**Instructor:**
- Danielle Johnson  
  Department of Mathematics and Statistics  
- Office: Math 349  
- TEL: (936) 468-1521  
- Email: drjohnson@sfasu.edu

**Course Meeting time and place:** MTH 1350.003 11:00 am – 12:15 pm TR, Math Room 209

**Office Hours:** These hours have been set aside specifically to help students.  
  - Monday: 10:00 am – 10:30 am  
  - Tuesday: 2 pm – 4 pm  
  - Wednesday: 10:00 am – 10:30 am  
  - Thursday: 2 pm – 4 pm  
  Additional times are available by appointment. You may attend office hours in person in my office or via zoom.

**Office hours ZOOM:** link: https://sfasu.zoom.us/my/drcarriere?pwd=M3VDZkpRMnRSUUFWRFBmRXg2Uzkwdz09
or use the Meeting ID: 451 497 5134 and Passcode: 429842

**Course Description:** Elementary concepts of sets, numeration systems, number theory, and properties of the natural numbers, integers, rational, and real number systems with an emphasis on problem solving and critical thinking.

**Current Text and Materials**
The textbook for this course is:  
Mathematics for Elementary Teachers, Beckmann 0321901231 Pearson 5th  

**Calculators:** Calculators cannot be used in this course.

**Course Requirements:** Major course requirements are various homework assignments as determined by your instructor, homework from textbook, three midterm exams and a comprehensive final exam.

- **Final exam** (lasting 2 hours)
- **Three exams** (each lasting 1 hour 15 minutes) prior to final exam, dates listed below. Exams will be on paper and given in class during our regularly scheduled class time unless otherwise stated.
- **Ability and resources needed to be able to upload written work to D2L.**
- **Reliable internet access**
- **Good computer**
- **D2L access.** You will be required to access SFA’s Learning management Software (at https://d2l.sfasu.edu) daily
- **Homework** from the textbook will be collected and graded. You will submit written work to the appropriate drop box in D2L for that homework set. Homework due dates are posted in D2L and in the calendar in the syllabus but are subject to change so check the D2L news feed on the homepage of our class in D2L and check your email frequently.

**Prep assignments:** Prep assignments will be collected and graded. You will have one prep assignment before each class meeting (other than on exam days). You will find these assignments in D2L and will submit the written work for each assignment to the appropriate dropbox (for that assignment). Part of each prep assignment is reading the section or sections to be covered the next day in class. **Reading the textbook** is essential to the learning process and is expected. You should read the section to be covered carefully before class and before attempting investigations 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, with the professor or the AARC may be necessary in order to succeed in the course

**Attendance Policy and Testing, Grading, and Make-up Policies:**
- *Please keep in communication with the instructor about all absences.* You should not miss class meetings. But, in the event that you do miss class, it is your responsibility to contact the instructor to find out what you missed.
- Come to class prepared and ready to listen, participate, and engage with the activities for the day
- Missing an exam is much more problematic than missing a regular class meeting or an appointment, and you should not miss exam days unless the situation is very serious. If you miss an exam, the final exam grade will be substituted for your lowest (previous) in-class exam score. The final exam is mandatory. If more than one exam is missed, the final exam grade will replace only one of the missed exams.
- You must bring and display either your SFASU Student ID or a valid driver’s license before you will be permitted to take each test and the final exam. I must be able to recognize you from the photo on the ID.

There should be no reason to miss an exam other than:
A. A medical excuse. Please provide proper documentation according to university rules.
B. 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.
C. A religious holiday. Please send a short email explaining the situation.
D. Extreme hardship such as a family emergency. Please have the proper university office notify us.

The above are the only allowable excuses for taking the exam before the scheduled time. Under no circumstances do I give late exams. In some situations (with a valid excuse), it is possible to take an exam early, but not late. If you need to take an exam early, please email me and explain the situation and then a decision will be made to determine if you will be allowed to take the exam earlier than scheduled.

- The university’s Attendance and Excused Absences Policy can be found at [http://www.sfasu.edu/policies/class_attendance_excused_abs.asp](http://www.sfasu.edu/policies/class_attendance_excused_abs.asp)

**Grading and Exams:** There will be three 75 minute exams during the semester and a 2 hr. comprehensive final exam. Your course grade will be determined as follows:

Semester numerical scores will be converted into letter grades according to the following chart.

