Course Outline:

- **Descriptive Statistics [CO 1, 2, 3]**
  - Graphical Display of Data
  - Measures of location
  - Measures of Dispersion
  - 10%

- **Probability [CO 1, 2, 3]**
  - Classical Probability
  - Probability Laws (Rules)
  - Counting Techniques
  - 20%

- **Probability Distributions [CO 1, 2, 3]**
  - Random Variables
  - Discrete Distributions
    - Binomial Distribution
    - Hypergeometric Distribution
  - Continuous Distributions
    - Uniform Distribution
    - Normal Distribution
  - 20%

- **Sampling Distributions [CO 1, 2, 3]**
  - Random Samples
  - Central Limit Theorem
  - 10%

- **Statistical Inference [CO 1, 2, 3]**
  - Estimation
    - Point Estimation
    - Interval Estimation
  - 30%

- **Linear Regression [CO 1, 2, 3]**
  - 5%

- Explicit instruction in Critical Thinking, Communication and Empirical and Quantitative Reasoning is in addition to implicit instruction, modeling and practice that occur daily in the discussion of limits and continuity, derivatives and antiderivatives, applications of derivatives and definite integration. This explicit instruction includes explanation of solving mathematical problems by thinking critically, communicating logically ordered solutions with complete and correct notation, and applying empirical or quantitative skills as appropriate to the problem.
  - 5%

**Academic Integrity (Policy A-9.1)**

Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

The penalty for a student found cheating on any part of an assignment, quiz, or exam in this class will range from a grade of zero on the work to a grade of F in the course, and may result in additional, more severe disciplinary measures. A student who allows another to copy his work and the student copying the work are both guilty of cheating. Do your own work. Do not show your completed work to others. Do not allow others to copy your work.

**Definition of Academic Dishonesty**

Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit.

Please read the complete policy at [http://www.sfasu.edu/policies/academic_integrity.asp](http://www.sfasu.edu/policies/academic_integrity.asp).

**Withheld Grades Semester Grades Policy (A-54)**

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average. The circumstances precipitating the request must have occurred after the last day in which a student could withdraw from a course. Students requesting a WH must be passing the course with a minimum projected grade of C.
Students with Disabilities
To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices.

Acceptable Student Behavior
Classroom behavior should not interfere with the instructor’s ability to conduct the class or the ability of other students to learn from the instructional program (see the Student Conduct Code, policy D 34.1 http://www.sfasu.edu/policies/student_conduct_code.asp). Unacceptable or disruptive behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic or other penalties. This prohibition applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the Early Alert Program. This program provides students with recommendations for resources or other assistance that is available to help SFA students succeed.

Program Learning Outcomes:
This is a general education core curriculum course and no specific program learning outcomes for this major are addressed in this course.

Student Learning Outcomes (SLO): At the end of MTH 220, a student who has studied and learned the material should be able to:
1. Exhibit an understanding of basic probability rules and concepts [CO:1,3]
2. Demonstrate an understanding of different probability models and ways they are used in statistical inference. [CO: 1, 2, 3]
3. Demonstrate an understanding of point estimation of population parameters. [PLO: 1,3]
4. Demonstrate an understanding of interval estimation about population parameters and inference that can be drawn from such techniques. [CO: 1,3]
5. Demonstrate an understanding of hypothesis testing concerning population parameters and inference that can be drawn from such techniques. [CO:1,3]

General Education Core Curriculum
Core Objectives (CO):
1. Critical Thinking [CO 1]: to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
2. Communication Skills [CO 2]: to include effective development, interpretation and expression of ideas through written, oral and visual communication
3. Empirical and Quantitative Skills [CO 3]: to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

This course has been selected to be part of Stephen F. Austin State University’s core curriculum. The Texas Higher Education Coordinating Board has identified six objectives for all core courses: Critical Thinking Skills, Communication Skills, Empirical and Quantitative Skills, Teamwork, Personal Responsibility, and Social Responsibility. SFA is committed to the improvement of its general education core curriculum by regular assessment of student performance on these six objectives.

<table>
<thead>
<tr>
<th>Core Objective</th>
<th>Definition</th>
<th>Course Assignment Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Thinking Skills</td>
<td>To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.</td>
<td>Not assessed this semester</td>
</tr>
<tr>
<td>Communication Skills</td>
<td>To include effective development, interpretation and expression of ideas though written, oral, and visual communication.</td>
<td>Not assessed this semester</td>
</tr>
<tr>
<td>Empirical and Quantitative Skills</td>
<td>To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.</td>
<td>Not assessed this semester</td>
</tr>
</tbody>
</table>
Exams:

Both the midterm and final exam are face-to-face 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. If you are not on campus, email me as soon as possible. You can take your exams at an approved testing location. The testing location must be an actual testing center. Most community colleges and universities have testing centers. Both the midterm and final exam will be similar to the WebTests. Note that the face-to-face exams will be written exams, and not completed on the computer. You will be provided with a formula sheet for both face-to-face exams.

Hawkes Learning System Lessons:

The Hawkes lessons are how you will learn the material for this course. These lessons play the role of lecture and homework in a face-to-face class. There are 31 total lessons to complete on Hawkes as well as two online webtests to complete on Hawkes. Your two lowest Hawkes lessons will be dropped. Each time you work through a lesson, you will work through the lesson in three parts: learn, practice, certify.

