



requirement to obtain a grade in this class. APPS: The “Free GraCalc”, “My script calc” and “Google Drive” apps are recommended.

### **Evaluation and Grading & Assignments:**

#### **Attendance:**

The attendance policy for this class is simple. You are all adults who have in some form paid for this class. If you do not wish to come to any session, you do not have to attend. However, you are still responsible for completing work on time. If you are late for class, enter quietly and sit down. You will not be allowed to make up any quiz you miss because of tardiness. In case of a valid emergency, contact the instructor using the information given on the first page. After filling out an absence form, the instructor will decide whether or not the work missed can be made up.

**Academic Integrity:** Violations of scholastic ethics are considered serious offenses by Tohono O’odham Community College, the Mathematics Department, and by your instructor. Students may consult the TOCC Student Handbook sections on student code of conduct, on scholastic ethics and on the grade appeal procedure.

[a] All homework can be done independently or with other students. The purpose of homework is to develop critical thinking skills and also to develop specific skills related to teaching mathematics by repeated practice of these skills. Without this practice most students find it impossible to perform well in this class. No collaboration is tolerated during exams in-class exams.

[b] Students are expected to abide by the Student Code of Conduct and the Scholastic Code of Conduct found in the Tohono O’odham Community College Student Handbook. Copies are available at the main student bookstore.

#### **Course Feedback:**

All materials submitted will be graded and returned the next class period after they are submitted.

#### **Homework Policy:**

Homework will be assigned each class period (See Homework) and it is due at the next class period after all questions have been solved. The solutions to selected problems in the text are given in the back of the textbook. Similar problems in the book are step-by-step solved on the web site [www/interactmath.com](http://www/interactmath.com). Late homework will not be accepted unless the student has made an arrangement with the instructor before it is to be turned in.

#### **Withdrawals:**

Please be sure to withdraw yourself by **October 26, 2016** if you do not expect to complete the class, otherwise you may receive an "F" grade.

#### **Workload:**

Students are expected to spend an average of 18 hours per week attending class sessions, doing assignments and preparing for exams. The standard Carnegie Unit of college credit assigns one credit hour for each 15 hours of class time and assumes that students spend two hours working outside the classroom for each hour of classroom instruction. For a three-credit semester course, this translates to an average of 12 hours spent outside of class weekly for 8 weeks.

#### **Grading System/Policies:**

Your final grade will be calculated as follows: 6 homework assignments      200 points 6 quizzes                              200 points 6 tests                                    300 points 1 project                                100 points 1 <u>final exam</u> 200 points Total possible                        1,000 points	Grading Scale  A =      1000 - 900 points B =      899 - 800 points C =      799 - 700 points D =      699 – 600 points F =      less than 600 points
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**Incomplete (I) grade:**

To receive an “ I “ grade, you must have finished at least 3/4 of the course requirements and specifically request the grade. Please call before the last week of class to be sure that there is sufficient time to consider your request. An incomplete grade generally implies that a student has shown sufficient initiative to complete the course on his or her own. You will receive a copy of the standard “I” form filed with the grade. This form details specifically what must be done to complete the course. A student has one year to complete the required work, after which the grade automatically reverts to an “F.”

**Make-up Assignments:**

No make-up assignments will be given and no late assignments will be accepted unless the student has made arrangements with the instructor.

**Extra Credit Opportunities:** Do not ask for extra credit opportunities until you have completed all of the required assignments to date. The instructor will occasionally give extra credit homework, quiz, and exam questions that test critical thinking skills.

**Final Grades:** Students will receive a grade transcript from the college mailed to the address given with registration materials at the end of the semester when all grades have been recorded.

**SPECIAL NOTE TO STUDENT:** For privacy and security reasons, instructors are advised **NOT** to give grades over the telephone.

