

# VICTOR VALLEY COLLEGE SYLLABUS FALL 2008

Course No.: Math 10 Course Title: Basic Math Skills Units: 3.0  
Section No.: 21015 Class Hours: 7:05pm-8:30pm Days: MW Room No.: 30-13  
Instructor Name: Mr. Benjamin Egiebor Telephone: (909) 820-0800

## FALL CALENDAR

Fall Semester Begins	August 25
Labor Day Holiday (no classes)	September 1
End of 1st 8-week term	October 18
Beginning of 2nd 8-week term	October 20
Veteran's Day Holiday (no classes)	November 10
Thanksgiving Holidays (no classes)	November 27-30
Fall Semester Ends	December 13

## WITHDRAWAL POLICY

Last day to withdraw from a 16-week class and receive a "W" is September 17, 2008.

**NOTE - CLASSES WILL NOT BE HELD ON THE FOLLOWING DATES: Monday, September 1; Monday, November 10, and Thursday through Sunday, November 27-30. CLASSES WILL BE HELD ON SATURDAY, AUGUST 30.**

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**Prerequisite:** None

**Textbookasic:** Basic Mathematics, 10th Edition by Marvin L. Bittinger

**Course Description:** This course cover the basic operations applied to whole numbers, fractions (including mixed numbers) and decimals. Prime factorization, least common multiple, ratio and proportion, similar triangles, average, graphs and tables, square roots, the Pythagorean theorem, measurement, operations on signed numbers and solutions of simple linear equations are also covered.

## **Course Objectives:**

Upon completion of this course student will be able to:

- 1) Add, subtract, multiply, and divide whole numbers
- 2) Add, subtract, multiply, and divide fractions and mixed numbers
- 3) Add, subtract, multiply, and divide using decimal notation
- 4) Solve Ratio, Proportion, and Percent problems
- 5) Extract and interpret data from tables and graphs
- 6) Convert from American and Metric Units of lengths and convert between the two system of Units
- 7) Find the Perimeter, Area, and Volume of a Polygon

**Attendance Policy:** *(Class attendance is not a measure of performance or proficiency. Whether a student is just physically present in the class is not a valid basis for grading. Reference Title 5 Section 55002 of the California Code of Regulations: (A) Grading Policy. The course provides for measurement of student performance in terms of stated course objectives and culminates in a formal, permanently recorded grade based upon uniform standards in accordance with section 55758 of this Division. The grade is based on demonstrated proficiency in the subject matter and the ability to demonstrate that proficiency, at least in part, by means of written expression that may include essays, or, in courses where the curriculum committee deems them to be appropriate, by problem solving exercises or skills demonstrations by students.)*

<b>DATE</b>	<b>TOPICS</b>	
Aug. 25	Whole Numbers	1.1 - 1.3
Aug. 27	Whole Numbers	1.4 - 1.6
Sept. 1	HOLIDAY	
Sept. 3	Whole Numbers	1.7 - 1.9
Sept. 8	Fraction Notation	2.1 - 2.3
Sept. 10	Fraction Notation	2.4 - 2.6
Sept. 15	Fraction Notation	2.7- 3.2
Sept. 17	Fraction Notation	3.3 - 3.5
Sept. 22	Fraction Notation	3.6 - 3.7
Sept. 24	EXAM # 1	
Sept. 29	Decimal Notation	4.1 - 4.3
Oct. 1	Decimal Notation	4.4 - 4.6
Oct. 6	Ratio and Proportion	4.7 - 5.2
Oct. 8	Ratio and Proportion	5.3 - 5.5
Oct. 13	EXAM # 2	
Oct. 15	Percent Notation	6.1 - 6.3
Oct. 20	Percent Notation	6.4 - 6.6
Oct. 22	Percent Notation	6.7 - 7.1

