Course Description
Elementary concepts of geometry and measurement, probability, and statistics with an emphasis on problem solving and critical thinking

Course Prerequisites
MTH 127.

Course Time and Meeting Place
D2L Online

Instructor
- Stacia Prince
  Department of Mathematics and Statistics
- Office: Bush Mathematics Building Room 334 or 103J
- TEL: (936) 468-6262
- Email: princes@sfasu.edu
- Office Hours: Anytime my door is open, by appointment or
  Monday: 2:00pm-3:30pm
  Tuesday: 2:00pm-3:00pm
  Wednesday: 1:00pm-2:00pm
  Thursday: 2:00pm-3:30pm

Textbook and Materials
- A compass used for drawing circles, scissors, ruler and protractor will be needed for the activities in this course.
- The textbook for this course is:
- A simple four-function calculator will work fine for this course. However, you should not rely on computers and/or calculators to such an extent that they keep you from developing your own skills. Technology should be used as an aid, but without a good understanding of the underlying mathematical concepts, the calculator will quite happily mislead you without your even knowing it. In general, technology is a good thing, but as with everything, sometimes too much of a good thing can lead to problems. For this reason, we may not allow calculators to be used on certain exams or parts of certain exams. You may not use your cellphone or your iPod/iPad/iWatch for a calculator during exams.

Getting Help with Math 128
- Take advantage of office hours and email. Please use the princes@sfasu.edu email to receive the quickest response. I will make every effort to answer emails within 24 hours on weekdays and within 48 hours on weekends.
- Individual and group help is available at the Academic Assistance and Resource Center, which is located on the first floor of the Steen Library.
- I know you can “Google” most information, but developing an understanding of the concepts in this class is much more important than a correct answer on the homework. This is why I give feedback on homework rather than a number grade for the answer.

Discussions and Homework
MTH 128 is an activities based course. The discussion boards in the course are used for you to discuss the activities and ask questions for a better understanding of the concepts. The activities along with the textbook will help you develop an understanding of the concepts in each section. Certain Discussion Board are required. These Discussion Boards will have “required” in the title. Textbook homework is due each Friday night at 11:59pm. Textbook homework should be scanned and uploaded to the appropriate dropbox.
Making Your Homework Easy to Read and Easy to Grade

- Make sure your handwriting is legible.
- Please write your name on each page.
- Problems should be clearly labeled and numbered on the left side of the page. There should also be a visible separation between problems.
- It is good practice to first work out the solutions to homework problems on scratch paper, and then to neatly write up your solutions. This will help you turn in a clean finished product.
- You should write up your solutions by yourself. You should always acknowledge any help received at the top of the assignment or in the right-hand margin.
- I will make comments on each problem in the using annotated notes and/or the Feedback section of Dropbox.

Grading and Exams

The will be three 75 minute exams and a 150 minute final exam. Your course grade will be determined as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Date</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussions and Homework</td>
<td>Assignment due dates on calendar. Writing Assignments are due as follows: Due on the Friday, 11:59pm following Exams 1, 2, and 3 September 23, October 21, November 18</td>
<td>20%</td>
</tr>
<tr>
<td>Exam I</td>
<td>On-Campus Proctoring: Wednesday, September 18, 4-8pm, Bush Math Bldg. Room 203 Off-Campus Proctoring Window: Tuesday-Thursday, September 17-19</td>
<td>20%</td>
</tr>
<tr>
<td>Exam II</td>
<td>On-Campus Proctoring: Wednesday, October 16, 4-8pm, Bush Math Bldg. Room 101 Off-Campus Proctoring Window: Tuesday-Thursday, October 15-17</td>
<td>20%</td>
</tr>
<tr>
<td>Exam III</td>
<td>On-Campus Proctoring: Wednesday, November 13, 4-8pm, Bush Math Bldg. Room 203 Off-Campus Proctoring Window: Tuesday-Thursday, November 12-14</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>On-Campus Proctoring: Monday, December 9, 2019, 6:30pm-9:00pm, Bush Math Bldg. Room 101 Off-Campus Proctoring Window: December 9-11, 2019 window for off campus proctoring</td>
<td>20%</td>
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</tbody>
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Semester numerical scores will be converted into letter grades according to the following method.

