Welcome and Orientation
Fall 2022
Overview

Welcome (Dr. Stamey)

Statistical Consulting Center (Dr. Sturdivant)

Supplemental Instruction and Teacher of Record (Dr. Maddox)

Lunch break

Department Policies and Expectations (Dr. Harvill)

Library Resources (GL-58 with Christina Chan-Park)
1. Map through the Program (p. 6)
2. Concentrations (p. 7)
3. Program Evaluation (pp. 7-9)
   a) Course work
   b) Preliminary Exams and the PPP
   c) Dissertation
   d) Policy and Procedure for Dismissal
4. Graduate assistantships (pp. 12-18)
   a) Pay
   b) Insurance
   c) Supplemental Instruction & Teaching Assistants
   d) Teacher of Record
   e) Consulting Center
   f) Research Assistants
   g) Policy and Procedure for Dismissal
5. Department culture
# Map through Ph.D. Program

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Fall 1</th>
<th>Spring 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 5351</td>
<td>STA 5552</td>
<td>STA 5353</td>
</tr>
<tr>
<td></td>
<td>STA 5380</td>
<td>STA 5381</td>
</tr>
<tr>
<td></td>
<td>STA 6757</td>
<td>STA 6376</td>
</tr>
<tr>
<td></td>
<td>STA 5125 (1 hour)</td>
<td>STA 5285 (1 hour)</td>
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<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Fall 2</th>
<th>Spring 2</th>
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<tbody>
<tr>
<td>STA 5383</td>
<td>STA 5522</td>
<td>STA 5377</td>
</tr>
<tr>
<td>STA 5385</td>
<td>STA 5360</td>
<td>STA 5352</td>
</tr>
<tr>
<td></td>
<td>STA 651* (1 hour)</td>
<td>Elective hours</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Semester 3</th>
<th>Fall 3</th>
<th>Spring 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 6384</td>
<td>STA 6382*</td>
<td>STA 6360*</td>
</tr>
<tr>
<td>Elective hours</td>
<td>STA 6360*</td>
<td>STA 6365*</td>
</tr>
<tr>
<td></td>
<td>STA 5125 (1 hour)</td>
<td>STA 6V99 (2 or 3 hours)</td>
</tr>
</tbody>
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<tr>
<th>Semester 4</th>
<th>Fall 4</th>
<th>Spring 4</th>
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<tbody>
<tr>
<td>STA 6V99 (2 or 3 hours)</td>
<td>STA 6V99 (2 or 3 hours)</td>
<td>STA 6V99 (2 or 3 hours)</td>
</tr>
</tbody>
</table>

Students must complete 75 hours: 27 core curriculum hours, three hours of practicum, 36 elective hours, and at least nine hours of STA 6V99.

- **Courses in red** are core curriculum courses.
- **Courses in blue** can be used toward the Concentration in Data Science. STA 6333 also can be used.
- **Courses in gold/orange** can be used toward the Concentration in Biostatistics. Other courses are STA 5367, STA 6384, STA 6366.
- **Courses in gray** are courses not in red can be used for elective hours.
- **- course offered every other year**
- **One dissertation hour is considered a full-time equivalent. Students can register for as many as four dissertation hours in one semester, if needed, to fulfill graduation requirements.**
- **At the end of Fall 2, with successful completion of M.S. Oral Exam, students will have earned the traditional M.S. in Statistics.**

Cores offered only during even numbered years: STA 6351, STA 5364, STA 5365
Cores offered only during odd numbered years: STA 6382, STA 5363, STA 6380

Cores not listed above: STA 5387, STA 6333, STA 5393
Cores that have not been offered in a long time: STA 5387, STA 5393, STA 6366, STA 6393

Course descriptions can be found online at [https://www.baylor.edu/statistics/index.php?id=941489](https://www.baylor.edu/statistics/index.php?id=941489).
Concentrations

**Biostatistics**
- STA 5364 Survival and Reliability Theory
- STA 5365 Design of Experiments and Clinical Trials
- STA 5367 Managerial Epidemiology
- STA 5377 Spatial Statistics
- STA 6466 Statistical Bioinformatics
- STA 6384 Analysis of Categorical Data

**Data science**
- STA 5363 Advanced Data-Driven Methods
- STA 5385 High Dimensional Data Analysis
- STA 6376 Computational Statistics II
- STA 6380 Modern Trends in Data Science and Computing
- Other pre-approved courses such as
  - SCI 5325 Introduction to Machine Learning
  - ECL 5396 Deep Learning
  - ECO 5352 Data Science II
Program Evaluation

- Classwork
- M.S. Oral Exam
- Ph.D. Preliminary Exams
  - Written exams
  - Preliminary Project Presentation (PPP)
  - Dissertation hours
  - Dissertation defense
- Scheduling PPP and Defense
- Continuous Enrollment Policy

- Dismissal for Conduct or Poor Academic Performance
  - Baylor Student Conduct Code
  - Maintain minimum of 3.0 GPA
  - Complete PPP before Fall of third year
- Dissertation
  - Grade of “I” - means the dissertation is incomplete, but progress is satisfactory
  - Grade of “NC” - means that progress on dissertation is not satisfactory. Two grades of “NC” will result in dismissal from the program.
Graduate Assistantships
Assistantships

Work Requirements
- 20 hours per week
- Summer and internships

Health Insurance

Opportunities for Teaching
- Supplemental Instruction
- Teacher of Record ($1000)

Opportunities for Consulting
- Consulting Center
- Health-related Internships

Opportunities for Research
Expectations

- If you do not perform your responsibilities in a manner that is satisfactory, you can be dismissed from your assistantship
  - This means that you will be responsible for paying your tuition, you will no longer receive a stipend, and you will no longer receive an insurance subsidy.
  - It does not mean you are dismissed from the academic part of the program.
- How will you know?
  - Your supervisor will tell you. If you do not improve, they’ll notify me.
  - During the semester, if your performance doesn’t improve, you’ll be on probation.
  - Further complaints will result in dismissal from our assistantship.
- For details, see pages 17-18 of the departmental Graduate Student Handbook.
Other Policies
Computers, software, workspace

Computers
Each person has their own work computer
If you want to swap computers with someone else, please do not do it on your own!

Software
Some software (R, SAS, Box, JMP) you can install.
Do NOT install any kind of security or virus software on your computer.

Workspace Etiquette
Respect the space
Use your space, but not your neighbor’s space
Be in your space
Department Culture
Department Culture

- We are a happy bunch of people!
- Being here is good for us and good for you.
- Returning to the Office is Beneficial for Your Professional and Mental Health
- Benefits of Returning to the Office (15 minutes)
- How to Master Anything: PEAK
- How to Get Better at the Things You Care About (12 minutes)