Department of Mathematics and Statistics  
MTH 099.070 and MTH 220.070—Introduction to Probability and Statistics  
Spring 2020

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Phone: 936-468-1777  
Office: Math 343

Office Hours:  
- Mondays and Wednesdays: 1 pm – 2 pm  
- Tuesdays, Thursdays, and Fridays: 9:45 am – 10:45 am

Class Meeting Place and Time: Math Building Room 357  
- Mondays, Wednesdays, Fridays: 11 am -11:50 am  
- Tuesdays and Thursdays: 11 am – 12:15 pm

Course Description: Probability essential for statistics, random variables, mean and variance, binomial distribution, normal distribution, t distribution, descriptive statistics, process of statistical inference, confidence intervals, hypothesis testing and linear regression

Text and Materials:  
Online Access to MyStatLab: You can gain the required access to MyStatLab by either purchasing the textbook bundle from the bookstore or by buying the online access from MyStatLab directly.

- Textbook bundle: *Introductory Statistics* (custom published) by Neil A. Weiss. This package includes required access to My Stat Lab (online homework). This bundle can be found at our bookstores.  
- You can also purchase the online access from MyStatLab. When you purchase the online access through MyStatLab, you will not have a physical textbook but you will have online access to the textbook.  
- The course is completely centered around the Case Study Manual which is located D2L. MyStatLab is where your online homework and practice is located. It is completely fine to not have a physical copy of the Weiss textbook.

Calculator: A scientific calculator is required. Graphing calculators are permitted, but not required. I will be using the TI-30XS Multiview. You must bring your calculator to class daily. You are not allowed to use your phone as a calculator. The use of phones, computers, and tablets in class is prohibited.

Other Supplies: A 2” binder (at least 2”), dividers, different colored highlighters, pencils, and paper. You will also need to print out case studies and worksheets from D2L throughout the semester and bring them with you to class. You must keep up with the case study manual as we work through it.

Attendance Policy:  
Attendance is expected. You are responsible for any notes and activities that you miss. Roll is taken each class period. You will be marked absent if any of the following happen: you are absent, you are significantly late, you leave class early, you are disruptive in any way, you are off task, or you have an electronic device within sight. Your phone and all other electronics must be silenced, in your backpack, and out of sight. At your table you should have only your course materials, calculator, and supplies needed to take notes. You are not allowed to take pictures or videos during class.

Grading Policy  
<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes [CO 1, 2, 3]</td>
<td>15%</td>
</tr>
<tr>
<td>MyStatLab [CO 1, 2, 3]</td>
<td>10%</td>
</tr>
<tr>
<td>Exam 1 [CO 1, 2, 3]</td>
<td>10%</td>
</tr>
<tr>
<td>Exam 2 [CO 1, 2, 3]</td>
<td>20%</td>
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<tr>
<td>Exam 3 [CO 1, 2, 3]</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam [CO 1, 2, 3]</td>
<td>25%</td>
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</tbody>
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Grading Scale:  
- 90% - 100%: A  
- 80% - 90%: B  
- 70% - 80%: C  
- 60% - 70%: D  
- Below 60%: F
Course Requirements

- **Exams:** There are no make-ups for missed exams. Department policy requires that you bring and be recognizable from either your SFASU Student ID or another valid photo ID before you are permitted to take each exam. Formulas are not given on the exams. The final exam is comprehensive and mandatory. You must have a complete understanding of the course material in order to pass each exam.

- **MyStatLab:** Online homework will be required using MyStatLab at www.mystatlab.com. When you create an account, use the following course ID: **sullivan35222**
  There are complete setup instructions at the end of the syllabus. You need to get your account setup today. It is your responsibility to keep up with all due dates. My advice is to check MyStatLab daily. It is extremely important to keep up with the homework on MyStatLab. Due dates on MyStatLab will not be extended. There are several computer labs on campus including at the library for you to use if you have computer problems. At the end of the semester I will drop your 3 lowest MyStatLab grades. There is a late submission penalty policy on MyStatLab homework assignments. There is a 25% penalty for each day that the homework is late.

- **Quizzes:** There are no make-ups for missed quizzes. If you are late to class, you will not be permitted to take the quiz. You will receive a zero on the quiz if you are absent, late, leave early, are disruptive in any way, use your phone in class that day, or any other way to be marked absent (see attendance policy). I will drop two quiz grades at the end of the semester. Quizzes can be announced or unannounced. You need to keep up with the material and come to class prepared each day to take a quiz. Quizzes can be in any form I see appropriate.

- **Daily Responsibilities:** Each day you need to reread your course notes, check MyStatLab and work on available homework, check D2L for any announcements, and to complete any tasks assigned during class.

