

MAT075 PREALGEBRA–Number Sense, Geometry
CRN #10352 Three Rivers Community College, Norwich, Connecticut 06360

INSTRUCTOR INFORMATION

Mrs. Mary Anne Stewart, Adjunct Instructor

OFFICE: Adjunct Faculty Office, 1st floor Mohegan

OFFICE HOURS: Monday and Wednesday, 11:30 a.m. – 12:20 p.m. and by appointment.

Contact your instructor by phone, E-Mail, Vista, or before or after class to set up an appointment.

PHONE (VOICE MAIL): (860) 886-0177, ext. 2114

Leave your name, phone number, brief message and the best day and time for a return call.

E-MAIL: mstewart@trcc.commmnet.edu OR logon to <http://vista.ctdlc.org> and use the “Mail” feature

COURSE DESCRIPTION

This course focuses on basic arithmetic and pre-algebra skills. Topics include whole numbers, fractions, decimals, signed numbers, proportions, percents, algebraic expressions and equations, elements of geometry and statistics. (Course does not count towards the minimum requirements for graduation.) A grade of C or better is required to pass this course.

COURSE INFORMATION

Course Dates: Jan. 22, 2007 – May 16, 2007

Location: Mohegan Campus, Room 111

Days/Times: Mon. & Wed., 2:00 p.m. – 3:20 p.m.

Prerequisite: Acceptable placement score.

COURSE OBJECTIVES

To (re)introduce the student to the skills and concepts of basic arithmetic and prealgebra. The student will become familiar with and learn to work with whole numbers, fractions, decimals, signed numbers, proportions, percents, algebraic expressions and equations, elements of geometry and graphing.

REQUIRED TEXT

Prealgebra, fourth edition, K. Elayn Martin-Gay, Pearson, Prentiss Hall, ©2004

SUPPLIES

- Pencils and erasers. NO pens.
- One (1) three-ring notebook
- Paper for homework and taking notes in class
- One 6” or 12” ruler
- Tabbed dividers, sticky notes, color paper or similar to setup sections in your notebook
- Sticky notes for marking pages
- No calculators (The Math Dept. and your instructor do not allow the use of calculators in this course.)

EVALUATION, GRADES, and ATTENDANCE

The student’s grade for the course will be evaluated as follows.

- 4 tests (15% per test). Students are expected to take the tests during the scheduled classes. Make-up tests will be allowed only for extraordinary circumstances (e.g., death in the family, illness, religious observances, etc.) and if the student contacts the instructor prior to the date and time of the test. The student’s final exam grade will be used for any missed tests.
- 15 take-home quizzes. (1% per quiz) Ten (10) points deducted from quiz if it is handed in late.
- A mandatory final exam on the date and time scheduled (25%). No make-up, no retake.

Each test, quiz and the final exam will be graded based on a maximum of 100 points each.

GRADING SYSTEM (Letter Grades and Corresponding Numerical Grades):

A (94–100), A– (90–93), B+ (87–89), B (83–86), B– (80–82), C+ (77–79), C (73–76), C– (70–72), D+ (67–69), D (63–66), D– (60–62), F (below 60)

ATTENDANCE: Students are expected to arrive for class on time and to remain for the duration of the class meeting. It is the student's responsibility to request any missed work, assignments or materials before the next class. Students should notify the instructor of any absence(s).

HOMEWORK & NOTEBOOKS

Homework will be assigned at the end of each class. Students are expected to do homework regularly and to work on homework outside of class time. Students are to keep a notebook of course materials, class notes and homework. Notebooks and homework will be reviewed regularly by the instructor.

CLASSROOM ETIQUETTE

Respect for and courtesy toward one another are the rules in this classroom. Any student who is disrespectful or disruptive will be asked to leave the classroom. No food or drink in class.

CELLULAR PHONES AND BEEPERS

Cell phones and any other electronic/digital devices are allowed in class if they are turned off or turned to a silent mode. Under no circumstances are phones to be answered in class. When there is an extenuating circumstance that requires a student to be available by such a device, the student should speak to the instructor prior to class, so that together they can arrive at an agreement.

