

## Course syllabus

### TMCD504 Clinical Apprenticeship

#### 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 504
  - b. **Course Title:** Clinical Apprenticeship
3. **Number of credits:** 6 (3-6-9)
4. **Programme use:** Master of Clinical Tropical Medicine
5. **Prerequisite:** None
6. **Type of Course:** Core subject
7. **Condition: class size:** maximum 25
8. **Session/Academics year:** The second semester of each academic year
9. **Course description:**

Daily ward round and clerkship under supervision of ward staff including a guide to holistic approach and monitoring in-patients with tropical diseases and bedside teaching of history taking, physical examination, diagnosis and differential diagnoses, laboratory interpretation and planning of proper management

#### 10. Course expected learning outcomes:

The students should be able to

1. Practice the history taking and perform physical examination essential for patients with tropical diseases
2. Approach patient's problems and make differential diagnosis of tropical diseases
3. Planning for appropriate investigation for tropical diseases
4. Planning for appropriate management and prevention of common tropical diseases
5. Develop and apply code of conduct in medical professionalism and reflect ethical consideration on patient care

#### 11. Course outline and constructive alignment

Week	Title	Hours			Instructor	Course Learning Outcome	Programme ELOs	Learning Activities	Assessment
		Lecture	Lab	Self-study					
1-15	Bed side teaching	45	90	135	All Department Staff (M.D.)	1,2,3,4,5	1.1,1.2,3.1,3.5,4.1,4.2	Bed side teaching, Case discussion, Q&A	Attendant Discussion using Rubric assessment Scale
	<b>Total</b>	<b>45</b>	<b>90</b>	<b>135</b>					

**12. Teaching and Learning Activities**

Bed side teaching, case discussion, Q&A

**13. Teaching media**

Patient cases

Discussion

**14. Course achievement and evaluation**

Attend bed side teaching activities <sup>1</sup>	4%
Practice approaching cases <sup>2</sup>	36%
Objective structured clinical examination (OSCE)	30%
Long case examination <sup>3</sup>	30%

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

Note<sup>2,3</sup> Evaluations using online rubric scale for ward round and long case examination, respectively

The students can see their updated score every week.

**15. Course evaluation**

Discussion and comments session at the end of the course

Questionnaire for contentment and suggestion for the course

**16. References**

1. Barratt A, Irwig L, Glasziou P, Cumming RG, Raffle A, Hicks N, et al. Users' guides to the medical literature: XVII. How to use guidelines and recommendations about screening. Evidence-Based Medicine Working Group. *JAMA* 1999;281(21):2029-34.
2. Hunt DL, Jaeschke R, McKibbin KA. Users' guides to the medical literature: XXI. Using electronic health information resources in evidence-based practice. Evidence-Based Medicine Working Group. *JAMA* 2000;283(14):1875-9.
3. McAlister FA, Straus SE, Guyatt GH, Haynes RB. Users' guides to the medical literature: XX. Integrating research evidence with the care of the individual patient. Evidence-Based Medicine Working Group. *JAMA* 2000;283(21):2829-36.
4. Hunt DL, McKibbin KA. Locating and appraising systematic reviews. *Ann Intern Med* 1997;126:532-8.
5. Guyatt GL, Rennie D. *Users' Guides to the Medical Literature: A Manual for Evidence-Based Clinical Practice*. Chicago: American Medical Association, 2001.

**17. Instructors:**

All medical staff of Department of Clinical Tropical Medicine, Faculty of Tropical Medicine, Mahidol University

**18. Course responsibility:**

Assoc Prof Vipa Thanachartwet

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

TMCD 504 & TMCD 526: Ward Round  
Evaluation Form



Lecturer \_\_\_\_\_

Date \_\_\_/\_\_\_/\_\_\_

Student Name: \_\_\_\_\_

(Total score \_\_\_\_\_)

1. Knowledge

ALL incorrect	FEW correct	SOME correct	MOST correct	ALL correct
(0 mark)	(15 marks)	(30 marks)	(45 marks)	(60 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Attitude

