



Mahidol University
Faculty of Tropical Medicine



Msc/PhD

2019 - 2020

Faculty of Tropical Medicine,
Mahidol University

420/6 Ratchawithi Rd., Ratchathewi,
Bangkok 10400, Thailand

Tel: 66 (0) 2306-9130
<http://www.tm.mahidol.ac.th/bstm/>

CONTACT US

Mahidol Bangkok School of Tropical Medicine,
3rd Floor, Chamlong Harinasuta Building
Faculty of Tropical Medicine, Mahidol University

E-mail

tmbstm@mahidol.ac.th

Master of Science in Tropical Medicine (International Program)

PROGRAM OBJECTIVES

- A high moral standard and ethics: Graduates will possess academic and professional ethics and be able to diagnose problems with moral and ethical principles and reasoning as well as be able to guide the others ethically.
- Ability to explain knowledge: Graduate will able to describe the core knowledge of Tropical Medicine.
- Knowledge and intellectual skills: Graduates will be knowledgeable of tropical diseases both theoretically and practically and be able to apply research techniques in exploring and presenting the knowledge related to tropical diseases. They will use existing information in effectively solving problems related to tropical diseases and be able to synthesize research results as well as plan and conduct their own research.
- Interpersonal relationship skills and responsibility: Graduates will understand the importance of being responsible for assigned tasks and be able to work with others well, both as the leader and as a member of the group.
- Analytical, communication and Information Technology skills: Graduates will be able to choose appropriate technology to clearly communicate information and present situations, problems or research results to the others in an informed and appropriate way.

AT A GLANCE



2-5 years



36 credits

Master of Science in Tropical Medicine (International Program)

LEARNING OUTCOMES

- Demonstrate moral and ethical manner in knowledge acquisition and application
- Describe comprehensive knowledge of important tropical diseases
- Conduct research using proper scientific methods and information technology
- Apply knowledge and skills in social science, epidemiology or diagnosis of etiologic agents of tropical diseases
- Facilitate either as leader or follower to complete assignments
- Select appropriate technique to effectively communicate problems/research based information related to tropical medicine to community

EDUCATIONAL FEE

- Educational Fee 15,400 B/year
- Education Service Fee 9,300 B
- Student Activities Fee 500 B
- Graduate Studies Fee 1,500 B
- Internet 600 B
- Health Insurance 3,500 B
- Research Supplies Fee 150,000 B

REQUIREMENT FOR GRADUATION

- Complete 36 credits
- More than 3.00 GPA
- Pass the English proficiency examination
- Complete 4 soft skills classes
- Pass oral thesis examination
- One publication or academic conference with proceeding



COURSE STRUCTURE



START

Registration
Announcement

Semester 1

You will learn
5 core courses
2 required courses

**The
1st
Year**

Semester 2

You can select
1 fields of study
2 elective courses

**The
2nd
Year**

Thesis

**The
3rd
Year**



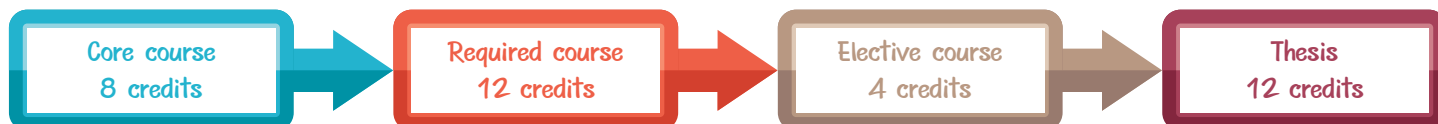
Thesis preparation
and submission

Graduated





Course



Core course and required course

Compulsory to take these course (12 credits)

Core course (20 Credits)

