

Course syllabus

TMCD532 Travel Medicine II

1. **Institute** Mahidol University
- Faculty/Department** Faculty of Tropical Medicine, Department of Clinical Tropical Medicine
2. **Course Name:**
 - a. **Course Code:** TMCD 532
 - b. **Course Title:** Travel Medicine II
3. **Number of credits:** 2 (2-0-4)
4. **Programme use:** Graduate Diploma Programme in Tropical Medicine and Hygiene
Master of Clinical Tropical Medicine
5. **Prerequisite:** None
6. **Type of Course:** Elective subject
7. **Condition: class size:** maximum 30
8. **Session/Academics year:** The first semester of each academic year

9. **Course description:**

Pre-travel counselling, travel-related diseases prevention, travellers' malaria, and travellers' diarrhoea, water purification for travellers, international health regulation, underwater hazards, vaccination and care of returned travellers.

10. **Course expected learning outcomes:**

The students should be able to

- 1) Approach travellers who request for pre-travel counselling and generate sound preventive measure including vaccine recommendation
- 2) Describe common and important travel-related diseases
- 3) Plan for the investigations, treatment and generate the proper advice for the patient with travel-related diseases.

10. Course outline and constructive alignment

| Day | Title | Hours | | | Instructor | Course Learning Outcome | Programme ELOs | Learning Activities | Assessment |
|-----|--|---------|-----|------------|---|-------------------------|----------------|--|-----------------------------------|
| | | Lecture | Lab | Self-study | | | | | |
| 1 | Principle of vaccine usage in travelers | 3 | 0 | 6 | Prof Terapong Assoc Prof Pornthep Dr Watcharapong | 1 | 2.1,3.1,3.5 | PowerPoint presentation, Discussion | Attendance, Student participation |
| 2 | Travellers' malaria | 2 | 0 | 4 | Prof Polrat/Assist Prof Udomsak Dr Watcharapong | 2,3 | 2.1,3.1,3.5 | PowerPoint presentation, Case Discussion, Q&A | Student participation Discussion |
| 3 | Underwater Hazard | 1 | 0 | 2 | Dr Thanasawat/ Dr Watcharapong | 2,3 | 2.1,3.1,3.5 | PowerPoint presentation, Case Discussion, Q&A | Student participation Discussion |
| 4 | High altitude medicine | 3 | 0 | 6 | Dr Watcharapong | 1,2,3 | 2.1,3.1,3.5 | PowerPoint presentation, Case Discussion, Q&A | Student participation Discussion |
| 5 | Malaria prevention and prophylaxis | 2 | 0 | 4 | Dr Watcharapong Assist Prof Viravarn | 1 | 2.1,3.1,3.5 | PowerPoint presentation, discussion, workshop | Student participation Discussion |
| 6 | Travellers' diarrhoea | 2 | 0 | 4 | Dr Watcharapong/Dr Chatporn Assist Prof Teera | 1,2,3 | 2.1,3.1,3.5 | PowerPoint presentation, discussion | Student participation Discussion |
| 7 | Water purification for travellers | 1 | 0 | 2 | Dr Watcharapong/Dr Chatporn Assist Prof Teera | 1,2,3 | 2.1,3.1,3.5 | Practice and Workshop | Student participation Discussion |
| 8 | Post-travel Care | 2 | 0 | 4 | Dr Watcharapong Dr Chatporn | 1,2,3 | 2.1,3.1,3.5 | PowerPoint presentation, Case Discussion, Q&A | Student participation Discussion |
| 9 | International Health control and visit Port health control | 2 | 0 | 4 | Dr Waraluk/Dr Watcharapong/ Dr Chatporn | 1,2,3 | 2.1,3.1,3.5 | Site visit, PowerPoint presentation, Discussion, Q&A | Attendance, Student participation |
| 10 | Economy class syndrome | 2 | 0 | 4 | Dr Supat | 1 | 2.1,3.1,3.5 | PowerPoint presentation, Case Discussion | Student participation Discussion |
| 11 | Impact to host country | 2 | 0 | 4 | Dr Ramesh | 1 | 2.1,3.1,3.5 | PowerPoint presentation, Case Discussion | Student participation Discussion |

| Day | Title | Hours | | | Instructor | Course Learning Outcome | Programme ELOs | Learning Activities | Assessment |
|-----|--|-----------|----------|------------|-----------------|-------------------------|----------------|---|---|
| | | Lecture | Lab | Self-study | | | | | |
| 12 | How to run a travel clinic | 1 | 0 | 2 | Dr Watcharapong | 1,2,3 | 2.1,3.1,3.5 | Site visit, discussion, Q&A | Attendance, student participation, discussion |
| 13 | Culture shock and culture adaptation in travellers | 2 | 0 | 4 | Dr Ramesh | 1,2,3 | 2.1,3.1,3.5 | PowerPoint presentation, Case Discussion, Q&A | Student participation Discussion |
| 14 | Seminar | 3 | 0 | 6 | All lecturers | 1,2,3 | 2.1,3.1,3.5 | Group presentation, Discussion, Q&A | Group presentation, attendance, discussion |
| | Total | 30 | 0 | 60 | | | | | |

11. Teaching and Learning Activities

Bangkok School of Tropical Medicine: lecture, workshop, discussion and seminar

Travel Medicine Clinic of Hospital for Tropical Diseases: Site visit, discussion, role play

Port Health Control at Suvarnabhumi airport: site visit, discussion

12. Teaching media

PowerPoint presentation

Discussion

Workshop: Malaria rapid diagnostic test, water purification tools

13. Course achievement and evaluation

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| ¹ Attendance of academic activity | 10% |
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| Participation and discussion during academic activity | 30% |
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| Group presentation and discussion in Seminar session | 60% |
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Note¹ Students must attend at least 80% of all activities.

14. Course evaluation

Discussion and comments session at the end of the course

Questionnaire for contentment and suggestion for the course

15. References

15.1 Keystone JS, Kozarsky PE, Freedman DO, et al. Travel Medicine 3rd edition 2012. Mosby Elsevier, Philadelphia, USA.

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

15.3 World Health Organization. International travel and health 2009. WHO Press, Genève, Switzerland. Available at www.who.int/ith.

15.4 Center 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.

16. Instructors:

Prof Polrat Wilairatana

Assist Prof Udomsak Silachamroon

Assist Prof Teera Kusolsuk

Assist Prof Supat Chamnanchanunt

Asst Prof Viravarn Luvira

Dr Watcharapong Piyaphanee

Dr Chatporn Kittitrakul

Prof Terapong Tantawichian

Assoc Prof Pornthep Chanthavanich

Dr Waraluk Tankanakul

Dr Ramesh Boonratana

Dr Thanasawat Chaikul

17. Course responsibility:

Dr Watcharapong Piyaphanee

Department of Clinical Tropical Medicine, Faculty of Tropical Medicine, Mahidol University