

## Course syllabus

### TMCD521 Literature Review

1. **Institute** Mahidol University  
**Faculty/Department** Faculty of Tropical Medicine, Department of Clinical Tropical Medicine
2. **Course Name:**
  - a. **Course Code:** TMCD 521
  - b. **Course Title:** Literature Review
3. **Number of credits:** 2 (0-4-2)
4. **Programme use:** Master of Clinical Tropical Medicine
5. **Prerequisite:** None
6. **Type of Course:** Elective subject
7. **Condition: class size:** maximum 25
8. **Session/Academics year:** The second semester of each academic year
9. **Course description:**

Demonstration of how to review related scientific literature for setting topic review in company with assignment of related research topics with up-to-date information or state of the art in management of common or interesting tropical diseases to every student for practice
10. **Course expected learning outcomes:**

The students should be able to

  - 1) Criticize the international literatures in research methodology, good clinical practice and ethical consideration
  - 2) Appraise the statistical analysis and the result of clinical research according to the standard guidelines
  - 3) Summarize the clinical research and generate the standard scientific presentation using proper presentation tools and presentation skill
  - 4) Evaluate the value of the clinical research in the view of the applicability and the limitation of the result
  - 5) Compose the literature reviews in tropical diseases by using standard guidelines and evidence-based summary
  - 6) Integrate process of critical appraisal and literature reviews in lifelong learning in tropical diseases

## 11. Course outline and constructive alignment

Day	Title	Hours			Instructor	Course Learning Outcome	Programme ELOs	Learning Activities	Assessment
		Lecture	Lab	Self-study					
1	Demonstration of Literature Review	0	4	2	Dr Wirongrong	1,2,3,4,6	2.2,3.4	Lecture Demonstration	Attendant
2	Literature Review 1-14	0	56	28	All Department Staff	1,2,3,4,5,6	1.1,1.2,2.2,3.3,3.4,3.5,4.1,4.2,5.2	Presentation, Discussion Criticize clinical research Q&A	Attendant/Presentation/Discussion: Using Rubric assessment score
	<b>Total</b>	<b>0</b>	<b>60</b>	<b>30</b>					

**12. Teaching and Learning Activities**

- Lecture and demonstration on literature review
- Assign literature review for each student
- Search literature by using appropriate information technology
- Literature review presentation and discussion

**13. Teaching media**

- PowerPoint presentation
- Internet
- Discussion

**14. Course achievement and evaluation**

Attend lecture, literature review <sup>1</sup>	10%
Discussion on literature review <sup>2</sup>	30%
Presentation on literature review <sup>2</sup>	60%

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

Note<sup>2</sup> Evaluations using online rubric scale for literature review

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:**

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

Staffs of Department of Tropical Paediatrics, Faculty of Tropical Medicine, Mahidol University

**18. Course responsibility:**

Dr Wirongrong Chierakul

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

**TMCD 521: Literature Review  
Evaluation Form**



Lecturer \_\_\_\_\_

Role  Supervisor  Commentators  Staff attendants

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

Presenter: \_\_\_\_\_ (Total score \_\_\_\_\_)

**I. Information (Information score \_\_\_\_\_)**

**1.1 Organization of data**

POORLY organized/very difficult to follow	FEWLY organized/difficult to follow	ADEQUATELY organized/fair to follow	MOSTLY organized/easy to follow	VERY WELL organized/very easy to follow
(1 mark)	(2 marks)	(4 marks)	(6 marks)	(8 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**1.2 Accuracy**

LEAST accurate	SLIGHTLY accurate	ADEQUATELY accurate	MOSTLY accurate	ALL accurate
(1 mark)	(2 marks)	(4 marks)	(6 marks)	(8 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**1.3 Up-to-date references**

ALL Out-of-date	FEW Up-to-date	FAIRLY Up-to-date	MOSTLY Up-to-date	ALL Up-to-date
(1 mark)	(2 marks)	(4 marks)	(6 marks)	(8 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**1.4 Level of detail in each article**

Zero	FEW	ADEQUATE	MOST	ALL
(1 mark)	(2 marks)	(4 marks)	(6 marks)	(8 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**1.5 Discussions and Conclusions**

INACCURATE/no conclusion	FEW accurate/incomplete	FAIRLY accurate/complete	MOSTLY accurate/complete	ALL accurate/complete
(1 mark)	(2 marks)	(4 marks)	(6 marks)	(8 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**II. Review scope (Review scope score \_\_\_\_\_)**

**2.1 Completeness of information**

COMPLETELY FRAGMENTED	FEW in order	ADEQUATELY in order	MOSTLY in order	ALL in order
(1 mark)	(3 marks)	(5 marks)	(7 marks)	(9 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**2.2 Highlight agreements and disagreements**

FAIL to highlight	FEW highlight	ADEQUATE highlight	MOSTLY highlighted	COMPLETE highlight
(1 mark)	(3 marks)	(5 marks)	(7 marks)	(9 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**2.3 Show relationships**

NO relation	FEW relations	ADEQUATE relations	MOST relations	COMPLETE relations
(1 mark)	(3 marks)	(5 marks)	(7 marks)	(9 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**2.4 Identify the unanswered questions or gap**

FAIL to identify	FEW	ADEQUATE	MOSTLY	COMPLETELY
(1 mark)	(3 marks)	(5 marks)	(7 marks)	(9 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**III. Preparedness and presentation (Preparedness and presentation score \_\_\_\_)**

**3.1 Quality of slide presentation materials**

Inappropriate/very difficult to read	Inconsistent/difficult to read	Fairly consistent/OK to read	Mostly consistent/easy to read	All consistent/appropriate perfect to read
(0 mark)	(1 mark)	(2 marks)	(3 marks)	(4 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**3.2 Response to questions (manner, conflict management, etc.)**

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

**3.3 Speaking style**

ALL unclear/hardly heard	MOST unclear/poorly heard	SOME unclear/fairly heard	FEW unclear/easily heard	Loud and clear
(0 mark)	(1 mark)	(2 marks)	(3 marks)	(4 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**3.4 Distracted actions (Uhs, Uhms, hand movement, etc.)**

THROUGHOUT	MOSTLY	SOMETIMES	FEW	NO
(0 mark)	(1 mark)	(2 marks)	(3 marks)	(4 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**3.5 Eye contact**

NO/read slides	FEW	SOMETIMES	MOSTLY	THROUGHOUT
(0 mark)	(1 mark)	(2 marks)	(3 marks)	(4 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**3.6 Timing**

More than 40 minutes	36-40 minutes	31-35 minutes	WITHIN 30 minutes
(1 mark)	(2 marks)	(3 marks)	(4 marks)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>