

**SCBM 346**  
**Tropical Infectious Diseases**  
**and controls**

**Academic Year 2017**

**Department of Pathobiology**  
**Faculty of Science**  
**Mahidol University**

## Course Syllabus

**(Lecture-Lab-Self-study)**

**SCBM 346 Tropical Infectious Diseases  
and controls**

**2(2-0-4)**

Clinical tropical medicine, vector population biology and control, epidemiology, clinical management and control of current tropical pathogens including malaria, dengue, HIV, TB and fluke worm, environmental changes, socio-economic status and human behaviors to public health, modern techniques for high risk area mapping and tropical disease controls and travel medicine.

**Prerequisite** SCBM 341 General Pathology

**Type of Course** Required course

**Session** 2<sup>nd</sup> Semester, Third year student

**Course Condition** class size: None

### Course Objective

At the completion of the course, students should be able to:

1. Discuss the relationship between disease transmission and tropical infection diseases in tropical regions.
2. Discuss the relationship between public health and environmental changes, socio-economic status and human behaviors in tropical region and global transport.
3. Develop the attitude of active learning and be able to keep their standard of practice.
4. Prepare themselves before they come to the designated lectures.

## Course Outline

Date	Time	Topic		Instructor
17 Jan	9.00-12.00	Clinical tropical medicine	L1	SN
18 Jan	9.00-12.00	Vector population biology and control	L2	NK
19 Jan	9.00-12.00	Malaria: Epidemiology, clinical management and control	L3	NK
24 Jan	9.00-12.00	Dengue: Epidemiology, clinical management and control	L4	PC
25 Jan	9.00-12.00	HIV: Epidemiology, clinical management and control	L5	PC
26 Jan	9.00-12.00	TB: Epidemiology, clinical management and control	L6	SB
31 Jan	9.00-12.00	<b>Midterm Examination L1-L5</b>		
1 Feb	9.00-12.00	Environmental changes, socio-economic status and human behaviors to public health	L7	WJ
2 Feb	9.00-12.00	Modern techniques for high risk area mapping and tropical disease controls	L8	WP
7 Feb	9.00-12.00	Travel medicine	L9	WP
8 Feb	9.00-12.00	Fluke worm: Epidemiology, clinical management and control	L10	NK
14 Feb	9.00-12.00	<b>Final Examination L6-L10</b>	30 hr	

### Teaching Method

1. Lectures in class 30 hours

### Teaching Media

1. Class handouts, Power point presentation

### Measurement and Evaluation of Students Achievement

1. Discussion, Participation and Interactive performance 20 %
2. Written examination 80 %
3. Student Examination Grade = A, B+, B, C+, C, D+, D, F

## Course Evaluation

1. Students gain knowledge according to the course objectives.
2. Students give written course evaluation at the end of the course.
3. Evaluate students' satisfaction towards teaching and learning of the course using a questionnaire.
4. The lecturer will be notified with the result of the course evaluation from students to further improve the lecturing process.

## References

1. World Health Organization website: <http://www.who.int/en/> access on Dec 2016
2. Centers for Disease Control and Prevention website: <https://www.cdc.gov/> access on Dec 2016

## Instructors

1. NK = Niwat Kangwanrangsang, Ph.D.
2. PC = Pornthip Chaichompoo, Ph.D.
3. SB = Sebastian Punyaratabandhu Bhakdi, M.D.
4. SN = Somphong Narkpinit, M.D.
5. WJ = Wannee Jiraungkoorskul, Ph.D.
6. WP = Witchuda Payuhakrit, Ph.D.

## Coordinator

Pornthip Chaichompoo, Ph.D.

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## Requesting an appeal:

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2. Niwat Kangwanrangsang, Ph.D (Program Director)

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