

Post-Graduate Course

**DIPLOMA IN APPLIED PARASITOLOGY
AND
ENTOMOLOGY (DAP&E)**

**SEAMEO-TROPMED Regional Centre for
Microbiology, Parasitology & Entomology
Institute for Medical Research
Kuala Lumpur, MALAYSIA**

Institute for Medical Research

The Institute for Medical Research (IMR) established in 1900, is the research arm of the Ministry of Health, Malaysia. Its main function is to carry out research to identify, elucidate, control and prevent diseases and health issues prevalent in the country. IMR provides specialised diagnostic services, training in specialised fields and consultative and advisory services. SEAMEO TROPMED Network Malaysia is in IMR, it serves as the SEAMEO TROPMED Regional Center for Microbiology, Parasitology and Entomology. IMR also serves as the WHO Western Pacific Regional Centre for Research and Training in Tropical Diseases and Nutrition and WHO Collaborating Centre for Ecology, Taxonomy and Control of Vectors of Malaria, Filariasis and Dengue. It is also the WHO National focal point for Malaria, the Surveillance of Antibiotic Resistance in Western Pacific Region, the WHO National Influenza Centre and National Reference Centre for Polio Eradication.

SEAMEO-TROPMED Regional Centre for Microbiology, Parasitology & Entomology Institute for Medical Research, Kuala Lumpur, Malaysia

In line with the overall mission of SEAMEO, the role of SEAMEO TROPMED is to promote health and to prevent or control diseases, thus improving the living conditions of people in South and Southeast Asia through relevant programmes and services. As a NETWORK of three Regional Centres hosted by established academic and/or research institutions in Malaysia, the Philippines and Thailand, SEAMEO TROPMED serves to facilitate the strengthening of national and institutional capabilities in research and human resource development through various training and postgraduate degree programmes, linkages, personnel exchanges, scientific forums, technical consultant services, publication and information dissemination. SEAMEO TROPMED believe that a healthy and enlightened citizen is the basis of stable nationhood and, in turn, a wholesome global community.

DIPLOMA IN APPLIED PARASITOLOGY AND ENTOMOLGY

Duration : **5 months** from **August to December**

ENTRANCE REQUIREMENTS

Applicants must have a sufficiently good command of English to follow the Course held at a post-graduate level. They must possess at least a basic degree in biological sciences, health or medical field. Candidates should be medically fit.

OBJECTIVE

The Course is designed to train doctors, scientists and other health personnel for research, diagnostic services, control programmes and teaching institutions in Applied Parasitology and Entomology.

COURSE SYLLABUS

The Course consists of the following modules :

1. Effective Communication
2. Principles of Immunology
3. Principles of Molecular Biology
4. Biostatistics & Epidemiology
5. Insects of Medical Importance Including Field & Laboratory Techniques
6. Control of Vectors of Medical Importance
7. Medical Acarology
8. Arthropod-Borne Parasitic Diseases: Malaria
9. Arthropod-Borne Parasitic Diseases: Filariasis and blood flagellates
10. Arthropod-Borne Diseases: Parasitic Diseases Transmitted by Crustaceans
11. Food, Water and Soil-transmitted parasitic Diseases
12. Diagnostic Techniques in Parasitology
13. Research Project

ASSESSMENT OF CANDIDATE

There will be continuous assessment of the candidate through the Course.

At the end of groups of related modules, the candidates will be assessed. This contributes to 10% of the total marks.

Each candidates will be required to do a literature review assignment on recent advances in a particular topic, and present this to the class and faculty members. This contributes to 5% of the total marks.

A mid-term examination consisting of practical assessment contributes to 10% marks.

All candidates are required to conduct a small original research project which will contribute to 25% of the total marks.

The final examination consisting of both theory and practical assessments of the candidates will contribute to 50% of the total marks.

A successful candidate will be awarded the Diploma & Applied Parasitology and Entomology (D.A.P. & E.) of the SEAMEO-TROPMED Regional Centre for Microbiology, Parasitology & Entomology, Institute for Medical Research, Kuala Lumpur, Malaysia. A candidate who fails to obtain the pass mark but has satisfactorily completed the Courses, will be awarded a "Certificate of Attendance".

MODULAR COURSES

Participants may also apply to attend a particular module offered by the course. The participant will join the rest of the diploma course regular candidates, including practical sessions and field visits. The module offered and the chargeable fee are as listed in schedules. Upon satisfactory completion of the module, participants will be awarded a Certificates of Attendance. However, acceptance is subject to availability of seats.

