### PhD Curriculum Planning Sheet

**Department of Epidemiology**

**Concentration in Epidemiology**

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Term Available*</th>
<th>Credit Hours</th>
<th>Term &amp; Year Complete</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>BST 621: Statistical Methods I</td>
<td>C</td>
<td>3</td>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>BST 622: Statistical Methods II</td>
<td>C</td>
<td>3</td>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>EPI 704: Advanced Epidemiologic Methods</td>
<td>C</td>
<td>3</td>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>EPI 710: Analysis of Case-Control Studies</td>
<td>C</td>
<td>3</td>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>EPI 720: Analysis of Follow-Up Studies</td>
<td>C</td>
<td>3</td>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>GRD 717: Principles of Scientific Integrity</td>
<td>C</td>
<td>3</td>
<td>Fall</td>
<td>Register during second year of enrollment</td>
</tr>
<tr>
<td>PLH 690: Public Health Grant Writing Course</td>
<td>C</td>
<td>3</td>
<td>Fall</td>
<td>After first year</td>
</tr>
</tbody>
</table>

**At least one (1) additional doctoral-level Epidemiology course - Select from the following:**

- EPI 706: Epidemiology of Cardiovascular Diseases
- EPI 713: Cancer Epidemiology and Control
- EPI 721: HIV/AIDS and STDs
- EPI 731: Genetic Epidemiology and EPI 731L: Genetic EPI Lab (course offered during the odd calendar years)
- EPI 781: Special Topics in Epidemiology (check with student coordinator for course availability)
- EPI 788: Principles and Methods in Molecular Epidemiology

**At least two (2) advanced level Biostatistics course. Other course may be available in Biostats, with your advisor's approval. Please check the course catalog:**

- BST 623: General Linear Models
- BST 655: Categorical Data Analysis
- BST 656: Survival Analysis
- BST 660: Nonparametric Methods (offered on demand/as needed)
- BST 665: Applied Multivariate Analysis (offered on demand/as needed)
- BST 661: Structural Equation Modeling (offered on demand/as needed)
- BST 670: Sampling Methods (offered on demand by 25 students)
- BST 671: Meta Analysis (offered as needed)
- BST 723: Theory of Linear Models (Fall/odd years)
- BST 735: Advanced Inference (Spring/odd years)
- BST 740: Bayesian Analysis (Fall/even years)
- BST 750: Stochastic Modeling (offered as needed)
- BST 760: Generalized Linear and Mixed Models (Spring/even years)

**Area Course**: At least one (1) doctoral-level course in an area of medicine or in one of the major areas of PH other than EPI and BST must be taken. The following courses are acceptable. Other courses are available (check course catalog). Please consult with your advisor for approval and additional recommended courses.

- HCO 704: Health Economics and Health Policy
- GBS 727: Advanced Human Genomics
- GBS 757: Biology of Disease
- GBS 775: Molecular Basis of Disease

**Doctoral Seminars**: 4 Hours - EPI 790 must be taken at least two (2) times.

- EPI 790: Doctoral Seminar in Epidemiology
- EPI 790: Doctoral Seminar in Epidemiology

**Epidemiology Directed Research**: Minimum 12 hours

- EPI 798: Directed Research
- EPI 798: Directed Research

**Teaching Assistant (TA) Requirement**: Students must serve as a TA for at least one semester.

### Qualifying Exam

- Date of Qualifying Exam

### Date of Second Qualifying Exam

### Dissertation Proposal

### Date of Dissertation Proposal

### Epidemiology Dissertation Research**: Minimum of 12 hours over the course of at least 2 semesters in candidacy.

- EPI 799: Dissertation Research
- EPI 799: Dissertation Research

### Dissertation Defense

### Date of Dissertation Defense

Minimum Credit Hours Earned for Degree: 60

*Please note that course availability is subject to change.*