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 2(2-0-4)
and controls

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 2nd Semester, Third year student

Course Condition class size: None

Course Objective
At the completion of the course, students should be able to:
1. Discussion 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

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

2. Centers for Disease Control and Prevention website: https://www.cdc.gov/ access on Dec 2016

Instructors

1. NK = Niwat Kangwanrangsan, 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

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Requesting an appeal:

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