<table>
<thead>
<tr>
<th>Range of numerical values</th>
<th>Corresponding Letter</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100</td>
<td>A</td>
</tr>
<tr>
<td>80-89</td>
<td>B</td>
</tr>
<tr>
<td>70-79</td>
<td>C</td>
</tr>
<tr>
<td>60-69</td>
<td>D</td>
</tr>
<tr>
<td>0-59</td>
<td>F</td>
</tr>
</tbody>
</table>

When we calculate your final grade at the end of the course, we will calculate a score on a 0-100 point scale using the scores that you have obtained during the course, and the grade breakdown given above. Your course grade will then be obtained using this table.

**Resurrection Policy.** If you score a 70 or better on the final exam and this grade is higher than one of your three midterm exam grades, we will replace your lowest midterm exam grade with your final exam grade. The resurrection policy does not apply to your homework or writing assignment grades.

If you bring your cell phone to the exam venue, please remember to turn it off and place it in bag. Violation of this policy will be considered as academic dishonesty and dealt with accordingly. You will not be permitted to use your cell phone as a calculator, so plan ahead.

See [http://www2.sfasu.edu/math/docs/syllabi/MTH128Syllabus.pdf](http://www2.sfasu.edu/math/docs/syllabi/MTH128Syllabus.pdf) for elements common to all sections.
Course Calendar

Per SFA policy 5.4, your schedule should reflect that there is (1) an amount of student work per credit hour that reasonably approximates not less than one hour of class or direct faculty instruction and two hours of out-of-class student work per week for fifteen weeks over a long semester, 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.

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10.1 Lines and Angles</td>
<td>10A, 10B, 10C</td>
</tr>
<tr>
<td>2</td>
<td>10.1 Lines and Angles, 10.3 Circles and Spheres</td>
<td>10D, 10E, 10G, 10L, 10M</td>
</tr>
<tr>
<td>3</td>
<td>10.4 Triangles, Quadrilaterals and Other Polygons</td>
<td>10O, 10P, 10Q, 10R, 10S, 10U</td>
</tr>
</tbody>
</table>
| 4    | **Exam 1: Chapter 10**  
11.1 Concepts of Measurement  
11.4 Converting from One Unit of Measurement to Another | 11A, 11B, 11C, 11D, 11G, 11H, 10J |
| 5    | 11.2 Length, Area, Volume, and Dimension  
12.1 Areas of Rectangles Revisited  
12.2 Moving and Additivity Principles About Area  
12.3 Areas of Triangles | 11E, 12A, 12B, 12C, 12D, 12E, 12F |
| 6    | 12.4 Areas of Parallelograms and Other Polygons  
12.6 Area and Circumference of Circles and the Number Pi | 12G, 12H, 12I, 12N, 12O |
| 7    | 12.8 Contrasting and Relating the Perimeter and Area of Shapes | 12Q, 12R, 12S |
| 8    | **Exam 2 Chapters 11 & 12**  
12.9 Using the Moving and Additivity Principles to Prove the Pythagorean Theorem  
13.1 Polyhedra and Other Solid Shapes | 12U, 12V, 13A, 13B |
| 9    | 13.2 Patterns and Surface Area  
| 10   | 14.1 Reflections, Translations, and Rotations  
14.2 Symmetry  
14.3 Congruence  
14.4 Constructions with Straightedge and Compass | 14A, 14B, 14E, 14G, 14H, 14I, 14L, 14M, 14N |
| 11   | 14.5 Similarity  
14.6 Dilations and Similarity  
14.7 Areas, Volumes and Similarity | 14Q, 14W, 14X |
| 12   | **Exam 3 Chapters 12.9, 13 and 14** | 13P |
| 13   | 15.1 Formulating Statistical Questions, Gathering Data, and Using Samples  
15.2 Displaying Data and Interpreting Data Displays  
15.3 The Center of Data: Mean, Median, and Mode | 15A, 15C, 15E, 15G, 15K, 15L, 15N |
| 14   | Thanksgiving Holiday | |
| 15   | 15.4 Summarizing, Describing, and Comparing Data Distributions | 15T, 15U, 15V, 15W |
| 16   | **Final Exam**  
Monday, December 9, 2019, 6:45-8:45, location TBA |
Add/Drop Policy

The Add/Drop Policy can be found at http://www.sfasu.edu/policies/add_drop.asp

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.

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.