Department of Mathematics and Statistics  
MTH 1342.015—Introduction to Probability and Statistics  
Fall 2020

Name: Jacob Turner, Ph.D.  
Email: turnerja2@sfasu.edu  
Phone: 936-468-1692  
Office: 342 NM  
Office Hours:

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<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
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<tr>
<td>3:30pm-4:30pm</td>
<td>10:00am-11:00am</td>
<td>330pm-4:30pm</td>
<td>10:00am-11:00am</td>
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You can also meet with me by appointment.

Class meeting time and place:  Tue/Thur  11:00am-12:15pm  Zoom Meeting (Link will be emailed and provided on D2L)

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

Text and Materials
1. Case Study Manual. Freely available on D2L
2. (Optional) TI-83/84 Calculator

Grading Policy
The final average will be computed using the following weights:

- **HW / Quizzes** 50 %
  - HW will be assigned weekly
- **Two midterm exams 15% each**
  - 1 may be replaced by your final exam
  - Given in Lecture Sections
- **Final exam 20%**
  - Mandatory and comprehensive
  - Cannot be dropped

**Homework and Group Exercises:** HW assignments will be provided through D2L. It will be labeled as a “quiz” but this will be where you complete your weekly assignments. The assignment is not timed, but it will have a due date roughly a week after it is assigned depending on the length. Some could be due within a shorter period of time, some longer. In addition to regular HW we will sometimes conduct in-class exercises. Due to the current COVID situation, these will not hurt you in terms of grades if you miss class. I strongly encourage you to go back and watch missed classes via zoom recordings that I provide.

**Exams (TBD):** The midterms will be conducted via D2L using a timed quiz and will be scheduled to start during our normal meeting time. There are no make-ups for missed exams, so make every effort to be at class on exam day. If you know ahead of time that you will miss an exam, see me at least one class before
the scheduled exam and we will work something out. 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. If you need accommodations, I would appreciate a verbal reminder as we get close to test time.

**Final Exam (TBD):** The final exam for this course will be a comprehensive project that may be completed individually or in a group. The final deliverable information will be provided later in the course. You will be given ample amount of time to complete the tasks. Groups will have to submit a peer review which will be incorporated in the final grade.

**Grading Scale (100%):** A: 90-100, B: 80-90, C: 70-80, D: 60-70, F: Below 60

### COVID-19 MASK POLICY

If this class were to ever meet in person, 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. https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/cloth-face-cover-guidance.html https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/social-distancing.html

### Attendance Policy

Attendance is expected and will be reflected in everything you submit. It will be increasingly difficult to get a good grade or even pass if you miss class regularly. When a student misses class, s/he is expected to proactively and promptly acquire the missed information before the next calendar class day and meet all requirements administered by the instructor and the student must: Submit an official, dated note from attending doctor, parent, or supervisor, depending on the nature of the absence. Documentation must be submitted promptly.

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.