

Course Syllabus

1. **Name of Curriculum** Bachelor of Science (Biological Science).
Faculty/Institute/College International College, Mahidol University
2. **Course Code** ICBI 403
Course Title Introduction to Tropical Medicine
3. **Number of Credits** 4(4-0-8) (Lecture / Lab./self-study)
4. **Prerequisite** ICBI 211
5. **Type of Course** Elective course
6. **Trimester / Academic year**
Second or Third Trimester of every academic year
7. **Course Condition**
Number of students is 20-30.

8. Course Description

Environmental factors in tropical countries which facilitate endemic diseases; geographical distribution and transmission of commonly found diseases caused by microbes, protozoa, and helminthes with special reference to Southeast Asia; non-infectious diseases existing in the region such as nutritional disorders, food poisoning, snake and other venomous bites and stings ; Prevention of the tropical diseases.

8. Course Objective

By the end of the course, students should be able to

- Explain about the factors that facilitate endemic diseases.
- Explain the distribution and transmission of diseases in tropical countries.
- Know the prevention of the tropical diseases.

10. Course Outline

week	Topics/Seminar	Hours			Instructor
		Lecture	Lab	Self-study	
1	Introduction and overview of tropical diseases	4	0	8	Pratap Singhasivanon
2	Febrile diseases, including malaria	4	0	8	Pratap Singhasivanon
3	Respiratory diseases, including tuberculosis	4	0	8	Pratap Singhasivanon
4	Sexually transmitted infections	4	0	8	Pratap Singhasivanon
5	Clinical Approach to Intestinal Parasitism	4	0	8	Pratap Singhasivanon
6	Midterm Exam	4	0	8	Pratap Singhasivanon
7	Systemic diseases	4	0	8	Pratap Singhasivanon
8	Skin disorders	4	0	8	Pratap Singhasivanon

9	Diarrheal Diseases	4	0	8	Pratap Singhasivanon
10	Nutritional disorders	4	0	8	Pratap Singhasivanon
11	Practical Public Health	4	0	8	Pratap Singhasivanon
Final Examination					
	Total	44	0	88	

11. Teaching Method (s)

1. Lecture
2. Suggested readings
3. Discussion in class

12. Teaching Media

1. Powerpoint Presentations
2. Texts and teaching materials

13. Measurement and Evaluation of Student Achievement

Student achievement is measured and evaluated by

13.1 The ability to explain about the factors that facilitate endemic diseases.

13.2 The ability to explain the distribution and transmission of diseases in tropical countries.

13.3 The ability to explain the prevention of the tropical diseases.

Student's achievement will be graded according to the college and university standard using the symbols: A, B+, B, C+, C, D+, D and F. Minimal passing level is 60%. Student who earns 85% up will have Grade A, 80-84% Grade B+, 75-79% Grade B, 70-74% Grade C+, 65-69% Grade C, 60-64% Grade D+, 55-59% D, less than 55 Grade F. Students must attend at least 80% of the total class hours of this course.

Ration of mark

Midterm Examination 40%

Final Examination 40%

Assignments and quizzes 20%

Total 100%

Range judges $\bar{X} \pm 2SD$ will be C⁺ - C

14. Course evaluation

14.1 Students' achievement as indicated in number 13 above.

14.2 Students' satisfaction towards teaching and learning of the course using questionnaires.

15. References

Peters, W. and Pasvol, G. Tropical medicine and parasitology. 5th Edition. USA. Mosby Co. 2002.

16. Instructors

Associate Professor Pratap Singhasivanon

17. Course Coordinator

Associate Professor Dr. Prayad Pokethitiyoke.