NO participation	NOT enthusiasm	SOME enthusiasm	Enthusiasm
(0 mark)	(10 marks)	(20 marks)	(30 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Punctuation

Late more than 15 min or absent	Late 1-15 min	On time
(0 mark)	(5 marks)	(10 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

TMCD 504 & TMCD 526  
Long case examination



Examiner \_\_\_\_\_

Date \_\_\_/\_\_\_/\_\_\_

Student Name: \_\_\_\_\_ (Total score \_\_\_\_\_)

I. History taking (40 marks) (History taking score \_\_\_\_\_)

1.1 Chief complaint

Few information	Some information	Moderate information	Most information	Complete information
(1 mark)	(2 marks)	(3 marks)	(4 marks)	(5 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1.2 Present illness

Few information	Some information	Moderate information	Most information	Complete information
(1 mark)	(2 marks)	(3 marks)	(4 marks)	(5 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1.3 Past medical history

Few information	Some information	Moderate information	Most information	Complete information
(1 mark)	(2 marks)	(3 marks)	(4 marks)	(5 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1.4 Other history (1 mark each)

Checklist	Not ask (0 mark)	Ask (1 mark)
Current Medication	<input type="checkbox"/>	<input type="checkbox"/>
Allergies to drug/foods	<input type="checkbox"/>	<input type="checkbox"/>
Household/workplace illness	<input type="checkbox"/>	<input type="checkbox"/>
Vaccination/chemo-prophylaxis	<input type="checkbox"/>	<input type="checkbox"/>
Drug/substance abuse	<input type="checkbox"/>	<input type="checkbox"/>

1.5 Exposure (2 marks each)

Checklist	Not ask (0 mark)	Ask (2 marks)
Pet/animals	<input type="checkbox"/>	<input type="checkbox"/>
Casual sex/unsafe sex	<input type="checkbox"/>	<input type="checkbox"/>
Occupation/hobbies	<input type="checkbox"/>	<input type="checkbox"/>
Hometown/travel	<input type="checkbox"/>	<input type="checkbox"/>
Food/drink habits	<input type="checkbox"/>	<input type="checkbox"/>

II. Physical examination [PE] (20 marks) (Physical examination score \_\_\_\_\_)

2.1 Important signs

Not evaluate/inaccurate	Inadequate evaluation/mostly inaccurate	Some evaluation/somewhat accurate	Adequate evaluation/mostly accurate	Complete evaluation/all accurate
(2 marks)	(4 marks)	(6 marks)	(8 marks)	(10 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.2 Related organs

Not evaluate/inaccurate	Inadequate evaluation/mostly inaccurate	Some evaluation/somewhat accurate	Adequate evaluation/mostly accurate	Complete evaluation/all accurate
(1 mark)	(2 marks)	(3 marks)	(4 marks)	(5 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.3 PE skills

Poor	Fair	Average	Good	Excellent
(1 mark)	(2 marks)	(3 marks)	(4 marks)	(5 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

III. Discussion (40 marks)

(Discussion score\_\_\_\_)

3.1 Problem list/differential diagnosis

No list/not relevant	Inadequate list/least relevant	Nearly adequate list/some relevant	Adequate list/most relevant	Complete list/all relevant
(2 marks)	(4 marks)	(6 marks)	(8 marks)	(10 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3.2 Investigations and interpretations

No list/not relevant	Inadequate list/least relevant	Nearly adequate list/some relevant	Adequate list/most relevant	Complete list/all relevant
(2 marks)	(4 marks)	(6 marks)	(8 marks)	(10 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3.3 Management and specific treatment

No list/not relevant	Inadequate list/least relevant	Nearly adequate list/some relevant	Adequate list/most relevant	Complete list/all relevant
(2 marks)	(4 marks)	(6 marks)	(8 marks)	(10 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3.4 Prevention and control/ education/ counseling

No list/not relevant	Inadequate list/least relevant	Nearly adequate list/some relevant	Adequate list/most relevant	Complete list/all relevant
(2 marks)	(4 marks)	(6 marks)	(8 marks)	(10 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>