<table>
<thead>
<tr>
<th>Component</th>
<th>Date</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework/Other Assignments</td>
<td>homework assignments and other assignments</td>
<td>20%</td>
</tr>
<tr>
<td>Exam I</td>
<td>Thurs. Sept. 16&lt;sup&gt;th&lt;/sup&gt; during class</td>
<td>20%</td>
</tr>
<tr>
<td>Exam II</td>
<td>Thurs. Oct. 14&lt;sup&gt;th&lt;/sup&gt; during class</td>
<td>20%</td>
</tr>
<tr>
<td>Exam III</td>
<td>Thurs. Nov. 18&lt;sup&gt;th&lt;/sup&gt; during class</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Tues. Dec. 7th, 10:30 am – 12:30 pm</td>
<td>20%</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.

**Resurrection Policy.** If you score a 70 or better on the final exam, I will replace your lowest midterm exam grade with your final exam grade if the midterm exam grade is lower. The resurrection policy does not apply to your homework average.

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.

**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 office hours via zoom or in person in my office.
- Submit your homework to the proper drop box in D2L by the due date.

<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>

*Please be respectful of your fellow students and your instructor. Cell phone use is permitted for class participation but you may not use your cell phone to play games or for purposes other than participating in class. Remember to turn your cell phone on quiet mode before class begins.*

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://www3.sfasu.edu/math/docs/syllabi/MATH1350Syllabus.pdf](http://www3.sfasu.edu/math/docs/syllabi/MATH1350Syllabus.pdf) for elements common to all sections.

MENTAL HEALTH: SFASU values students’ mental health and the role it plays in academic and overall student success. SFA provides a variety of resources to support students mental health and wellness. Many of these resources are free, and all of them are confidential.

**On-campus Resources:**
SFASU Counseling Services  
[www.sfasu.edu/counselingservices](http://www.sfasu.edu/counselingservices)  
3rd Floor Rusk Building  
936-468-2401

SFASU Human Services Counseling Clinic  
[www.sfasu.edu/humanservices/139.asp](http://www.sfasu.edu/humanservices/139.asp)  
Human Services Room 202  
936-468-1041

