Department of Mathematics and Statistics
MTH 220.004—Introduction to Probability and Statistics
Fall 2019

Name: Mrs. Sullivan    Email: SullivanRK@sfasu.edu    Phone: 936-468-1777    Office: Math 343
Office Hours: Mondays, Wednesdays, and Fridays: 10 am - 10:50 am
Tuesdays and Thursdays: 9:30 am – 10:45 am

Class Meeting Place and Time: Math Building Room 206   Mondays, Wednesdays, Fridays: 9 am -9:50 am

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 thorough 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>Percentage</th>
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<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>
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<tr>
<td>Final Exam [CO 1, 2, 3]</td>
<td>25%</td>
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Grading Scale:

<table>
<thead>
<tr>
<th>Percentage Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90% - 100%</td>
<td>A</td>
</tr>
<tr>
<td>80% - 90%</td>
<td>B</td>
</tr>
<tr>
<td>70% - 80%</td>
<td>C</td>
</tr>
<tr>
<td>60% - 70%</td>
<td>D</td>
</tr>
<tr>
<td>Below 60%</td>
<td>F</td>
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General Education Core Curriculum Assessment
The Texas Higher Education Coordinating Board has identified six core learning objectives. SFA is committed to the
improvement of its general education core curriculum by regular assessment of student performance on these six
objectives. MTH 220 is a general education core curriculum course and fulfills the Critical Thinking Skills general
education core curriculum requirement. During the semester, you will receive an assignment associated with general
education core curriculum assessment. You will receive detailed instructions on this assessment assignment later in the
semester.
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: **sullivan75872**
  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.

**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. You are responsible for everything that is posted on D2L for this course. I use the D2L newsfeed as an easy way to communicate with the class.

**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/. The AARC has learning teams and walk in tables.

- The first open enrollment for learning teams will be in the AARC on August 28th and August 29th from 11 am – 6 pm. You must go in person to the AARC to sign up for a learning team. I HIGHLY recommend signing up for a learning team. The AARC’s website has more information about open enrollment periods.
- The hours for the STATISTICS walk in table at the AARC: Sundays – Thursdays: 3 pm – 7 pm

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 for elements common to all sections.
## Tentative MTH 220 Schedule – Fall 2019

<table>
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<tr>
<th>Week #</th>
<th>Week Starting on:</th>
<th>Material Covered and Exam Schedule</th>
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| 1      | August 26<sup>th</sup> | Course Introduction  
Introduction to Statistics |
| 2      | September 2<sup>nd</sup> | Case Study 1A |
| 3      | September 9<sup>th</sup> | Case Study 1A |
| 4      | September 16<sup>th</sup> | Finish Case Study 1A  
**Friday, September 20<sup>th</sup> Exam 1: Introduction to Statistics and Case Study 1A** |
| 5      | September 23<sup>rd</sup> | Case Study 1B |
| 6      | September 30<sup>th</sup> | Case Study 1B |
| 7      | October 7<sup>th</sup> | Finish Case Study 1B  
**Friday, October 11<sup>th</sup> Exam 2: Case Study 1** |
| 8      | October 14<sup>th</sup> | Case Study 2A |
| 9      | October 21<sup>st</sup> | Case Study 2A |
| 10     | October 28<sup>th</sup> | Case Study 2B |
| 11     | November 4<sup>th</sup> | Case Study 2B |
| 12     | November 11<sup>th</sup> | **Wednesday, November 13<sup>th</sup> Exam 3: Case Study 2**  
Case Study 3A |
| 13     | November 18<sup>th</sup> | Case Study 3A |
|        | November 25<sup>th</sup> | **Thanksgiving Break** |
| 14     | December 3<sup>rd</sup> | Case Study 4A |
| 15     | December 9<sup>th</sup> | **Final Exam: Monday, December 9<sup>th</sup> 8 am – 10:30 am** |

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 Fall 2019:

2. Under Register, select Student.
3. Confirm you have the information needed, then select OK! Register now.
4. Enter your instructor’s course ID: sullivan75872, 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 Fall 2019 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 Fall 2019 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.

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