**Course Outline:**

- I. Signed Numbers
  - A. Number Line
  - B. Absolute Value
  - C. English Statements to Symbols
  - D. Operations on Integers
  - E. Practical Applications
- II. Commutative, Associative, and Distributive Laws and Order of Operations
  - A. Apply to Numeric Expressions
  - B. Apply to Algebraic Expressions
- III. Algebraic Expressions
  - A. Simplify
    1. Distributive Property
    2. Combine Like Terms
  - B. Evaluate
- IV. Polynomials
  - A. Terminology
  - B. Add and Subtract
  - C. Multiply
- V. Fractions
  - A. Arithmetic Operations
  - B. Algebraic Fractions
- VI. Linear Equations
  - A. Solving Equations With One Operation
  - B. Solving Equations With Two Operations
  - C. Solving Equations With Decimals

D. Solving Equations With Fractions

E. Applications

VII. Percents

A. Translate Into Algebraic Equations

B. Solve

C. Applications

VIII. Ratio and Proportion

A. Notation and Interpretation

B. Applications

IX. Graphing

A. Cartesian Coordinate System

B. Plot Points

C. Graph a Linear Equation by Plotting Points

X. Perimeter, Area, and Volume

A. Calculate Perimeter and Area of Rectangles, Circles, Parallelograms, Trapezoids, Triangles

B. Calculate Volume of Rectangular Solids, Cylinders, Spheres and Cones

C. Applications

XI. Optional Topics

A. Common Factors

B. Measurements

**DISCLAIMER: This syllabus is designed to evolve and change throughout the semester based on class progress and interests. You will be notified of any changes as they occur.**

## Homework

Hw #	Quiz	Chapter	Section	Page	Numbers	Score
Hw 1		1	1.1	7	1-51 Odd #'s	
			1.2	17	1-43 Odd #'s	
			1.3	26	1-59 Odd #'s	
			1.4	32	1-53 Odd #'s	
			1.5	40	1-53 Odd #'s	
			1.6	50	1-53 Odd #'s	
			1.7	59	1-59 Odd #'s	
			1.8	73	1-59 Odd #'s	
	Q 1	1	Chapter 1 Test	89	1 - 34 ALL	
Test 1		1	1.1 - 1.8	In Class		
Hw 2		2	2.1	101	1-57 Odd #'s	
			2.2	114	1-59 Odd #'s	
			2.3	128	1-57 Odd #'s	
			2.4	138	1-57 Odd #'s	
			2.5	146	1-55 Odd #'s	
	Q 2	2	Chapter 2 Test	161	1 - 26 ALL	
Test 2		2	2.1 - 2.5	In Class		
Hw 3		3	3.1	171	1-47 Odd #'s	
			3.2	181	1-47 Odd #'s	
			3.3	192	1-45 Odd #'s	
			3.4	200	1-23 Odd #'s	
	Q 3	3	Chapter 3 Test	212	1 - 22 ALL	
Test 3		3	3.1 - 3.4	In Class		
Hw 4		4	4.1	225	1-55 Odd #'s	
			4.2	237	1-59 Odd #'s	
			4.3	249	1-59 Odd #'s	
			4.4	260	1-53 Odd #'s	
			4.5	275	1-59 Odd #'s	
			4.6	284	1-51 Odd #'s	
			4.7	293	1-37 Odd #'s	
			4.8	302	1-27 Odd #'s	
	Q 4	4	Chapter 4 Test	317	1 - 32 ALL	
Test 4		4	4.1 - 4.8	In Class		
Hw 5		5	5.1	327	1-57 Odd #'s	
			5.2	336	1-35 Odd #'s	
			5.3	344	1-59 Odd #'s	
			5.4	351	1-53 Odd #'s	
			5.5	362	1-59 Odd #'s	
			5.6	372	1-65 Odd #'s	
			5.8	387	1-45 Odd #'s	
			5.9	395	1-27 Odd #'s	
	Q 5	5	Chapter 5 Test	423	1 - 31 ALL	
Test 5		5	5.1 - 5.9	In Class		
Hw 6			6.1	433	1-35 Odd #'s	
			6.2	439	1-35 Odd #'s	
			6.3	450	1-53 Odd #'s	
			6.4	459	1-39 Odd #'s	
	Q 6	6	Chapter 6 Test	501	1 - 12 ALL	
Test 6		6	6.1 - 6.4	In Class		
Final Exam		Ch 1 - 3	Cumm Review 1-3	214	1-38 ALL	
Final Exam		Ch 1 - 6	Cumm Review 1-6	503	1-33 ALL	

