

Course Description

Para 202 Medical Protozoology. The relationship of parasitic protozoa to their human host and his environment. Includes malariaology.

Para 203 Medical Helminthology. The relationship of parasitic helminths to their human host and his environment.

Para 204 Medical Entomology. Arthropods of medical and public health importance in the Philippines.

Para 205 Applied Medical and Public Health Entomology. Laboratory and field research methods employed in the study of arthropods of major importance. Includes species identification, vector capacitance and sampling methods.

Para 207 Immunology of Parasitic Infections. Immunologic principles and techniques applied to parasitic infections.

Para 208 Molecular Techniques in Parasitology. Theory and application of chemical, immunological and molecular biology techniques in experimental parasitology.

Para 209 Medical Malacology. The biology and ecology of medically important mollusks.

Para 210 Diagnostic Parasitology. Practicum in the diagnosis of parasitic infections.

Para 211 Advanced Systematics of Helminthes. Taxonomic and phylogenetic classification of helminthes using conventional and modern methods.

Para 212 Parasitic Zoonoses. Parasites of zoonotic importance.

Para 213 Ecology and Control of Major Arthropod Vectors. Taxonomy, biology, and control of vectors of malaria, filariasis, dengue/DHF, Japanese B encephalitis and other selected arthropods.

Para 297.1 Seminars in Parasitology I. Oral and written reports on advances in parasitology.

Para 297.2 Seminars in Parasitology II. Written and oral presentation of a review of advances in a certain topic in parasitology.

Para 299 Special Studies and Research. Research on a problem in parasitology. Time and credit to be arranged with adviser.

Para 300.1 and Para 300.2 **Masters' Thesis**

Biostat 201 Fundamentals of Biostatistics I. Collection, presentation and elementary analysis of data.

Biostat 202 Fundamentals of Biostatistics II. Further treatment of frequency distribution and sampling variation; least squares, correlation, linear and curvilinear regression.

Biostat 206 Research Methods I. Principles of field investigation; sampling methods in the study of health problems of human populations.

EH 202 Environmental Health Practice. Problems of water supply and waste disposal, milk and food sanitation, solid waste management, control of vectors of diseases, atmospheric pollution control, radiological health, housing and emergency sanitation. Practice is provided in conducting community sanitary surveys and inspection.

Epi 201 Principles of Epidemiology. Ecology of human diseases and epidemiologic methods.

Micro 201 Public Health Microbiology. The biology of pathogenic microbes (bacteria, rickettsiae, viruses and fungi); principles of parasitism; host-microbe interactions.

Faculty Profile

Professor

Vicente Y. Belizario, Jr., MD, MTMH

Arlene G. Bertuso, MSc, PhD

Pilarita T. Rivera, MD, PhD

Adjunct Professor

Lilian A. De Las Llagas, MScTM, PhD, LLB

Assistant Professor

Myra S. Mistica, MPH

Application forms may be obtained from and mailed/returned to:

**THE DIRECTOR
National Graduate Office for the Health Sciences**

Tel Nos.: (+632)526-5870, (+632)523-1495

Telefax: 523-1498

Email: upm-ngohs@up.edu.ph, ngohs@post.upm.edu.ph

Website: ngohs.upm.edu.ph

Further inquiries may be sent to:

**THE MSPH (PARASITOLOGY) PROGRAM COORDINATOR
College of Public Health**

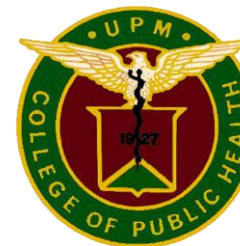
University of the Philippines Manila
625 Pedro Gil St., Ermita, Manila 1000 or
P.O. Box EA-460, Manila 1000 Philippines

Tel. No.: (+632)523-5929

Fax No.: (+632)521-1394

COLLEGE OF PUBLIC HEALTH
University of the Philippines Manila
The Health Sciences Center

Master of Science in
Public Health
(Parasitology)



SEAMEO TROPMED
Regional Centre for Public Health,
Hospital Administration,
Environmental and Occupational Health

Rationale and Objectives

The Master of Science in Public Health (Parasitology) is designed for students with primary interests in Parasitology. While students in the program take courses mainly in the Department of Parasitology, basic courses prescribed to all MSPH students are required to ensure adequate training in other sciences and discipline basic to public health and to provide students with a broader perspective of public health problems.

