**Department of Mathematics and Statistics**  
**MTH 220.072—Introduction to Probability and Statistics CoReq.**  
**Fall 2019**

Name: Marissa Rotenberry  
Office: Math 327  
Department: Mathematics and Statistics  
Email: rotenberm@sfasu.edu  
Phone: 936-468-1880

Class meeting time and place: MWF 12-12:50pm and TR 12:30-1:45pm in Math 216

Office Hours: These hours have been set aside specifically to help students.

<table>
<thead>
<tr>
<th></th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time</td>
<td>9:30-11:30am</td>
<td>1-2pm</td>
<td>9:30-11:30am</td>
</tr>
</tbody>
</table>

**Additional times are available by appointment**

I always do my best to make myself available for additional office hours

**Course Description:** Probability, random variables, mean and variance, binomial distribution, normal distribution, t distribution, statistical inference and linear regression.

**Objectives and Outcomes:** A complete list of program learning objectives, general education core curriculum objectives/outcomes and other course information can be found using the following link: [http://www2.sfasu.edu/math/docs/syllabi/MTH220Syllabus.pdf](http://www2.sfasu.edu/math/docs/syllabi/MTH220Syllabus.pdf)

**Text and Materials**

**Textbook bundle:** *Introductory Statistics* (custom published) by Neil A. Weiss This package includes required access to My Stat Lab (online homework).

**Recommended and cheaper:** You can also purchase the online access from My Stat Lab. When you purchase the online access through My Stat Lab, you will not have a physical textbook but you will have online access to the textbook.

**Case Study Manual (CSM):** We will be working through a CSM. There is a PDF of this available on D2L.

**Calculator:** A scientific calculator is required. Graphing calculators are permitted, but not required. I will be using the TI-84 CE Plus. You must bring your calculator to class daily starting on week 2. You are not allowed to use your phone as a calculator. The use of phones in class is prohibited and you may be asked to leave class if it becomes a distraction.

**Other Supplies:** A 2” binder (at least 2”), dividers, different colored highlighters, paper, and pencils. **There will be points deducted for any assignment turned in that is written with anything other than a pencil.** This is a math class, invest in some pencils (using highlighters/colored pens/colored pencils to help emphasize what you have written is permitted and encouraged). Class notes will be taken fill-in-the blank style; I will bring the printed notes to class the first two week and you will fill in the blanks as we go through lecture. After the second week, you will be responsible for printing the notes from D2L prior to class. You must keep up with the CSM as we work thorough it.

**Course Requirements**

**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).

**MyStatLab**

Online homework will be required using My Stat Lab at www.mystatlab.com. When you create an account, use the following course ID: rotenberry65276

There are complete instructions at the end of the syllabus. You need to get your account setup as soon as possible. **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 homework grades. There will also be suggested problems from the textbook for extra practice during the semester.
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. You are responsible for all formulas in the course. The final exam is comprehensive and mandatory. You must convey to me that you have a complete understanding of the course material in order to pass the final exam.

Resurrection Policy: This resurrection policy is only used for students with three or fewer absences throughout the semester. Your final exam score can replace one lower exam score. The final exam score can only replace ONE exam score and it cannot replace any other score.

Quizzes
There are no make-ups for missed quizzes and they can be in any form that I see appropriate. They may be scheduled, unannounced (pop quiz), or take home. If you are late to class and miss the quiz, then you missed the quiz and cannot make it up. I will drop two quiz grades at the end of the semester. You need to keep up with the material and come to class prepared each day to take a quiz.

Assessment
This semester, Intro to Probability and Statistics is being assessed on Critical Thinking Skills. The assignment, titled “MTH 220 Critical Thinking Skills Assessment Write-Up” will be handed out when we cover CS2. This assignment will be due on Tuesday, November 5th. You will turn in an electronic copy on D2L and a hard copy to me in class.

Attendance Policy
Attendance is expected and will be taken every class period. You are responsible for any notes and assignments that you miss.

Tutoring
- The AARC (Academic Assistance and Resource Center) in the Steen Library has free tutoring available! They can be reached at 936-468-4108, or the website http://libweb.sfasu.edu/aarc. The AARC also has walk in tables available for different subjects. The statistics walk-in table has the following hours: Sunday through Thursday from 3-7pm.
- SI lead by Melinda Hernandez. SI sessions will be every Thursday from 5-6pm (starting the second week of school). This will be a great resource for you to utilize and does not require you to sign up.
- Learning team with Melinda Hernandez. This is a smaller group that does require a sign up and continued attendance. You will have to sign up for learning teams in person during Open Enrollment this Wednesday and Thursday from 11-6.

Grading Policy

Grade Breakdown
The final course grade will be computed using the following weights:

Exam 1  [CO 1,2,3]  10%  
Exam 2  [CO 1,2,3]  20%  
Exam 3  [CO 1,2,3]  20%  
Comprehensive Final Exam  [CO 1,2,3]  25%  
MyStatLab Assignments  [CO 1,2,3]  10%  
Quizzes  [CO 1,2,3]  15%  

90% - 100%  A  
80% - 90%  B  
70% - 80%  C  
60% - 70%  D  
0% - 60%  F
### Tentative MTH 220 CoReq Schedule – Fall 2019

<table>
<thead>
<tr>
<th>Week #</th>
<th>Monday’s Date</th>
<th>Material Covered and Exam Schedule</th>
</tr>
</thead>
</table>
| 1      | August 26th       | Course Introduction  
Introduction to Statistics                                                 |
| 2      | September 2nd     | Case Study 1A                                                          |
| 3      | September 9th     | Case Study 1A                                                          |
| 4      | September 16th    | Finish Case Study 1A  
**Exam 1: Thursday, Sept. 19th**                                         |
| 5      | September 23rd    | Case Study 1B                                                          |
| 6      | September 30th    | Case Study 1B                                                          |
| 7      | October 7th       | Finish Case Study 1B  
**Exam 2: Thursday, Oct. 10th**                                           |
| 8      | October 14th      | Case Study 2A                                                          |
| 9      | October 21st      | Case Study 2A                                                          |
| 10     | October 28th      | Case Study 2A & B                                                      |
| 11     | November 4th      | Case Study 2B                                                          |
| 12     | November 11th     | Finish Case Study 2B  
**Exam 3: Thursday, Nov. 14th**                                            |
| 13     | November 18th     | Case Study 3A                                                          |
|        |                    | **Thanksgiving Break**                                                 |
| 14     | December 2nd      | Case Study 4A                                                          |
| 15     | December 9th      | **Final Exam: Tuesday, Dec. 10th, 10:45 am – 1:15 pm**                  |

Please note that the dates for our in-class exams are subject to change, but the final is university scheduled and cannot be taken at a different time without permission of the Dean of the College of Sciences and Mathematics.
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.