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#	Day	Date	Sections	Hw Due	Test
1	Tuesday	8/16/2016	1.1 - 1.2	Pre-Qz1	
2	Thursday	8/18/2016	1.3 - 1.4	1.1-1.2	
3	Tuesday	8/23/2016	1.5 - 1.6	1.3-1.4	
4	Thursday	8/25/2016	1.7 - 1.8	1.5-1.6	
5	Tuesday	8/30/2016	Review Chap 1	1.7-1.8	
<b>6</b>	<b>Thursday</b>	<b>9/1/2016</b>	<b>1.1 - 1.8</b>	<b>Quiz 1</b>	<b>Chap 1</b>
7	Tuesday	9/6/2016	2.1 - 2.2	Pre-Qz2	
8	Thursday	9/8/2016	2.3 - 2.4	2.1-2.2	
9	Tuesday	9/13/2016	2.5 - Review Chap 2	2.3-2.5	
<b>10</b>	<b>Thursday</b>	<b>9/15/2016</b>	<b>2.1 - 2.5</b>	<b>Quiz 2</b>	<b>Chap 2</b>
11	Tuesday	9/20/2016	3.1 - 3.2	Pre-Qz3	
12	Thursday	9/22/2016	3.3 - 3.4	3.1-3.2	
13	Tuesday	9/27/2016	Review Chap 3	3.3-3.4	
<b>14</b>	<b>Thursday</b>	<b>9/29/2016</b>	<b>3.1 - 3.4</b>	<b>Quiz 3</b>	<b>Chap 3</b>
<b>NC</b>	<b>Tuesday</b>	<b>10/4/2016</b>	<b>St. Francis Day - No Class</b>		
15	Thursday	10/6/2016	4.1 - 4.2	Pre-Qz4	Chap 3
16	Tuesday	10/11/2016	4.3 - 4.4	4.1-4.2	
17	Thursday	10/13/2016	4.5 - 4.6	4.3-4.4	
18	Tuesday	10/18/2016	4.7 - 4.8	4.5-4.6	
19	Thursday	10/20/2016	Review Chap 4	4.7-4.8	
<b>20</b>	<b>Tuesday</b>	<b>10/25/2016</b>	<b>4.1 - 4.7</b>	<b>Quiz 4</b>	<b>Chap 4</b>
21	Thursday	10/27/2016	5.1 - 5.2	Pre-Qz5	Chap 4
22	Tuesday	11/1/2016	5.3 - 5.4	5.1-5.2	
23	Thursday	11/3/2016	5.5 - 5.6	5.3-5.4	
24	Tuesday	11/8/2016	5.8 - 5.9	5.5-5.6	
25	Thursday	11/10/2016	Review Chap 5	5.8-5.9	
<b>26</b>	<b>Tuesday</b>	<b>11/15/2016</b>	<b>5.1 - 5.9</b>	<b>Quiz 5</b>	<b>Chap 5</b>
27	Thursday	11/17/2016	6.1 - 6.2	Pre-Qz6	
28	Tuesday	11/22/2016	6.3 - 6.4	6.1-6.2	
<b>NC</b>	<b>Thursday</b>	<b>11/24/2016</b>	<b>Thanksgiving - NO CLASS</b>		
29	Tuesday	11/29/2016	6.5 - 6.6	6.3-6.4	
30	Thursday	12/1/2016	Review Chap 6	6.5-6.6	
<b>31</b>	<b>Tuesday</b>	<b>12/6/2016</b>	<b>6.1 - 6.6</b>	<b>Quiz 6</b>	<b>Chap 6</b>
<b>FE</b>	<b>Thursday</b>	<b>12/8/2016</b>	<b>1.1 - 6.6</b>		<b>Final Exam</b>

## Acknowledgment of Receipt of Syllabus

Please read, sign and return the following acknowledgment to me in class, or return to me at the following address:

Jorge Guarin  
Tohono O'odham Community College  
P.O. Box 3129  
Sells, AZ 85634

- I have received my MAT 086 syllabus (including course objectives, policies, requirements and schedule) and have read and understood all the enclosed materials
- I have no objection to receiving an occasional call from the instructor at the number given with my registration materials.
- I prefer that the instructor not call or contact me by phone anytime during the semester.

My reason(s) for taking this course:

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My background in this area includes:

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- I would like to be contacted by the instructor regarding the following concerns:

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Print Name Clearly Here

Sign Name Here

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Student ID Number

Telephone Number

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Current Mailing Address/City/State/Zip

E-mail Address