**Crisis Resources:**
Burke 24-hour crisis line 1(800) 392-8343  
Suicide Prevention Lifeline  1(800) 273-TALK (8255)  
Crisis Text Line: Text HELLO to 741-741
<table>
<thead>
<tr>
<th>Week</th>
<th>TR</th>
<th>Section</th>
<th>Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/24</td>
<td>1.1 The Counting Numbers</td>
<td>1C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assignment</td>
<td>1.1 p. 12 #3</td>
</tr>
<tr>
<td>1</td>
<td>8/26</td>
<td>1.2 Decimals</td>
<td>1F, 1G, 1J, 1K #1,3,4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assignment</td>
<td>1.2 pp. 25-27 #8</td>
</tr>
<tr>
<td>2</td>
<td>8/31</td>
<td>1.4 Reasoning about Rounding</td>
<td>1N, 1O</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assignment</td>
<td>1.4 pp. 37-38 #4</td>
</tr>
<tr>
<td>2</td>
<td>9/2</td>
<td>2.1 Defining and Reasoning about Fractions</td>
<td>2A, 2C, 2D, 2F</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assignment</td>
<td>2.2 pp. 57-59 #5</td>
</tr>
<tr>
<td>3</td>
<td>9/7</td>
<td>2.3 Reasoning about Equivalent Fractions</td>
<td>2I, 2J, 2L, 2M #1</td>
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<tr>
<td></td>
<td></td>
<td>Assignment</td>
<td>2.3 pp. 67-70 #15</td>
</tr>
<tr>
<td>3</td>
<td>9/9</td>
<td>2.4 Reasoning to Comparing Fractions</td>
<td>2O, 2P, 2Q</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assignment</td>
<td>2.4 pp. 77-78 #12</td>
</tr>
<tr>
<td>4</td>
<td>9/14</td>
<td>3.1 Interpretations of Addition and Subtraction</td>
<td>Strip Diag., 3D</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assignment</td>
<td>3.1 p. 101: #3</td>
</tr>
<tr>
<td>4</td>
<td>9/16</td>
<td><strong>EXAM 1</strong></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>9/21</td>
<td>3.2 The Commutative and Associative Properties of Addition, Mental Math, and Single-Digit Facts</td>
<td>3E, 3F, 3G</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assignment</td>
<td>3.2 pp. 112-113: #3</td>
</tr>
<tr>
<td>5</td>
<td>9/23</td>
<td>3.3 Why the Standard Algorithms for Addition and Subtraction in Base Ten Work</td>
<td>3I, 3J, 3K</td>
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<tr>
<td></td>
<td></td>
<td>Assignment</td>
<td>3.3 pp. 120-122: #3 revised instructions</td>
</tr>
<tr>
<td>6</td>
<td>9/28</td>
<td>3.4 Reasoning About Fraction Addition and Subtraction</td>
<td>3O, 3P, 3Q, 3R</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assignment</td>
<td>3.4 pp. 131-134: #12</td>
</tr>
<tr>
<td>6</td>
<td>9/30</td>
<td>4.1 Interpretations of Multiplication</td>
<td>4A, 4B</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assignment</td>
<td>4.1 p. 149: #5ab</td>
</tr>
<tr>
<td>7</td>
<td>10/5</td>
<td>4.2 Why Multiplying by 10 is Special in Base Ten</td>
<td>4C</td>
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<tr>
<td></td>
<td></td>
<td>Assignment</td>
<td>4.3 pp. 162-166: #10</td>
</tr>
<tr>
<td>7</td>
<td>10/7</td>
<td>4.4 The Distributive Property</td>
<td>4G, 4H</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assignment</td>
<td>4.4 pp. 173-175: #4</td>
</tr>
<tr>
<td>8</td>
<td>10/12</td>
<td>Catch-up day</td>
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<tr>
<td>8</td>
<td>10/14</td>
<td><strong>EXAM 2</strong></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Why the Standard Algorithm for Multiplying Whole Numbers Works</td>
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<td>---------------------------------------------------------------</td>
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<tr>
<td>9</td>
<td>10/19</td>
<td>4.6</td>
<td>Making Sense of Fraction Multiplication</td>
</tr>
<tr>
<td>10</td>
<td>10/21</td>
<td>5.1</td>
<td>Making Sense of Fraction Multiplication</td>
</tr>
<tr>
<td>10</td>
<td>10/26</td>
<td>5.1</td>
<td>Making Sense of Fraction Multiplication</td>
</tr>
<tr>
<td>11</td>
<td>11/02</td>
<td>6.1</td>
<td>Interpretations of Division</td>
</tr>
<tr>
<td>11</td>
<td>11/04</td>
<td>6.2</td>
<td>Division and Fractions and Division with Remainder #7 and #9 pg. 238</td>
</tr>
<tr>
<td>12</td>
<td>11/09</td>
<td>6.3</td>
<td>Why Division Algorithms Work</td>
</tr>
<tr>
<td>12</td>
<td>11/11</td>
<td>6.6</td>
<td>Dividing Decimals</td>
</tr>
<tr>
<td>13</td>
<td>11/16</td>
<td>8.1</td>
<td>Factors and Multiples</td>
</tr>
<tr>
<td></td>
<td>11/18</td>
<td></td>
<td><strong>EXAM 3</strong></td>
</tr>
<tr>
<td>14</td>
<td>11/23 and 11/25</td>
<td></td>
<td>THANKSGIVING HOLIDAY</td>
</tr>
<tr>
<td>15</td>
<td>11/30</td>
<td>8.2</td>
<td>Even and Odd</td>
</tr>
<tr>
<td>15</td>
<td>12/02</td>
<td>8.3</td>
<td>Divisibility Tests</td>
</tr>
<tr>
<td>16</td>
<td>12/07</td>
<td>8.4</td>
<td>Prime Numbers</td>
</tr>
</tbody>
</table>

**Final Exam**

*Tuesday, Dec. 7th, 10:30 am – 12:30 pm*
Math 1350 – Introduction to Foundation of Mathematics I
Course Syllabus

Course description: Properties of the natural numbers, integers, rational and real number systems, and number theory with an emphasis on problem-solving and critical thinking.

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

Credit hours: 3

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.

Course Prerequisites and Corequisites: See general course prerequisites.

General Education Core Curriculum: This course has been selected to be part of SFA’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. Assessment of these objectives at SFA will be based on student work from all core curriculum courses. This student work will be collected in D2L, the assessment management system selected by SFA to collect student work for core assessment.

By enrolling in MTH 1350 – Introduction to Mathematics for Elementary Teachers you are also enrolling in a Core Curriculum Course that fulfills the Mathematics Core Objective requirement.

The chart below indicates: (a) The core objectives that are required to be taught in this course per the Texas Higher Education Coordinating Board (THECB), (b) How the required core objectives will be addressed.