DISCIPLINE

Candidates are expected to show good conduct. Failure to do this may result in the termination of candidature.

METHOD OF APPLICATION

1. FULL COURSE

a) Malaysian Technical Cooperation Programme (MTCP)

All applications must be made in a standard application form obtained from representatives (Embassy, High Commission, etc.) of the Malaysian Government in the respective countries. All applications must be endorsed by the applicant's government and be submitted through the Malaysian government's representative.

b) SEAMEO -TROPMED Programme

Applications must be made using SEAMEO-TROPMED fellowship forms obtainable from SEAMEO-TROPMED Secretariat, Faculty of Tropical Medicine, Mahidol University, 420/6 Rajvithi Road, Bangkok 10400, Thailand. Applications must be made through the applicant's government to the SEAMEO-TROPMED Secretariat in Bangkok. Applications are open to applicants from ASEAN member countries only.

c) World Health Organisation (WHO)

Applications must be made through the WHO Regional Office using specified WHO Fellowship forms.

d) Other sponsors and private candidates

Applications must be made through a standard application form obtainable from the Director, SEAMEO-TROPMED Regional Centre for Microbiology, Parasitology & Entomology, Institute for Medical Research, Jalan Pahang, 50588 Kuala Lumpur, Malaysia.

2. MODULAR COURSE

Interested candidate can write to Dean of the course to enquire :

Dean DAP&E, SEAMEO-TROPMED Regional Centre for Microbiology, Parasitology & Entomology, Institute for Medical Research, Jalan Pahang, 50588 Kuala Lumpur.

DEADLINE OF SUBMISSION

All applications forms must reach the SEAMEO-TROPMED Centre, Malaysia not later than **6 months** before the commencement of the Course .

FEES AND OTHER COSTS

1. DAP&E Full Course

Every participant is required to pay a course fee of RM 18,500.00 (per person) that should be paid in advance. Course fee should be paid directly to the “Director Institute for Medical Research”. However participant may join individual module and the fees are listed follows (exclusive of food and accomodation).

2. DAPE Modular Courses

Modular Courses offered at the School of Diploma in Applied Parasitology & Entomology (DAP&E). Number of candidates accepted is subject to the availability of seats. The fees and dates are subject to change without prior notice.

Module	Aprox. Duration	Tentative date	Proposed Fee (RM)
1. Effective Communication	1 week	August	675
2. Principles of Immunology	1 week	August	900
3. Principles of Molecular Biology	1 week	August	1350
4. Biostatistics & Epidemiology	2 weeks	August / September	2025
5. Insects of Medical Importance Including Field & Laboratory Techniques	3 weeks	September/ October	2700
6. Control of Vectors of Medical Importance	1 week	October	900
7. Medical Acarology	1 week	October	900
8. Arthropod-Borne Parasitic Diseases: Malaria	1 week	November	900
9. Arthropod-Borne Parasitic Diseases: Filariasis and blood flagellates	1 week	November	900
10. Arthropod-Borne Diseases: Parasitic Diseases Transmitted by Crustaceans	1 week	November	900
11. Food, Water and Soil-transmitted parasitic Diseases	1 week	November	675
12. Diagnostic Techniques in Parasitology	1 week	December	675
13. Fees for Research Project	20 week	Sept – Nov	5,000
TOTAL			18, 500

3. Accomodation

The Institute provides a limited number of hostel rooms on a twin-sharing, first come first serve basis at a minimal cost (RM 100.00 per person, per month). The room rate around Kuala Lumpur is about RM 200.00 – RM 300.00 per month. Apartment rental is about RM 450.00 – RM 800.00 per month depending on the location and facilities available.
(approximately RM 3.01 = 1 USD)

FURTHER ENQUIRIES

For further enquiries, prospective applicants can approach the respective official Malaysian representative or write to the following :

The Director,
Institute for Medical Research,
Jalan Pahang,
50588 Kuala Lumpur,
MALAYSIA

Cable : RESEARCH
Tel no.: 603-2616 2602
Fax no.: 603-2693 9335
E-mail : seameo@imr.gov.my
Webpage : www.imr.gov.my

Malaysian Technical Cooperation Programme (MTCP) Secretariat
Ministry of Foreign Affairs Malaysia,
Wisma Putra,
No. 1, Jalan Wisma Putra,
Precint 2, 62602 Putrajaya,
Malaysia

Telephone: 603-8887 4000
Fax: 603-8889 2936
E-mail: mtcp@kln.gov.my
Website: <http://mtcp.kln.gov.my/>