Department of Mathematics and Statistics
MATH 1342.018—Introduction to Probability and Statistics
Fall 2020

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Email: busbeeb@sfasu.edu
Phone: (936) 468-1834
Office: MTH 339

Office Hours (Held through Zoom):
Monday: 10:00 – 11:30 am
Tuesday: 9:00 – 9:30 am
Wednesday: 10:00 – 11:30 am
Thursday: 3:30 – 5:00 pm
*Available other times by appointment*

Link to join office Hours: sfasu.zoom.us/my/busbeeb (Meeting ID: busbeeb Password: 138220)

Class meeting time and place: Tuesday and Thursday at 2:00 pm in Room 123
Final Exam Date and Time: Thursday, December 10th from 1:30 – 4:00 pm No Exceptions

Link to join live Zoom lecture: https://sfasu.zoom.us/j/99504033407?pwd=YzdSbnRLOHo2eFlGeVBiTjhRTOJ3dz09 (Meeting ID: 995 0403 3407 Password: 13422)

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

Calculator: A scientific calculator is required. Graphing calculators are permitted, but not required. Please make sure to have your calculator with you each day for class. I recommend buying the TI -30XS Multiview! Having a fraction button on your calculator will come in handy.

Other Supplies: A binder, dividers, pens, pencils, paper. You will also need to print out case studies, notes and worksheets from D2L throughout the semester and bring them with you to class. You will also need to have access to Excel throughout the semester. As a student, you are able to use and/or download Excel through your mySFA account.

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

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Exam 1 (Intro/CS1A) [CO 1, 2, 3]</td>
<td>10%</td>
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<tr>
<td>Exam 2 (CS1) [CO 1, 2, 3]</td>
<td>20%</td>
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<tr>
<td>Exam 3 (CS2A) [CO 1, 2, 3]</td>
<td>20%</td>
</tr>
<tr>
<td>MyStatLab Homework [CO 1, 2, 3]</td>
<td>15%</td>
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<tr>
<td>Quizzes [CO 1, 2, 3]</td>
<td>15%</td>
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<tr>
<td>Comprehensive Final Exam [CO 1, 2, 3]</td>
<td>20%</td>
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Grading Scale

<table>
<thead>
<tr>
<th>Score Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90% - 100%</td>
<td>A</td>
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<tr>
<td>80% - 90%</td>
<td>B</td>
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<tr>
<td>70% - 80%</td>
<td>C</td>
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<tr>
<td>60% - 70%</td>
<td>D</td>
</tr>
<tr>
<td>0% - 60%</td>
<td>F</td>
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Course Requirements
Exams
Exams will be given online through D2L. These exams will be given during your scheduled class time. 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. The final exam is comprehensive and mandatory. You must have a complete understanding of the course material in order to pass the final exam. Testing instructions will be posted to D2L before Exam 1.

MyStatLab
Online homework will be required using My Stat Lab at www.mystatlab.com. When you create an account, use the following course ID: busbee80524
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 from the textbook for practice for some material during the semester.

Quizzes
Quizzes will be online on D2L. You have one attempt at each quiz and you must work by yourself. You are allowed to use your notes during the quizzes.

*My advice to you:
- Your notes are the most important pieces of material for this course. Take good notes and read back through them often.
- Statistics is not your typical math course. You will learn a lot of new things this semester. It will be good though! Don’t let too much time pass if you do not understand something. Make sure to ask a question anytime you are confused and/or need clarification. If you don’t get time to ask your question in class, PLEASE come by my office.

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.

AARC Tutoring
The AARC (Academic Assistance and Resource Center) in the Steen Library has free help available! The AARC is also available through Zoom. Please go to the following website to get up to date information about getting help through the AARC: http://www.sfasu.edu/aarc/tutoring

COVID-19 MASK POLICY
Masks (cloth face coverings) must be worn over the nose and mouth at all times in this class and appropriate physical distancing must be observed. Students not wearing a mask and/or not observing appropriate physical distancing will be asked to leave the class. All incidents of not wearing a mask and/or not observing appropriate physical distancing will be reported to the Office of Student Rights and Responsibilities. Students who are reported for multiple infractions of not wearing a mask and/or not observing appropriate physical distancing may be subject to disciplinary actions.