ACADEMIC INTEGRITY POLICY

Academic integrity is essential to a useful education. Failure to act with academic integrity severely limits a person's ability to succeed in the classroom and beyond. Furthermore, academic dishonesty erodes the legitimacy of every degree awarded by the College. In this class and in the course of your academic career, present only your own best work; clearly document the sources of the material you use from others; and act at all times with honor.

COLLEGE WITHDRAWAL POLICY

Students may withdraw, in writing at the Registrar's Office, for any reason until:

March 30 Last day to withdraw from classes without instructor's signature

April 23 Last day to withdraw from classes with instructor or advisor signature

DISABILITIES STATEMENT

Students with hidden or visible disabilities who may require special accommodations and support services are encouraged to notify the instructor and Chris Scarborough, (860) 892-5751, who is coordinating services to students with disabilities, during the first two weeks of class.

COURSE OUTLINE, SCHEDULE, HOMEWORK
 MAT075, PREALGEBRA, Mrs. Mary Anne Stewart

This schedule IS SUBJECT TO change at any time. Pay attention to announcements in class and refer to our course schedule at <http://vista.ctdlc.org>

CLASS DATES	SECTIONS, REVIEWS, or TESTS DUE: Handouts Assignments & Quizzes	HOMEWORK & ASSIGNMENTS (Section HW due next class)
Mon., 1/22	Course Intro & Overview 1.1 – Tips for Success in Mathematics HANDOUT: “Managing Your Time” HANDOUT: Addition & Mul. Tables Sections 1.2 – 1.6 1.2 – Place Value and Names for Numbers 1.3 – Adding Whole Numbers and Perimeter 1.4 – Subtracting Whole Numbers 1.5 – Rounding and Estimating 1.6 – Multiplying Whole Numbers and Area For the next class	Look through the textbook and course materials Read Sec. 1.1, pgs. 3–6 Complete #1–18 on pgs. 7–8 Complete the handout Complete the handout Read, study, and learn the words (in bold type) and the rules #1–73 EOO (every other odd) #1–65 EOO #1–77 EOO #1–69 EOO #1–73 EOO Read Sec. 1.7 – 1.9
Wed., 1/24	DUE: “Managing Your Time” Handout QUIZ: Ch. 1 Integrated Review, pgs. 79–80 HANDOUT: Chapter 1 Vocabulary (yellow) HANDOUT: “How Many Ways Can You Say ONE?” CLASS VISITS Marie Perle and TASC (Mohegan) 1.7 – Dividing Whole Numbers 1.8 – Exponents and Order of Operations 1.9 – Intro to Variables and Algebraic Expr For the next class	#1–45 odd Complete the handout Complete the handout #1–53 EOO #1–89 odd #1–59 odd Read Sec. 2.1 – 2.2
Mon., 1/29	DUE: QUIZ: Ch. 1 Integrated Review DUE: Chapter 1 Vocabulary Handout DUE: “How Many Ways Can You Say ONE?” Handout DUE: Addition & Multiplication Tables HANDOUT: Chapter 2 Vocabulary (yellow) HANDOUT: “How many ways can you say ZERO?” HANDOUT: Addition & Multiplication Tables 2.1 – Introduction to Integers 2.2 – Adding Integers For the next class	Complete the handout Complete the handout Complete the handout #1–95 odd #1–89 odd Read Sec. 2.3 – 2.4
Wed., 1/31	DUE: “How Many Ways Can You Say ZERO?” Handout DUE: Addition & Multiplication Tables HANDOUT: Addition & Multiplication Tables 2.3 – Subtracting Integers 2.4 – Multiplying and Dividing Integers QUIZ: Ch. 2 Integrated Review, pgs. 137–138	Complete the handout #1–81 odd #1–111 odd #1–33 odd