At the end of the program, the students should be able to:

1. Design, implement, and evaluate public health programs
2. Design, implement, and use research findings for policy development and institution building
3. Employ statistical techniques in analyzing and interpreting public health and medical data
4. Implement appropriate health promotion and education strategies in addressing public health issues
5. Practice inter-professional collaboration in public health service while adhering to professional, social, and ethical standards
6. Provide technical services related to parasitology;
7. Select appropriate laboratory procedures for the determination of parasitological diseases;
8. Effectively use Filipino and English communication skills in both oral and written form; and
9. Exemplify positive Filipino values (e.g. *damayan*, *bayanihan*, hospitality, compassion) in the conduct of public health practice.

General Information

- The academic year is divided into 2 semesters of 16 weeks each, and a short term with only 6 weeks
 - First semester : August - December
 - Second semester: January - May
 - Short term: June - July
- The medium of instruction is English.
- The usual academic load of full - time students is 12 - 15 units.
- The tuition fee is Php 990.00 per unit and the miscellaneous fees amount to approximately Php 1,360 per semester.
- International students must pay an Educational Development Fund of US \$ 500.00 (or US \$ 100.00 for residency) per semester.
- Application Fee : Php 300.00 for Filipinos
US \$ 30.00 for international students

* Fees subject to change without prior notice

Admission Requirements

1. Must fulfill the general admission requirements of the National Graduate Office of UP Manila.
2. Good scholastic record from any recognized institution of higher learning.
3. Must be graduates of approved schools of medicine and/or allied professions or have at least a baccalaureate degree in the biological sciences.
4. Approval of the applicant's qualification for graduate work in the MSPH (Biostatistics) by the faculty of the Department of Parasitology.

Graduation Requirements

1. Residence of at least on full academic year immediately prior to granting of the degree
2. Completion of a minimum of 40 units (6 units of core, 12 units of major, 6 units of other required courses, 10 units of electives/cognates)
3. General Weighted Average of "2.00" or better in major courses and in all courses taken provided there is no grade of "5.0" in any subject
4. Satisfactory completion and submission of 6 bound copies of a masters' thesis
5. Submission of publishable form of the masters' thesis

Residence Requirements and Time Limit

- Minimum residence required: 2 semesters and 1 short term
- Maximum residence rule (MRR): 5 calendar years including official leaves of absence
- If the MRR is exceeded, further extension of not more than 1 year shall be allowed subject to the recommendation of MSPH Program Committee and approval of the Chancellor

The Curriculum

| Core Courses | | 6 | Units |
|------------------------|--|----|-----------|
| Biostat 201 | Fundamentals of Biostatistics I | | 3 |
| Epi 201 | Principles of Epidemiology | | 3 |
| Major Courses | | 16 | |
| Para 201 | Public Health Parasitology | | 2 |
| Para 202 | Medical Protozoology | | 2 |
| Para 203 | Medical Helminthology | | 2 |
| Para 204 | Medical Entomology | | 2 |
| Para 207 | Immunology of Parasitic Infections | | 2 |
| Para 210 | Diagnostic Parasitology | | 2 |
| Para 211 | Advanced Systematics of Helminths | | 2 |
| Para 297.1 | Seminars in Parasitology I | | 1 |
| Para 297.2 | Seminars in Parasitology II | | 1 |
| Other Required Course | | 2 | |
| Biostat 206 | Research Methods I | | 2 |
| Electives ^a | | 6 | |
| Para 205 | Applied Medical and Public Health Entomology | | 2 |
| Para 208 | Molecular Techniques in Parasitology | | 2 |
| Para 209 | Medical Malacology | | 2 |
| Para 212 | Parasitic Zoonoses | | 2 |
| Para 213 | Ecology and Control of Major Arthropod Vectors | | 2 |
| Para 299 | Special Studies | | 2-4 |
| Cognates ^b | | 4 | |
| Biostat 202 | Fundamentals of Biostatistics II | | 2 |
| Micro 201 | Public Health Microbiology | | 2 |
| EH 202 | Environmental Health Practice | | 2 |
| Thesis | | 6 | |
| Para 300.1 | Masters' Thesis | | 6 |
| Para 300.2 | | | |
| TOTAL | | | 40 |

^aelective courses may be chosen from the list given above

^bother courses that are related to the field of specialization may be taken from other departments of CPH or any unit in UP