MODEL COURSE SCHEDULE

YEAR 1

Laboratory rotations
Students are required to meet with various faculty members and discuss the prospect of undertaking laboratory rotations project. This will acquaint the student with the different research programs available in the department and assist the student in choosing a permanent dissertation advisor. In addition, by rotating through several laboratories, the student will obtain laboratory experience and training in specialized areas. Ideally, the laboratory rotations should begin during the first semester and continue through the summer until a permanent advisor is chosen. The student may register for Special Studies Research (TRMD 7990) in conjunction with a laboratory rotation and with the cooperation of the faculty member in whose laboratory/field site the rotation research is undertaken. The number of credits should be determined through consultation with the faculty member offering the laboratory rotation.

Fall semester

TRMD 6050 Medical Helminthology (3)
TRMD 6070 Medical Protozoology (3)
TRMD 6170 Immunology (3)
TRMD 7020 Parasitology Seminar (1)
SPHL 9900 Interdisciplinary Doctoral Seminar (1)
Electives and/or Special Studies, e.g. from course offerings in the fields of tropical medicine, biochemistry, genetics, microbiology, immunology, cell biology, epidemiology, etc. (1-5)

Total (11 - 15 credits)

Spring semester

TRMD 6060 Medical Entomology (3)
TRMD 6180 Immunoparasitology (3)
TRMD 6230 Methods in Cell Biology (3)
TRMD 7020 Parasitology Seminar (1)
TRMD 7820 Malaria (2)
SPHL 9900 Interdisciplinary Doctoral Seminar (1)
Electives and/or Special Studies, e.g. from course offerings in the fields of tropical medicine, biochemistry, genetics, microbiology, immunology, cell biology, epidemiology, etc. (1-3)

Total 13 - 15 credits
YEAR 2

**Fall Semester**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TRMD 7020</td>
<td>Parasitology Seminar</td>
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<tr>
<td>TRMD 6330</td>
<td>Microbial Diseases of the Tropics</td>
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<tr>
<td>TRMD 6800</td>
<td>Advanced Topics in Emerging Pathogens</td>
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<tr>
<td>EPI 6030</td>
<td>Epidemiological Methods</td>
<td>3</td>
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<td>BIOS 6030</td>
<td>Introductory Biostatistics</td>
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<td>GPHR 7180</td>
<td>Ethics (in Biomedical Research)</td>
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<td>SPHL 9900</td>
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Electives and/or Special Studies, e.g. from course offerings in the fields of tropical medicine, biochemistry, genetics, microbiology, immunology, cell biology, epidemiology etc. 1-3 credits

Total 13-15 credits

**Spring Semester**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TRMD 6420</td>
<td>Tropical Virology</td>
<td>3</td>
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<tr>
<td>TRMD 7020</td>
<td>Parasitology Seminar</td>
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<tr>
<td>TRMD 7110</td>
<td>Genomics of Disease Vectors</td>
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<td>TRMD 7800</td>
<td>Advanced Medical Entomology</td>
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<td>EPI 7810</td>
<td>Human Molecular Genetics</td>
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</tr>
<tr>
<td>SPHL 9900</td>
<td>Interdisciplinary Doctoral Seminar</td>
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</tbody>
</table>

Electives/ Special studies, e.g. GBCH 6010 Biochemistry; BIOS 7080*

Design and Analysis of Experiments, etc 1-4 credits

Total 12-15 credits

*BIOCS-6030 is pre-requisite for BIOS 7080.

**TRMD 7020 and SPHL 9900 may only be taken twice for credit, but should be attended every semester.

(A maximum of 12 only research credits, i.e. Special Studies, may be taken.)

Preliminary Comprehensive ([a] Written and [b] Oral) Exam

YEAR 3

**Development of Prospectus**

Prospectus Defense
Launch dissertation research project

YEARS 4, 5

**Dissertation research**

Draft the dissertation.
Dissertation defense