	For the next class	Read Sec. 2.5
Mon., 2/5	DUE: Addition & Multiplication Tables 2.5 – Order of Operations QUIZ: Ch. 2 Cumulative Review, pgs. 165–167 For the next class	#1–97 odd #1–49 odd Read Sec. 3.1 – 3.2
Wed., 2/7	DUE: QUIZ: Ch. 2 Integrated Review DUE: Chapter 2 Vocabulary Handout (yellow) 3.1 – Simplifying Algebraic Expressions 3.2 – Solving Equations: The Addition Property HANDOUT: Chapter 3 Vocabulary (yellow) For the next class	#1–79 odd #1–61 odd Complete the handout Read Sec. 3.3 – 3.4
Mon., 2/12	DUE: QUIZ: Ch. 2 Cumulative Review 3.3 – Solving Equations: The Multiplication Prop. 3.4 – Solving Linear Equations in One Variable QUIZ: Ch. 3 Integrated Review, pgs. 199–200 For the next class	#1–91 odd #1–67 odd #1–35 odd Read Sec. 3.5
Wed., 2/14	DUE: QUIZ: Ch. 3 Integrated Review HANDOUT: Chapter 3 Problem Solving (yellow) 3.5 – Linear Equations in One Variable and Problem Solving QUIZ: Ch. 3 Cumulative Review, pgs. 229–230 For the next class	Complete the handout #1–43 odd #1–49 odd Ch. 1 Test, 1–28 ALL Ch. 2 Test, 1–35 ALL Ch. 3 Test, 1–20 ALL
Mon., 2/19	NO CLASS - Presidents Day	
Wed., 2/21	DUE: QUIZ: Ch. 3 Cumulative Review DUE: Chapter 3 Vocabulary Handout (yellow) DUE: Chapter 3 Problem Solving Handout (yellow) Review Ch. 1 Review Ch. 2 Review Ch. 3	Ch. 1 Test, 1–28 ALL Ch. 2 Test, 1–35 ALL Ch. 3 Test, 1–20 ALL
Mon., 2/26	TEST: Chs. 1, 2 & 3 (Arrive on time.) For the next class	Read Sec. 4.1 – 4.3
Wed., 2/28	HANDOUT: Chapter 4 Vocabulary (yellow) 4.1 – Introduction to Fractions and Equivalent Fractions 4.2 – Factors and Simplest Form 4.3 – Multiplying and Dividing Fractions For the next class	Complete the handout #1–97 odd #1–61 odd #1–91 odd Read Sec. 4.4 – 4.5
Mon., 3/5	4.4 – Adding and Subtracting Like Fractions and Least Common Denominator (LCD) 4.5 – Adding and Subtracting Unlike Fractions QUIZ: Ch. 4 Integrated Review, pgs. 299–300	#1–77 odd #1–97 odd #1–33 ALL

	For the next class	Read Sec. 4.6 – 4.8
Wed., 3/7	4.6 – Complex Fractions and Review of Order of Operations #1–53 odd 4.7 – Solving Equations Containing Fractions #1–53 odd 4.8 – Operations on Mixed Numbers #1–107 odd QUIZ: Ch. 4 Cumulative Review, pgs. 355–358 #1–49 odd For the next class Ch. 4 Test, 1–38 ALL	
Mon., 3/12	DUE: QUIZ: Ch. 4 Integrated Review DUE: Chapter 4 Vocabulary Handout (yellow) Review Chapter 4	Ch. 4 Test, 1–38 ALL
Wed., 3/14	TEST: Ch. 4 (Arrive on time.) DUE: QUIZ: Ch. 4 Cumulative Review For the next class	Read Sec. 5.1 – 5.3
Mon., 3/19	NO CLASS: Spring Break	
Wed., 3/21	NO CLASS: Spring Break	
Mon., 3/26	HANDOUT: Chapter 5 Vocabulary (yellow) 5.1 – Introduction to Decimals 5.2 – Adding and Subtracting Decimals 5.3 – Multiplying Decimals and Circumference of a Circle For the next class	Complete the handout #1–91 odd #1–99 odd #1–69 odd Read Sec. 5.4 – 5.6
Wed., 3/28	5.4 – Dividing Decimals 5.5 – Estimating and Order of Operations 5.6 – Fractions and Decimals QUIZ: Ch. 5 Integrated Review, pgs. 411–412 For the next class	#1–69 odd #1–59 odd #1–71 odd #1–37 odd Read Sec. 5.7 – 5.8
Mon., 4/2	DUE: QUIZ: Ch. 5 Integrated Review 5.7 – Equations Containing Decimals 5.8 – Square Roots and the Pythagorean Theorem QUIZ: Ch. 5 Cumulative Review, pgs. 455–456 For the next class	#1–41 odd #1–53 odd #1–49 odd Read Sec. 6.1 – 6.2
Wed., 4/4	DUE: QUIZ: Ch. 5 Cumulative Review DUE: Chapter 5 Vocabulary Handout (yellow) HANDOUT: Chapter 6 Vocabulary (yellow) 6.1 – Ratios 6.2 – Rates QUIZ: Ch. 6 Integrated Review, pgs. 483–484 For the next class	Complete the handout #1–49 odd #1–45 odd #1–31 odd Read Sec. 6.3 – 6.4
Mon., 4/9	6.3 – Proportions 6.4 – Proportions and Problem Solving QUIZ: Ch. 6 Cumulative Review, pgs. 513–514 For the next class	#1–53 odd #1–43 odd #1–49 odd Ch. 5 Test, 1–29 ALL Ch. 6 Test, 1–20 ALL
Wed., 4/11	DUE: QUIZ: Ch. 6 Integrated Review	

