



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



DIPLOMA IN APPLIED PARASITOLOGY AND ENTOMOLOGY (DAP&E)

12 July -15 December 2017

INSTITUTE FOR MEDICAL RESEARCH (IMR)

The Institute for Medical Research (IMR) established in 1900, is the research arm of the Ministry of Health, Malaysia. Research programmes of the Institute are aligned with the health research priority areas and health needs of the country. The IMR undertakes research to advance scientific knowledge and understanding as well as to provide evidences for informed decision making and formulation of effective preventive and control programs and activities. Research is also carried out with the purpose of developing enabling technologies or products and identifying new biomarkers for use in the early detection and diagnosis of disease, monitoring of disease progression and targeted therapy. IMR also provides specialised diagnostic services, training in specialised field and consultative and advisory services.

**SEAMEO-TROPED REGIONAL CENTRE FOR
MICROBIOLOGY, PARASITOLOGY & ENTOMOLOGY**

In line with the overall mission of SEAMEO, the role of SEAMEO-TROPED 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. Together with two other Regional Centers in the NETWORK hosted by established academic and/or research institutions in the Philippines and Thailand, SEAMEO-TROPED 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-TROPED Network believes that, healthy and enlightened citizen is the basis of stable nationhood

OBJECTIVE OF DAP&E COURSE

This Course aim to provide an overview of the major parasitic diseases of man and their vectors. The training provided would enable the participants to:

- Understand, interpret and apply the basic epidemiological and statistical methods,
- Understanding of the biology and the life cycles of the major parasites and of their vectors or intermediate hosts,
- Identify (diagnosis) of the major parasites, vectors and intermediate hosts of some parasitic diseases using basic and molecular approaches,
- understanding the pathogenesis and pathology of the major parasitic diseases and the immune responses to these parasites,
- Appreciate the epidemiology of the major parasitic infections;
- Appreciate methods available for chemotherapy and control of the parasitic diseases,
- Comprehend methods used in the studying of medical entomology in the laboratory and in the field,
- Enable to conduct own research projects.

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.

ENTRANCE REQUIREMENT

Applicant must have:

- A sufficiently good command of English
- Basic degree in medical, biological or health sciences
- Working in the field of parasitology and entomology or related areas
- Should be between 26 to 46 years old at the closing date of the application
- Should be certified medically and physically fit to participate in this programme

COURSE MODULES

The Course consists of the following modules:

1. Effective Communication
2. Molecular Biology in Parasitic diseases
3. Hematology and Immunology
4. Biostatistics & Epidemiology
5. Insects of Medical Importance Including Field & Laboratory Techniques
6. Control of Vectors of Medical Importance
7. Acarology and Other Arthropod-Borne Diseases
8. Arthropod-Borne Nematode Diseases and Their Vectors
9. Arthropod-Borne Protozoan Diseases and Their Vectors
10. Other Protozoan Diseases
11. Soil Transmitted Helminthiasis and Other Nematode Diseases
12. Cestodes and Trematodes Diseases
13. Research Project

COURSE METHODOLOGY

Consist of Lectures, Demonstration, Hands-on laboratory practicals, field trips to collect samples and study visit, preparation of dissertation, conduct short research project, module test, mid term and final examination (consist of theory and practical assessment).

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 in Applied Parasitology and Entomology (DAP&E) of the SEAMEO-TROPED Regional Centre for Microbiology, Parasitology & Entomology, Institute for Medical Research, Kuala Lumpur, Malaysia. A candidate who fails to obtain the pass mark

COURSE VENUE

The course will be held at the SEAMEO-TROPED Regional Centre for Microbiology, Parasitology & Entomology, Institute for Medical Research (IMR), Kuala Lumpur, Malaysia.

ACCOMMODATION

The Institute does provide a limited number of hostel rooms (with basic facility and shared bathroom) on a twin-sharing basis. The male and the female rooms are located on a different wing of the Hostel. Candidates can look for their own accommodation if they wish to. Food is not provided at the hostel.

DRESS CODE OF THE COURSE

The dress code for attending lectures is smart casual. However short skirts, shorts, sleeveless dress/blouse and slippers are not allowed. For formal occasions (presentations and convocation), suit jacket and tie or national costume is required. Candidate must bring own lab coat for the use in practical class

COURSE FEE

1. DAP&E Full Course

Participants who received scholarship, the fees will be covered for. Self paying participants is required to pay a course fee of RM 18,500.00 per person (exclusive of food and accommodation). The fees should be paid in advance directly to the "Director Institute for Medical Research".

2. DAP&E Modular Courses

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

Module	Aprox. Duration	Tentative date	Fee (RM)
1. Effective Communication	1 week	July	675
2. Principles of Immunology	1 week	August	900
3. Principles of Molecular Biology	1 week	August	1350
4. Biostatistics & Epidemiology	2 weeks	August	2025
5. Insects of Medical Importance Including Field & Laboratory Techniques	3 weeks	August/September	2700
6. Control of Vectors of Medical Importance	1 week	September	900
7. Medical Acarology	2 weeks	October	900
8. Arthropod-Borne Nematode Diseases and Their Vectors	2 weeks	October	900
9. Arthropod-Borne Protozoan Diseases	1 week	November	900
10. Soil Transmitted Helminthiasis and Other Nematode Diseases	1 week	November	900
11. Other Protozoan Diseases	1 week	November	675
12. Diseases Course by Cestodes and Trematodes	1 week	November	675
13. Bench Fees for Research Project	20 week	August – November	5,000
TOTAL			18, 500

DEADLINE OF SUBMISSION

All application forms must reach the The Dean, Diploma in Applied Parasitology (DAP&E), SEAMEO-TROPMED Regional Centre for Microbiology, Parasitology & Entomology, c/o Institute for Medical Research, Kuala Lumpur, 50588, Malaysia not later than 1 June 2017.

Method of Application:

i) Full DAPE Course

a) 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.

b) 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, and Institute for Medical Research, Jalan Pahang, 50588 Kuala Lumpur, Malaysia.

ii) Modular Course

Applications must be to the Director, SEAMEO-TROPMED Regional Centre for Microbiology, Parasitology & Entomology, and Institute for Medical Research, Jalan Pahang, 50588 Kuala Lumpur, Malaysia.

Further Enquiries

For further enquiries, prospective applicants can communicate with the respective official **preferably** by email:

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

Tel no.: 603-2616 2602
Fax no.: 603-2693 9335
Email : seameo@imr.gov.my

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Dr. Rohani Ahmad,
The Dean,

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