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)

Department Policies

Graduate Student Handbook

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

Map through Ph.D Program		
Summer 1	**Fall 1**	**Spring 1**
STA 5351	STA 5352	STA 5353
	STA 5380	STA 5381
	STA 6375	STA 6376
	STA 5V85 (1 hour)	STA 5V85 (1 hour)
Summer 2	**Fall 2**	**Spring 2**
STA 5383	STA 5362	STA 5377
STA 5385	STA 6360	STA 6352
	STA 6351*	Elective hours
	STA 5V85 (1 hour)	
Summer 3	**Fall 3**	**Spring 3**
STA 6384	STA 6382*	STA 6380*/STA 5365*
Elective hours	STA 5363*/STA 5364*	STA 6V99 (2 or 3 hours)
Summer 4	**Fall 4**	**Spring 4**
STA 6V99 (2 or 3 hours)	STA 6V99 (2 or 3 hours)	STA 6V99 (2 or 3 hours)

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 6353 also can be used.
- Courses in goldenrod can be used toward the Concentration in Biostatistics. Other courses are STA 5367, STA 6384, STA 6366.
- Except for STA 6V99 and STA 5V85, 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.

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

Courses not listed above: STA 5387, STA 6353, STA 6383

Courses that have not been offered in a long time: STA 5367, STA 5387, STA 6353, STA 6366, STA 6383

Course descriptions can be found online at https://www.baylor.edu/statistics/index.php?id=941989.

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)