Mosby Elsevier, Philadelphia, USA.

16.2 Rose SR, Keystone JS. International Travel Health Guide 2006-2007. Mosby Elsevier, Philadelphia, USA.

16.3 World Health Organization. International travel and health 2009. WHO Press, Genève, Switzerland. Available at [www.who.int/ith](http://www.who.int/ith).

16.4 Centre of Disease Prevention and Control. Health Information for International Travel 2016. US Department of Health and Human Services, Public Health Service, Atlanta, USA. Available at [www.cdc.gov](http://www.cdc.gov).

**17. Instructors:**

Prof. Polrat Wilairatana

Prof. Punnee Pitisuttithum

Prof. Sasithon Pukrittayakamee

Assoc Prof. Kesinee Chotivanich

Assoc Prof. Yupaporn Wattanagoon

Asst Prof. Udomsak Silachamroon

Asst Prof. Jittima Dhitavat

Asst Prof. Supat Chamnanchanunt  
Asst Prof Viravarn Luvira  
Asst Prof Weerapong Phumratanaprapin  
Dr. Watcharapong Piyaphanee  
Dr. Chatporn Kittitrakul  
Dr. Kittiyod Poovorawan  
Dr. Sant Muangnoicharoen  
Dr. Wirongrong Chierakul  
Dr. Prakaykaew Charunwatthana  
Dr. Maleerat Sutherat  
Dr. Viravarn Luvira

**Invited Instructors**

Prof. Nicholas J White  
Prof. Pornthep Chanthavanich

**18. Course responsibility:**

Asst Prof Weerapong Phumratanaprapin  
Department of Clinical Tropical Medicine, Faculty of Tropical Medicine, Mahidol University