Use of Zoom
This class will utilize the Zoom web-conferencing tool for virtual class meetings. All SFA faculty, students, and staff can access and use Zoom by via sfasu.zoom.us. Students are required to have a webcam in order to participate. (Cell phone access is available with the Zoom mobile app.) Zoom links will be provided. Important note: Zoom auto transcribes all recorded sessions. Transcription is automated, often includes errors, and thus should not be considered a wholly accurate record of the session. Should errors exist in a Zoom session transcript, please contact me immediately.

Restriction of Audio or Visual Recording, Reproduction, and Distribution of Content in Online Courses
(Adapted from the University of Denver)
At Stephen F. Austin State University, we value and strive to protect the intellectual property of our faculty. We also value and strive to safeguard the privacy of all our students. To this end, students may not record, reproduce, screenshot, photograph, or distribute any video, audio, or visual content from a course without the express written permission of the faculty of record. This restriction includes but is not limited to:

- Pre-recorded and live lectures
- Live discussions
- Discussion boards
- Simulations
- Posted course materials
- Faculty feedback forms
- Visual materials that accompany lectures/discussions, such as slides
- Virtual whiteboard notes/equations, etc.

As we engage in online learning as an academic community, it is imperative to be respectful of your peers and instructor(s). Keep in mind that if any student is identifiable in an online class recording, this may constitute a violation of the educational record protections provided under the Federal Educational Rights and Privacy Act (FERPA). Students who violate this policy may be reported to the Office of Community Standards and subject to both legal sanctions for violations of copyright law and disciplinary action.

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.

<table>
<thead>
<tr>
<th>Week #</th>
<th>Week Starting on:</th>
<th>Material Covered and Exam Schedule</th>
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<tbody>
<tr>
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<tr>
<td></td>
<td>Date</td>
<td>Event</td>
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</table>
| 1 | August 24<sup>th</sup> | Course Introduction  
Introduction to Statistics                                                  |
| 2 | August 31<sup>st</sup> | Case Study 1A                                                           |
| 3 | September 7<sup>th</sup> | Case Study 1A                                                           |
| 4 | September 14<sup>th</sup> | Case Study 1A                                                            |
| 5 | September 21<sup>st</sup> | **Exam 1: Tuesday, September 22<sup>nd</sup>**  
(Exam 1 Material: Introduction to Statistics and Case Study 1A)  
Start Case Study 1B                                                      |
| 6 | September 28<sup>th</sup> | Case Study 1B                                                           |
| 7 | October 5<sup>th</sup> | Case Study 1B                                                           |
| 8 | October 12<sup>th</sup> | Case Study 1  
**Exam 2: Tuesday, October 13<sup>th</sup>**  
(Exam 2 Material: Case Study 1)  
Start Case Study 2A                                                      |
| 9 | October 19<sup>th</sup> | Case Study 2A                                                           |
| 10| October 26<sup>th</sup> | Case Study 2A                                                           |
| 11| November 2<sup>nd</sup> | Case Study 2B                                                            |
| 12| November 9<sup>th</sup> | Case Study 2B                                                            |
| 13| November 16<sup>th</sup> | Case Study 2  
**Exam 3: Tuesday, November 17<sup>th</sup>**  
(Exam 3 Material: Case Study 2)  
Start Case Study 4A                                                      |
|   | November 23<sup>rd</sup> | Thanksgiving Break                                                       |
| 14| November 30<sup>th</sup> | Case Study 4A                                                            |
| 15| December 7<sup>th</sup> | Your final exam is Thursday, December 10<sup>th</sup> from 1:30 – 4:00 pm |
Student Registration Instructions

To register for MATH 1342 Fall 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: busbee80524, 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 MATH 1342 Fall 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 MATH 1342 Fall 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.
4. Select Upgrade access for MATH 1342 Fall 2020.
5. Enter an access code or buy access with a credit card or PayPal.