TMID 534

Cellular and Molecular Biology of Tropical Diseases

2 Credits



TMID 536

Host and Environmental Aspects of Tropical Diseases

2 Credits



TMID 537

Tropical Pathogens and Vectors

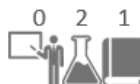
2 Credits



TMID 538

Field Practicum in Tropical Medicine

1 Credits



TMID 548

Epidemiological Concepts in Tropical Medicine

1 Credits



Required course (4 Credits)

TMID 513

Biostatistics

2 Credits



TMID 544

Research Methodology

2 Credits



You might need to know



Ethics



Soft skills

Lecture Laboratory Self-study





Course

Required course

1 fields of your choice (8 credits)

Clinical Tropical Medicine

TMCD 510

Parasitic Diseases

TMCD 511

Non-parasitic Diseases

TMCD 513

Principles of Clinical Research

TMCD 536

Clinical Laboratory Methods

Clinical Pharmacology

TMCD 514

Clinical Tropical Pharmacology

TMCD 515

Clinical Pharmacokinetics I

TMCD 516

Clinical Pharmacokinetics II

TMCD 517

Evaluation of Clinical Pharmacological Research

Epidemiology

TMHG 520

Advanced Epidemiology

TMHG 521

Intermediate Biostatistics

TMHG 522

Advanced Data Analysis in Epidemiology

TMSE 503

Social Epidemiology

Microbiology

TMMI 510

Medical Microbiology

TMMI 511

Immunology I

TMMI 513

Advanced Microbiology

TMMI 515

Practical Microbiology

Immunology

TMMI 510

Medical Microbiology

TMMI 511

Immunology I

TMMI 512

Immunology II

TMMI 516

Practical Immunology

Biochemical Nutrition

TMNU 506

Nutrition

TMNU 516

Nutritional Laboratory

TMNU 510

Biochemistry

TMSE 517

Advanced Biochemistry and Nutrition

Noted every subject = 2 credits





Course

Required course

1 fields of your choice (8 credits)

Tropical Pathology

TMPT 502

Microscopic Anatomy

TMPT 503

Physiology

TMPT 504

Pathology

TMPT 505

Pathology of Tropical Diseases

Parasitology and Medical Entomology

TMEN 513

Medical Entomology

TMHM 505

Medical Helminthology

TMID 516

Practical Parasitology

TMPZ 503

Medical Protozoology

Social Medicine

TMSE 502

Applied Social Sciences in Tropical Medicine

TMSE 503

Social Epidemiology

TMSE 504

Current Problems in Medical Social Sciences

TMSE 537

Principle of Social Medicine

Molecular Tropical Medicine

TMMO 508

Molecular Tropical Medicine and Genetics

TMMO 509

Molecular Tropical Medicine Seminar

TMMO 510

Laboratory Research in Molecular Biology

TMMO 511

Advanced Laboratory Research

Environmental Health and Toxicology

TMSE 524

Principles of Environmental Health and Toxicology

TMSE 525

Health Risk Assessment

TMSE 526

Analytical Techniques in
Environmental Health and Toxicology

TMSE 528

Environmental Management

Environmental Biotechnology

TMSE 529

Principle of Environmental Biotechnology

TMSE 538

Methods in Environmental Biotechnology

TMSE 531

Applied Biotechnology

TMSE 533

Advanced Biotechnology for Biological Product
Development and Tropical Disease Control





Course

Elective Course

At least 2 courses of your choice (4 credits)

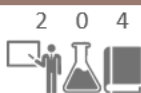
TMCD 518

Malaria



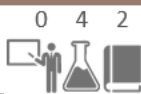
TMCD 519

AIDS



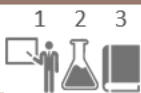
TMCD 520

Seminar in Clinical Tropical Pharmacology



TMEN 508

Practical Entomology



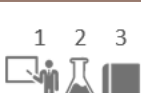
TMEN 516

Advanced Methods in Medical Entomology



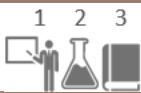
TMHG 516

Application of Geographical Information System (GIS) in Epidemiology of Tropical Diseases



