Course Description: Elementary concepts of geometry and measurement, probability, and statistics with an emphasis on problem solving and critical thinking. [http://www2.sfasu.edu/math/courses/syllabi/MTH127Syllabus.pdf](http://www2.sfasu.edu/math/courses/syllabi/MTH127Syllabus.pdf)

Course Prerequisites: MTH 127

Course Time and Meeting Place: Online at [https://d2l.sfasu.edu](https://d2l.sfasu.edu)  
Office Hours: By appointment

Instructor: Lorna De Sha  
Office: Math 347  
Phone: (936) 468-1440

Email: deshald@sfasu.edu (Expect a response to email within 24 hours on weekdays and 48 hours on weekends.)

Current Text 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 *Mathematics for Elementary Teachers* Pearson 5th edition Beckmann, Sybilla.  

Online Tutoring: Virtual (online) tutoring is available through ZOOM on Monday through Thursday, 1 to 2:45 pm.

You can access ZOOM with the following link: [https://sfasu.zoom.us/j/126774064](https://sfasu.zoom.us/j/126774064)

Or you can download the free ZOOM app on your phones. You will need the cod: 126-774-064

Course Goals

- To understand the mathematics essential to successful teaching in the elementary school classroom.
- To acquire a foundation in geometry, statistics, probability, and counting.
- To gain skill in problem solving and critical thinking.

Course Requirements:

- A midterm exam and final exam each lasting 2 hours, dates are listed in the chart below
- D2L access. You will be required to access SFA’s Learning management Software(at [https://d2l.sfasu.edu](https://d2l.sfasu.edu)) daily
- Homework from the textbook will be uploaded via dropbox with feedback given. Read the homework grading police as found on D2L carefully.
- Attendance and participation are expected. This course is taught with an emphasis on inquiry rather than lecture. Learning within this framework requires active participation
- Reading the textbook is essential to the learning process and is expected. You should read the section to be covered carefully before attempting investigations, discussions, or homework problems. It will likely be necessary to read each section more than once.
- Additional assignments at the instructor’s discretion
- There is NO extra credit
- Initiative to seek help outside of class, in the professor’s office, through Supplemental Instruction, or the AARC may be necessary in order to succeed in the course.

Calculators: A simple four-function calculator will work fine for this course. You are encouraged to bring your calculator to class with you every day. 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/Watch in class for a calculator.
**Attendance Policy:** Attendance and participation are expected. This course is taught with an emphasis on inquiry rather than lecture. You will be required to participate in discussion posts and other activities online as part of your grade.

**Grading and Exams:** There will be two 2 hour exams during the semester. For each exam, you may choose to either take it on SFA campus on the date and time specified in the Course Timeline or you may choose to take it with a proctor (that you have made arrangements with) on the exam day(s) listed below. 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>Homework</td>
<td>Discussion Posts, Written homework problems submitted online, D2L quizzes</td>
<td>30%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>July 25-26, on campus proctoring: July 26, 3-7pm in Kennedy Auditorium</td>
<td>35%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>August 15-16, on campus proctoring: August 16 3-7pm in Kennedy Auditorium</td>
<td>35%</td>
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</tbody>
</table>

Semester numerical scores will be converted into letter grades according to the following method:

<table>
<thead>
<tr>
<th>Numerical Grade</th>
<th>90-100</th>
<th>80-89</th>
<th>70-79</th>
<th>60-69</th>
<th>below 60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Letter Grade</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>F</td>
</tr>
</tbody>
</table>

When I calculate your final grade at the end of the course, I 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. Due to the pace of a summer course, we will have only two exams and there is NO resurrection policy. Exam Policy Exam in this course must be proctored. You may take exams at the SFA campus with a proctor during the time and day specified in the Course Timeline or you may elect to take exams with an approved proctor at another location during the specified time period listed in the Course Timeline in the Getting Started module. If you choose to take exams at another location, it is YOUR responsibility to secure a proctor and submit contact information to the instructor. Please see the “Exam Proctoring Instructions” document provided on D2L for more information. Exams must be taken within the range of dates listed above.

There should be no reason to miss an exam other than: 1. A medical excuse. Please provide proper documentation according to university policy. 2. A University sponsored event such as an athletic tournament, a play, or a musical performance. Your coach or director must contact us in advance. Athletic practices and rehearsals do not fall into this category. 3. A religious holiday. Please send a short email explaining the situation. 4. Extreme hardship such as a family emergency. Please have the proper university office notify us. The previous list are the only allowable excuses for taking the exam before the scheduled time. Under no circumstances do we give late exams. Since we can only accommodate a limited number of students taking the exam at an earlier time, please make sure that you fall into one of the above categories before you contact us. If you miss an exam due to illness or a family emergency, you will not be penalized. The missed exam will be replaced with the final exam grade. If you have a conflict with the final exam (other than another exam at the same time), you must contact the Registrar. Only the Registrar can schedule an out-of-sequence final exam.

**The Class Environment**

- The format for this course will probably be different from your previous math classes. Students spend time working, discussing, and explaining problems. You should not expect that the instructor will lecture, or that you will have a clearly defined set of notes or PowerPoint-type slides. Instead, you and your classmates will construct your own knowledge with the professor facilitating discussions and asking questions. Getting used to this format requires some time, so be patient.
- I will send emails to the entire class during the course. Check your D2L email daily.
Making Your Homework Easy to Read and Easy to Grade

- Make sure your handwriting is legible.
- Problems should be clearly labeled and numbered on the left side of the page. There should also be a visible separation between problems.
- To ensure that each problem is graded, problems and solutions should be written in the order that they are assigned.
- 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.
- Individual and group help is available at the Academic Assistance and Resource Center, which is located on the first floor of the Steen Library.
- Take advantage of the instructor by emailing questions or setting up an appointment for a meeting.
- In the upper right-hand corner you should write (in this order)
  - Your name
  - MTH 128.500
  - Section and problem number
  - The due date of the homework

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/MTH127Syllabus.pdf for elements common to all sections.