- **D2L:** Course materials will be located on D2L. It is your responsibility to check D2L daily. You will use your MySFA username and password on the website [www.D2L.sfasu.edu](http://www.D2L.sfasu.edu). You are responsible for everything that is posted on D2L for this course. I will use the D2L newsfeed as an easy way to communicate with the class. You need to click on MTH-220-070 - Intro Prob & Stat-CoReq to access our D2L course. If this course does not show up for you, please email me immediately.

- **AARC Tutoring:** The AARC (Academic Assistance and Resource Center) in the Steen Library has free help available! They can be reached at 468-4108, or the website [http://library.sfasu.edu/aarc/](http://library.sfasu.edu/aarc/). The AARC has learning teams and walk in tables.
  - I HIGHLY recommend signing up for a learning team. The AARC will have their first open hours January 22-23 from 11 am to 6 pm. You can sign up for a learning team during this open house.
  - The hours for the STATISTICS walk in table at the AARC: Sundays – Thursdays: 3 pm – 7 pm

- **Additional Tutoring:** There will also be additional tutoring for MTH 220 through the CoReq Corner. I will post those times on D2L once they are set.

The following is an excerpt from SFA Policy 5.4:

> The federal definition of a credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates:

1. Not less than one hour of classroom or direct faculty instruction and a minimum of two hours out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or 10 to 12 weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time, or;
2. At least an equivalent amount of work as outlined in item 1 above for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

To this end, all students in courses offered by the Department of Mathematics and Statistics that wish to be successful should plan to spend a minimum of two hours outside of class for every credit hour associated with this course. Expected activities to be completed in the time outside of class include reviewing notes from previous class meetings, reading assigned course resources, completing all assigned exercises and projects, and performing periodic assessment preparation. See [http://www2.sfasu.edu/math/docs/syllabi/MTH220Syllabus.pdf](http://www2.sfasu.edu/math/docs/syllabi/MTH220Syllabus.pdf) for elements common to all sections.
<table>
<thead>
<tr>
<th>Week #</th>
<th>Week Starting on:</th>
<th>Material Covered and Exam Schedule</th>
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</table>
| 1      | January 15th     | Course Introduction
                                 | Introduction to Statistics   |
| 2      | January 21st     | Introduction to Statistics
                                 | Case Study 1A                |
| 3      | January 27th     | Case Study 1A                     |
| 4      | February 3rd     | Case Study 1A                     |
| 5      | February 10th    | Finish Case Study 1A
                                 | Exam 1: Thursday, February 13th |
                                 | Exam 1 Material: Introduction to Statistics and Case Study 1A |
| 6      | February 17th    | Case Study 1B                     |
| 7      | February 24th    | Case Study 1B                     |
| 8      | March 2nd        | Case Study 1
                                 | Exam 2: Thursday, March 5th   |
                                 | Exam 2 Material: Case Study 1
                                 | Spring Break                  |
| 9      | March 16th       | Case Study 2A                     |
| 10     | March 23rd       | Case Study 2A                     |
| 11     | March 30th       | Case Study 2B                     |
| 12     | April 6th        | Case Study 2B
                                 | No Class 4/9 and 4/10 (Easter Break) |
| 13     | April 13th       | Case Study 2
                                 | Exam 3: Thursday, April 16th  |
                                 | Exam 3 Material: Case Study 2 |
| 14     | April 20th       | Case Study 3A                     |
| 15     | April 27th       | Case Study 4A                     |
| 16     | May 4th          | Final Exam: Tuesday, May 5th 10:45 am – 1:15 pm |

Case Study 1 consists of Case Study 1A and Case Study 1B
Case Study 2 consists of Case Study 2A and Case Study 2B
The entire course is naturally cumulative
Student Registration Instructions

To register for MTH 220 - Sullivan - Spring 2020:

2. Under Register, select Student.
3. Confirm you have the information needed, then select OK! Register now.
4. Enter your instructor’s course ID: sullivan35222, and Continue.
5. Enter your existing Pearson account username and password to Sign In.
   You have an account if you have ever used a MyLab or Mastering product.
   » If you don’t have an account, select Create and complete the required fields.
6. Select an access option.
   » Enter the access code that came with your textbook or that you purchased separately from the bookstore.
   » If available for your course,
     • Buy access using a credit card or PayPal.
     • Get temporary access.
   If you’re taking another semester of a course, you skip this step.
7. From the You’re Done! page, select Go To My Courses.
8. On the My Courses page, select the course name MTH 220 - Sullivan - Spring 2020 to start your work.

To sign in later:

2. Select Sign In.
3. Enter your Pearson account username and password, and Sign in.
4. Select the course name MTH 220 - Sullivan - Spring 2020 to start your work.

To upgrade temporary access to full access:

2. Select Sign In.
3. Enter your Pearson account username and password, and Sign in.
5. Enter an access code or buy access with a credit card or PayPal.