[Examples of the things that can be included in the final column are: Specific assignments, class module(s), chapter(s), strategies, activities, and/or techniques that address the core objectives.]
Core Curriculum Objective Table

<table>
<thead>
<tr>
<th>Core Objective</th>
<th>Definition</th>
<th>How the Core Objective Will be Addressed.</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>Inquiry-based activities – Reasoning about Rounding, Fractions, etc.</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>Explanation of concepts along with diagrams on activities</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>Using and explaining algorithms to determine products and quotients.</td>
</tr>
</tbody>
</table>

Course outline:

- Techniques of problem solving and estimation skills [CO 1, 2, 3] 15%
  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 numbers and operations. 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. The following topics will be threaded throughout the course in order to develop the habits of mind necessary to be successful in mathematics:
  - Introduce Polya’s Problem Solving Process: Understand the Problem, Devise a Plan, Carry Out Plan, Look Back
  - Explore Basic Problem Solving Strategies
  - Explore Patterns in Language, Figures, Numbers, Sequences and Geometry
  - Develop Estimation Skills with Mental Arithmetic
  - Investigate temperature as a form of measurement

- Whole Numbers and Numeration: Concepts and Algorithms [CO 1, 2, 3] 25%
  - Define the Set of Whole Numbers
  - Model Whole Number Operations using a Variety of Methods
  - Verify Properties of Operations: Binary Operation; Closed, Commutative, Associative, Distributive Property of Multiplication over Addition, Identities, Multiplication by Zero; Division Algorithm
  - Explore Place Value Systems using Base Five Arithmetic
  - Develop and Apply Algorithms for Whole Number Operations
  - Develop Definition and Properties for Whole Number Exponents

- Number Theory: An Introduction [CO 1, 2, 3] 10%
  - Define and Explore Primes and Composites
  - Explore Basic Divisibility Properties of Sums and Products
  - Explore Applications of the Fundamental Theorem of Arithmetic
  - Define the GCD and LCM and Use Algorithms for Finding Each

- Integers: Concepts and Algorithms [CO 1, 2, 3] 25%
  - Model Integer Operations Using a Variety of Methods
Investigate Extensions of Whole Number Operations and their Properties: Closed, Commutative, Associative, Distributive Property of Multiplication over Addition, Identities, Additive Inverse, Multiplication by Zero

- Real Numbers: Concepts and Algorithms [CO 1, 2, 3] 25%
  - Investigate Practical Uses for Fractions
  - Explore Connections between Fractions, Rational Numbers, Decimals, and Percents
  - Investigate Order of Numbers in Decimal Form
  - Illustrate the Pythagorean Theorem
  - Develop Proportional Thinking to Include Ratio and Proportion, Properties of Proportions, Fundamental Law of Fractions

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 numbers and operations. 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.

Academic Integrity
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 (SFA policy 4.1):
Academic dishonesty includes both cheating and plagiarism. Cheating includes, but is not limited to:
- using or attempting to use unauthorized materials on any class assignment or exam;
- falsifying or inventing of any information, including citations, on an assignment;
- helping or attempting to help other student(s) in an act of cheating or plagiarism.

Plagiarism is presenting the words or ideas of another person as if they were one’s own. Examples of plagiarism include, but are not limited to:
- submitting an assignment as one’s own work when it is at least partly the work of another person;
- submitting a work that has been purchased or otherwise obtained from the Internet or another source;
- incorporating the words or ideas of an author into one’s paper or presentation without giving the author credit.

Withheld Grades Semester Grades (SFA Policy 5.5)
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.
SFASU Mental Health Statement: SFASU values students’ mental health and the role it plays in academic and overall student success. SFA provides a variety of resources to support students mental health and wellness. Many of these resources are free, and all of them are confidential.

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Human Services Room 202
936-468-1041

Crisis Resources:
Burke 24-hour crisis line 1(800) 392-8343
Suicide Prevention Lifeline  1(800) 273-TALK (8255)
Crisis Text Line: Text HELLO to 741-741

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 10.4). 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.

Student Learning Outcomes (SLO): At the end of MTH 127, a student who has studied and learned the material should be able to:

1. Solve a variety of problems using multiple problem-solving techniques. [CO 1,3]
2. Demonstrate understanding of core concepts underlying standard and non-standard algorithmic procedures for performing operations on subsets of real numbers. [CO 1,3]
3. Communicate his/her knowledge effectively in multiple formats – verbally, concretely, and in writing. [CO 2]
4. Define, identify, and use the fundamental properties of real number operations. [CO 3]
5. Provide logical justification of mathematical thinking. [CO 1]
6. Use mathematical language and notation appropriately to communicate ideas. [CO 2]

There are no specific program learning outcomes for this major addressed in this course. It is a general education core curriculum course and/or a service course.

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