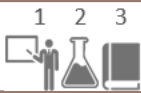
TMHG 517

Statistical Methods in Spatial Epidemiology



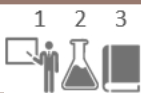
TMHG 518

Data Management and Presentations in Research



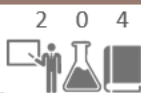
TMHM 507

Systematic Helminthology



TMID 515

Advanced Molecular Biology in Tropical Diseases



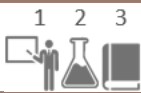
TMID 518

Advanced Parasitology



TMID 519

Experimental Techniques in Parasitology



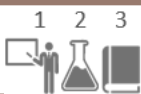
TMID 520

Molecular Biology of Parasites and Vector



TMMO 512

Bioinformatics for Tropical Medicine



TMMO 513

Proteomics and Metabolomics in Tropical Medicine



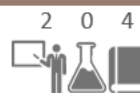
TMMO 514

Protein Chemistry and Enzymology in Tropical Medicine



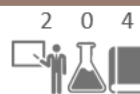
TMMI 514

Advanced Immunology



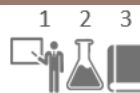
TMNU 508

Nutritional Epidemiology



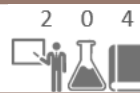
TMNU 512

Biochemical and Nutritional Instruments



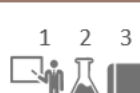
TMNU 513

Molecular Biology in Nutrition



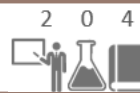
TMPT 506

Principles of the Electron Microscope



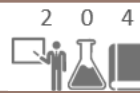
TMPT 507

Seminar in Pathology of Tropical Diseases I



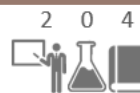
TMSE 501

Social Science Research Methodology



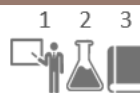
TMSE 532

Biotechnology Business



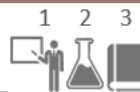
TMID 546

Practical Molecular Biology of Parasites and Vectors



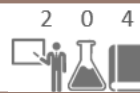
TMSE 523

Environmental Health Impact Assessment



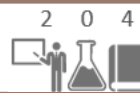
TMSE 534

System Dynamic of Environmental Health Management



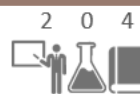
TMSE 535

Environmental Changes and Tropical Diseases



TMSE 536

Water Quality and Sanitation



Noted every subject = 2 credits





SCHOLARSHIPS

RESEARCH SUPPLY FEE

Degree: Master degree
How much: 20,000 B
Required: Pass proposal defend

Degree: Doctoral degree
How much: 40,000 B
Required: Pass proposal defend

