DOCTORATE OF PHILOSOPHY IN TROPICAL MEDICINE AND PARASITOLOGY

The mission of the PhD program is to provide an advanced doctoral-level academic degree and foundation in research methods and research training in Parasitology and Tropical Medicine.

PROGRAM COMPETENCIES

- Plan and carry out research projects on various aspects of tropical diseases in the community. Pertinent courses/activities: BIOS 6030, BIOS 6040; BIOS 7080, EPID 6030, EPID 7120, TRMD 6050, TRMD 6060, TRMD 6070, TRMD 6080, TRMD 6090, TRMD 6780, TRMD 7800, TRMD 7820, TRMD 7990, lab rotations, dissertation research.

- Plan, implement, and monitor programs for the control of tropical diseases in endemic areas. Pertinent courses/activities: BIOS 6030, BIOS 6040; BIOS 7080, GHSD 6240, EPID 6030, EPID 7120, TRMD 7990, dissertation research.

- Analyze the results of their own research, as well as the research of others as reported in the literature. Pertinent courses/activities: BIOS 6030, BIOS 6040; BIOS 7080, EPID 6030, EPID 7120, TRMD 7990, dissertation research.

- Communicate effectively in written and oral format the results and implications of research outcomes. Pertinent courses/activities: TRMD 7000, TRMD 7020, TRMD 7800, TRMD 7820, GHSD 6370, SPHL 9900, journal club, departmental and other invited seminars dissertation manuscripts.

- Direct an infectious disease diagnostic laboratory in a hospital, clinic or local, regional or national governmental health agency. Pertinent courses/activities: TRMD 6050, TRMD 6060, TRMD 6070, TRMD 6080, TRMD 6090, TRMD 6170, TRMD 6230, TRMD 6240, TRMD 6340, TRMD 6420, TRMD 6800, TRMD 7180, lab rotations.

- Train laboratory personnel in the detection and identification of parasites in clinical specimens, the diagnosis of other tropical infectious diseases and the methodology employed. Pertinent courses/activities: TRMD 6050, TRMD 6060, TRMD 6070, TRMD 6080, TRMD 6090, TRMD 6230, TRMD 6240, TRMD 6340, TRMD 7990, lab rotations, dissertation research.

- Train field workers in the techniques used for research projects and control programs. Pertinent courses/activities: TRMD 6050, TRMD 6060, TRMD 6070, TRMD 6080, TRMD 6090, TRMD 6230, TRMD 6240, TRMD 6340, lab rotations.

- Teach learned expertise, in both academic and professional meeting settings, to advanced students and peers. Pertinent courses/activities: TRMD 7000, TRMD 7020, TRMD 7800, TRMD 7820, journal club, departmental and other invited seminars.