Department of Mathematics and Statistics
MTH 220.015—Introduction to Probability and Statistics
Fall 2019

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Office Hours:

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<th>Monday</th>
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<td>10am-10:50am</td>
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Class meeting time and place: TUE/THR 11:00am-12:15pm Mathematics Building Room 203

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. *TI-83/84 Calculator*

Course Requirements
Homework, In Class Exercises, 2 Midterm Exams, Group Project, and Final Exam

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

- **HW / Quizzes / Group Exercises 15%**
  - Due on almost every Thursday before class begins.
- **Two midterm exams 25% each**
  - 1 may be replaced by your final exam
  - Given in Lecture Sections
- **Project 10%** (In class group presentation, 2-3 member groups)
- **Final exam 25%**
  - Mandatory and comprehensive
  - Cannot be dropped

*Homework and Group Exercises*: HW assignments will be provided through D2L. Students will submit their HW in class on the appropriate due date. In addition to regular HW, additional group exercises in class will be conducted as well as a few potential open note quizzes. Participation is required for these additional assignments, so if you miss class that day, then you will not receive credit for the assignment that day.

*Exams (TBD)*: 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.
**Final Exam** **Thursday, Dec. 12, 10:30am-12:30pm:** The final exam is comprehensive with a heavier emphasis on the material from the later case studies.

**Project (TBD):** I will discuss this in detail after the first few weeks of class. Projects can be completed in groups of 2-3 class members and all members must participate in all project activities including the final class presentation/deliverable.

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

**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.