	DUE: QUIZ: Ch. 6 Cumulative Review DUE: Chapter 6 Vocabulary Handout (yellow) Review Chapters 5 Review Chapters 6	Ch. 5 Test, 1–29 ALL Ch. 6 Test, 1–20 ALL
Mon., 4/16	TEST: Chs. 5 & 6 (Arrive on time.) For the next class	Read Sec. 7.1 – 7.2
Wed., 4/18	HANDOUT: Chapter 7 Vocabulary (yellow) 7.1 – Percents, Decimals and Fractions 7.2 – Solving Percent Problems with Equations For the next class	Complete the handout #1–115 odd #1–35 odd Read Sec. 7.3 – 7.4
Mon., 4/23	7.3 – Solving Percent Problems with Proportions 7.4 – Applications of Percent QUIZ: Ch. 7 Integrated Review, pgs. 547–548 For the next class	#1–35 odd #1–47 odd #1–39 odd Read Sec. 7.5 – 7.6
Wed., 4/25	7.5 – Percent and Problem Solving: Sales Tax, Commission and Discount 7.6 – Percent and Problem Solving: Interest QUIZ: Ch. 7 Cumulative Review, pgs. 589–590 For the next class	#1–39 odd #1–31 odd #1–49 odd Read Sec. 8.3 – 8.4
Mon., 4/30	DUE: QUIZ: Ch. 7 Integrated Review DUE: QUIZ: Ch. 7 Cumulative Review DUE: Chapter 7 Vocabulary Handout (yellow) HANDOUT: Chapters 8 & 9 Vocabulary (yellow) 8.3 – The Rectangular Coordinate System 8.4 – Graphing Linear Equations QUIZ: Ch. 8 Cumulative Review, pgs. 675–676 For the next class	Complete the handout #1–35 odd #1–39 odd #1–31 odd, #35–45 odd Read Sec. 9.3 – 9.4
Wed., 5/2	9.3 – Perimeter 9.4 – Area and Volume QUIZ: Ch. 9 Cumulative Review, pgs. 789–791 Review Ch. 7 Review Ch. 8 Review Ch. 9	#1–43 odd #1–35 odd #1–37 odd Ch. 7 Test, #1–28 ALL Ch. 8 Test, #16–27 ALL Ch. 9 Test, 6–15 ALL
Mon., 5/7	TEST: Chapters 7, 8 & 9 (Arrive on time.) DUE: QUIZ: Ch. 8 Cumulative Review DUE: Chapters 8 & 9 Vocabulary Handout (yellow) For the next class	Study problems for final exam
Wed., 5/9	DUE: QUIZ: Ch. 9 Cumulative Review REVIEW for FINAL EXAM	Study problems for final exam
Mon., 5/14	FINAL EXAM (Arrive on time.)	
Wed., 5/16	(Make-up class, if necessary)	