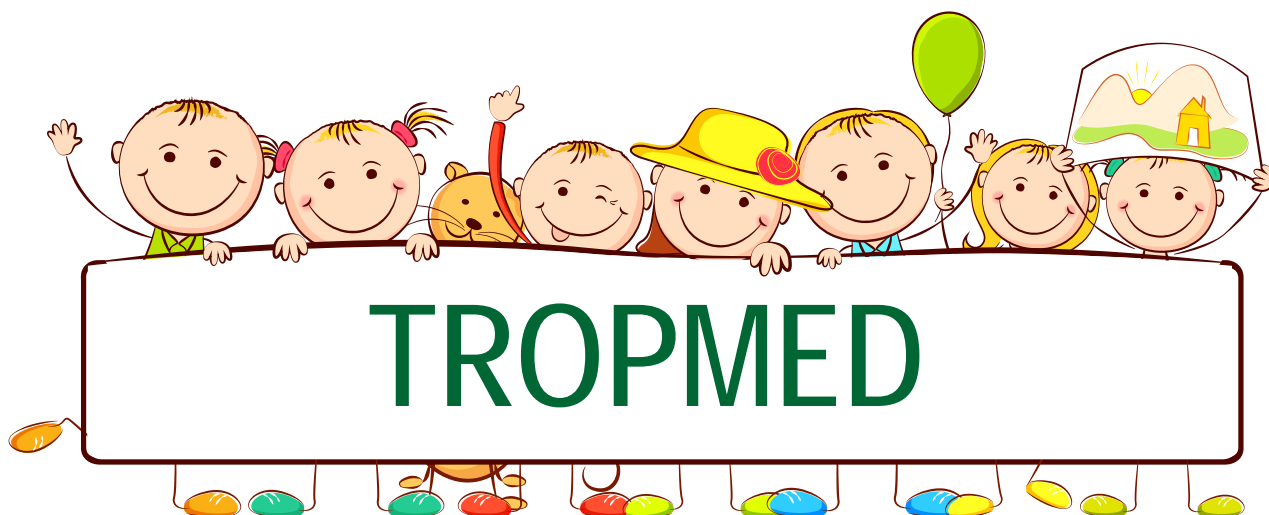
RESEARCH ASSISTANTSHIP

Degree: Master degree
How much: 240,000 B
Received: 10,000 B/month
Required: Pass English proficiency
More than 3.50 GPA
Pass proposal defend
Limited: 3 Scholarships

You might need to know

Please contact your advisor or the head of department for more information and how to apply for scholarship

Degree: Doctoral degree
How much: 60,000 B
Received: 10,000 B/month
Required: Pass English proficiency
More than 3.50 GPA
Pass proposal defend
Limited: 2 Scholarships





STUDENT'S LIFE



Library

Ratchawithi Campus Library

6th -7th Floor, Anekprasong Building

Stang Library

2nd-3rd Floor, Physics Building,
Faculty of Science

Website: <https://stang.sc.mahidol.ac.th/en/>



Lecture

3rd Floor, Chamlong Harinasuta Building

4th Floor, Chamlong Harinasuta Building

3rd Floor, Sornchai Looareesuwan Building



Laboratory

3rd Floor, Chamlong Harinasuta Building



Fitness

1st Floor, Chamlong Harinasuta Building



Internet

2nd Floor, Chamlong Harinasuta Building



Student Activity

5th Floor, Chamlong Harinasuta Building



Prayer

3rd Floor, Sornchai Looareesuwan Building

Staying & Living



University's Dorm

TropMed International House

Location: 10th-12th Floor, Chalermprakiat Building

Tel: 66 (0) 2354 9100 ext. 2119, 2120

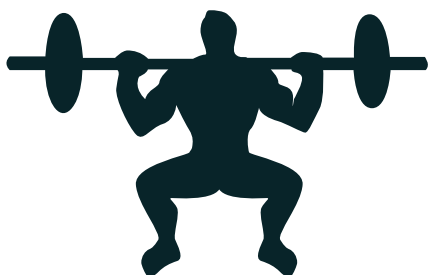
Fax: 66 (0) 2643 5607

Email:  tmhouse@mahidol.ac.th

Website:  <http://www.tm.mahidol.ac.th/inter-house/?q=index>

Facilities	Room type	Rate : Month	Remark
Cable TV, refrigerator, TV, air conditioning, telephone and hot water machine (hot shower)	Single	11,000 Baht	Excluding electricity
	Twin	14,000 Baht	
Cable TV, refrigerator, TV, air conditioning, telephone and hot water machine (hot shower)	Twin	20,000 Baht	Excluding electricity

Sports



Chalerm Prakiat Building

1st floor

Time: Mon-Fri

07.00 a.m. - 08.00 a.m.

12.00 p.m. - 01.00 p.m.

04.30 p.m. - 07.30 p.m.



Chalermprakiat Building

Top Floor



The Provost Marshal General Department

Time: every Tuesday and Wednesday

05.00 p.m. – 07.00 p.m.

Please contact BSTM staffs for more information