1. **Part 1: Learn**
   The first part of the Hawkes lesson plays the role of the lecture that you would have in a face-to-face course. This part will introduce you to the material covered in that sections. You will see examples completed step by step.

2. **Part 2: Practice**
   The second part of the lesson allows you to practice with what you just learned. This part allows you to gain confidence in the new material.

3. **Part 3: Certify**
   The final part is where you get your grade for the lesson. You must certify each lesson in order to get a grade. Once you certify each lesson, your grade for that lesson is 100%. You will see a required mastery for each lesson. This tells you how many questions you need to get correct in order to master the lesson. Once you have mastered the lesson, it is certified and your grade for that lesson is 100%. For example, if it says that the required mastery is 10 out of 13 then once you get 10 questions right, you have certified the lesson.

Note: You can go through any of the three parts as many times as you want

Due dates are posted on the schedule at the end of the syllabus as well as on the Hawkes Learning System. On the scheduled due date, the assignment is due at 11:59 pm. The following is information for the penalty when completing a Hawkes lesson after the stated due date:

- 1 day late: 10% penalty (This means that the highest grade for that lesson is now a 90%)
- 2 days late: 20% penalty
- 3 days late: 30% penalty
- 4 days late: 40% penalty
- 5 days late: 50% penalty
- More than 5 days late: 100% penalty

Note: this penalty structure is only for the Hawkes lessons

You need to figure out blocks of time throughout the week that you plan to work on the lessons. **Do NOT wait until the due date to try and complete the lesson or lessons due that day.** Any Hawkes work done after May 4th will not count.

You will have online exams (WebTests 1 and 2) and face-to-face exams (the midterm exam and the final exam) throughout the semester. You will always want to make sure to complete the lessons being tested on each exam ahead of time. You will need to allow time to digest the material and study the lessons to do well on these exams.
Miscellaneous:

- It is your responsibility to keep up with all due dates for the course.

- It is your responsibility to check D2L (https://d2l.sfasu.edu/) on a regular basis. You are responsible for anything posted on D2L or on Hawkes.

- I like to use D2L for storage and communication. I will store course files on D2L like the syllabus, formula sheet, tables, and practice exams. I put announcements on the D2L newsfeed. You will spend most of your time in this course on the Hawkes Learning System.

- Emails should not resemble text messages. You need to make sure to always address the person that you are sending the email to and be complete with your sentences. You need to get into this habit now so that you do not embarrass yourself later.

- The course ID needed for Hawkes is SFASUSTAT

- Email is the easiest way to get in touch with me. You can call my office during office hours but email is best especially outside of office hours. If you email me during the school week and you do not get a response within 24 hours, resend the email. It is possible that it was sent to junk mail. I want to make sure that I respond to your questions quickly so that you do not get behind. My email address is SullivanRK@sfasu.edu

- If you are retaking this online course, you do not need to buy a new access code.

- The D2L discussions will take place at the end of the semester. They will allow us to reflect on the semester.
Math 220 Exam Dates and Information
Spring 2018

• WebTest 1:
  o WebTest 1 is to be completed online through Hawkes
  o WebTest 1 covers chapters 1-4 (see schedule)
  o WebTest 1 is due February 20\textsuperscript{th} at 11:59 pm
  o WebTest 1 will open on February 6\textsuperscript{th} and it will close on February 20\textsuperscript{th} at 11:59 pm
  o You have one attempt at WebTest 1
  o Check the d2l newsfeed for detailed WebTest instructions on February 6\textsuperscript{th}

• Midterm Exam:
  o The midterm is a face to face exam that will take place on Wednesday, March 7\textsuperscript{th} in Kennedy Auditorium (4 pm – 8 pm)
  o If you have a time conflict that does not allow you to take your exam during the time slot, please let me know in advance so that you can take your exam early.
  o The midterm covers all lessons covered from 1.1 through 8.3b (see schedule)
  o You must bring a picture id (student id or driver's license)
  o Don't forget your calculator
  o If you are taking the midterm at a testing center, make sure that I have approved the testing center far in advance.
  o You will have a formula sheet and tables provided to you for the midterm exam. Check d2l to know what the formula sheet and tables will look like.

• WebTest 2:
  o WebTest 2 is to be completed online through Hawkes
  o WebTest 2 covers all lessons covered from 8.4a – 11.4c (see schedule)
  o WebTest 2 is due April 27\textsuperscript{th} at 11:59 pm
  o WebTest 2 will open on April 13\textsuperscript{th} and it will close on April 27\textsuperscript{th} at 11:59 pm
  o You have one attempt at WebTest 2
  o Check the d2l newsfeed for detailed WebTest instructions on April 13\textsuperscript{th}

• Final Exam:
  o The final exam is a face to face exam that will take place on Wednesday, May 9\textsuperscript{th} in Kennedy Auditorium (4 pm – 8 pm)
  o If you have a time conflict that does not allow you to take your exam during the time slot, please let me know in advance so that you can take your exam early.
  o The final covers all lessons covered in this course (see schedule)
  o The final exam is comprehensive and mandatory
  o You must bring a picture id (student id or driver's license)
  o Don't forget your calculator
  o If you are taking the final exam at a testing center, make sure that I have approved the testing center far in advance.
  o You will have a formula sheet and tables provided to you for the midterm exam. Check d2l to know what the formula sheet and tables will look like.
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<th>Due Date</th>
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