

Master of Science
Program in Tropical Medicine International Program
(Updated version, 2013)

1. **Degree Program** : Master of Science Program in Tropical Medicine
(International Program)

2. **Degree Offered** : Master of Science (Tropical Medicine)
M.Sc. (Tropical Medicine)

3. Responsible Department/Faculty

Faculty of Medicine, Khon Kaen University.

Graduate School, Khon kaen University.

4. Objectives :

The international program for M.Sc. in Tropical Medicine (Edited program, 2013) aims to produce M.Sc. graduates who have the following features.

(1) An understanding deeply in the fields of Medical Biochemistry and Molecular Biology for applying new knowledge to conduct a research or to work in international level.

(2) The ability to conduct a research or to manage an academic project that leads to the development of knowledge or innovation in Medical Biochemistry and Molecular Biology and related fields.

(3) The ability to think critically, analyze, synthesize, communicate, use computers and information technology as well as manage with modern technology that leads to the development of knowledge and use in international level.

(4) Moral, ethics, integrity in academic work, leadership in promoting the spiritual, moral and ethical conduct, academic and professional ethics, and interpersonal skills and responsibility.

5. Curriculum

5.1 Total Credit Hours

Total Credit hours for Type A 1 Program not less than 36 Credits

Total Credit hours for Type A 2 Program not less than 36 Credits

5.2 Program Structures

	Number Credits	
	Type A 1	Type A 2
1) Compulsory courses	2 (non credits)	8
2) Elective courses	-	16
3) Dissertation	36	12
Total	36	36

6. Courses

6.1 Compulsory courses:

Type 1.1 Program (Non Credits)

*359 891	Seminar in Tropical Medicine I	1(1-0-2)
*359 892	Seminar in Tropical Medicine II	1(1-0-2)

Type 1.2 Program

*359 701	Tropical Medicine	3(3-0-6)
*356 714	Medical Science Research Methodology	3(2-3-6)
*359 891	Seminar in Tropical Medicine I	1(1-0-2)
*359 892	Seminar in Tropical Medicine II	1(1-0-2)

6.2 Elective courses :

Type 1.1 Program : None

Type 1.2 Program : Not less than 16 Credits

Students can choose the courses according to the permission of the Program Executive Committee as listed below or some additional courses in related graduate levels with the permission of the Program Executive Committee.

356 712	Cells and Molecular Biology	3(3-0-6)
356 713	Laboratory Techniques in Medical Sciences	2(0-6-3)

*359 710	Advanced Tropical Medicine	1(1-0-2)
*359 711	Tropical Disease Control	2(2-0-4)
362 712	Infection and Immunity I	2(2-0-4)
362 713	Infection and Immunity II	4(4-0-8)
363 711	Medical Nutrition	2(2-0-4)
363 715	Biochemistry and Molecular Biology of Cancer	2(2-0-4)
363 718	Principles and Techniques in Molecular Biology	1(1-0-2)
364 701	Medical Parasitology	4(3-3-8)
364 711	Medical Entomology	2(1-3-4)
364 712	Medical Malacology	2(1-3-4)
364 716	Immunology of Parasitic Infections	2(2-0-4)
*365 743	Tropical Pathology	2(2-0-4)
*366 743	Principle of Medicinal Plant Development and Pharmacological Testing	3(2-3-5)
*366 744	Natural Products in Medicine	2(2-0-4)
*366 745	Clinical Pharmacology in Tropical Medicine I	3(3-0-6)
374 745	Community Epidemiology	2(1-3-4)
*379 794	Clinical Tropical Infectious Diseases	3(3-0-6)
381 703	Health Systems Management	3(3-0-6)

6.3 Dissertation

Type 1.1 Program :

*359 898	Thesis	36 Credits
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Type 1.2 Program :

*359 899	Thesis	12 Credits
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7. Class Schedule

Plan for Type A 1

Course	Year 1,First semester	Credits
Code	Course Name	Type A 1
*359 898	Thesis	9
	Total Credits registered	9
	Sum of the credits	9

Course	Year 1 ,Second semester	Credits
Code	Course Name	Type A 1
*359 891	Seminar in Tropical Medicine I	1(1-0-2)
*359 898	Thesis	9
	Total Credits registered	9
	Sum of the credits	18

Course	Year 1,Second semester	Credits
Code	Course Name	Type A 1
*359 892	Seminar in Tropical Medicine II	1(1-0-2)
*359 898	Thesis	9
	Total Credits registered	9
	Sum of the credits	27

Course	Year 2,Second semester	Credits
Code	Course Name	Type A 1
*359 898	Thesis	9
	Total Credits registered	9
	Sum of the credits	36

Plan for Type A 2

Course	Year 1,First semester	Credits
Code	Course Name	Type A 2
*359 701	Tropical Medicine	3(3-0-6)
XXX XXX	Elective course	8
	Total Credits registered	11
	Sum of the credits	11

Course	Year 1,Second semester	Credits
Code	Course Name	Type A 2
*356 714	Medical Science Research Methodology	3(2-3-6)

*359 891	Seminar in Tropical Medicine I	1(1-0-2)
XXX XXX	Elective course	8
	Total Credits registered	12
	Sum of the credits	23

Course	Year 2,First semester	Credits
Code	Course Name	Type A 2
*359 892	Seminar in Tropical Medicine II	1(1-0-2)
*359 899	Thesis	8
	Total Credits registered	9
	Sum of the credits	32

Course	Year 2,second semester	Credits
Code	Course Name	Type A 2
*359 899	Thesis	4
	Total Credits registered	4
	Sum of the credits	36