<b>DATE</b>	<b>TOPICS</b>	
Oct. 27	Data, Graphs, & Statistics	7.2 - 7.4
Oct. 29	EXAM # 3	
Nov. 3	Measurement	8.1 - 8.3
Nov. 5	Measurement	8.4 - 8.6
Nov. 10	HOLIDAY	
Nov. 12	Geometry	8.7 - 9.2
Nov. 17	Geometry	9.3 - 9.4
Nov. 19	Geometry	9.5 - 9.6
Nov. 24	EXAM # 4	
Nov. 26	Real Numbers	10.1 - 10.4
Dec. 1	Solving Equations	11.1 - 11.3
Dec. 3	Solving Equations	11.4 - 11.5
Dec. 8	REVIEW FOR FINAL EXAM	
Dec. 10	FINAL EXAM	

## **NOTES:**

**TURN OFF CELL-PHONES AND BEEPERS DURING CLASS TIME**

**REMINDER:** The use of calculators is NOT appropriate for this course. This course is intended to teach students how to perform computations.

## **Grading Policy:**

<b>4 - EXAMS</b>	<b>-----60%</b>
<b>HOMEWORK</b>	<b>-----10%</b>
<b>QUIZZES (CLASSWORK)</b>	<b>-----10%</b>
<b>FINAL EXAM</b>	<b>-----20%</b>

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**TOTAL =**

**100%**

## **GRADING SCALE:**

- 90% - 100%=A**
- 80% - 89%=B**
- 70% - 79%=C**
- 60% - 69%=D**
- Less than 60%=F**

**Tentative Syllabus for Fall-08  
Math10 - Basic Mathematics Skills**

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<b>DATE</b>	<b>TOPICS TO BE COVERED</b>	<b>ASSIGNMENTS</b>
25-Aug-08	1.1 Standard Notation 1.2 Addition 1.3 Subtraction	(EOO) 1 - 36 (EOO) 1 - 32 (EOO) 1 - 48
27-Aug-08	1.4 Rounding and Estimating; Order 1.5 Multiplication 1.6 Division	(EOO) 1 - 36 (EOO) 1 - 44 (EOO) 1 - 52
1-Sep-08	HOLIDAY	
3-Sep-08	1.7 Solving Equations 1.8 Application & Problem Solving 1.9 Exponent & Order of Operations	(EOO) 1 - 48 (EOO) 1 - 26 (EOO) 1 - 62
8-Sep-08	2.1 Factorizations 2.2 Divisibility 2.3 Fractions & Fraction Notation	(EOO) 1 - 60 (EOO) 1 - 24 (EOO) 1 - 32
10-Sep-08	2.4 Multiplication & Applications 2.5 Simplifying 2.6 Multiplying, Simplifying, & Applica	(EOO) 1 - 38 (EOO) 1 - 48 (EOO) 1 - 46
15-Sep-08	2.7 Division and Applications 3.1 Least Common Multiple (LCM) 3.2 Addition and Applications	(EOO) 1 - 44 (EOO) 1 - 48 (EOO) 1 - 40
17-Sep-08	3.3 Subtraction, Order, & Applications 3.4 Mixed Numerals 3.5 Mixed Numerals & Applications	(EOO) 1 - 60 (EOO) 1 - 53 (EOO) 1 - 42
22-Sep-08	3.6 Mixed Numerals & Applications 3.7 Order of Operations	(EOO) 1 - 28 (EOO) 1 - 59
	Review for Exam 1	
24-Sep-08	Exam 1 covers Chapters one, two and three	
29-Sep-08	4.1 Decimal Notation and Rounding 4.2 Addition and Subtraction 4.3 Multiplication	(EOO) 1 - 70 (EOO) 1 - 57 (EOO) 1 - 56
1-Oct-08	4.4 Division 4.5 Change from Fraction to Decimal 4.6 Estlming	(EOO) 1 - 48 (EOO) 1 - 52 (EOO) 1 - 28
6-Oct-08	4.7 Applications & Problem Solving 5.1 Introduction to Ratios 5.2 Rates and Unit Prices	(EOO) 1 - 24 (EOO) 1 - 30 (EOO) 1 - 20
8-Oct-08	5.3 Proportions 5.4 Applications of Proportions 5.5 Geometric Applications	(EOO) 1 - 48 (EOO) 1 - 28 (EOO) 1 - 28
	Review for Exam 2	
13-Oct-08	Exam 2 covers Chapters 4 and 5	

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DATE	TOPICS TO BE COVERED	ASSIGNMENTS
15-Oct-08	6.1 Percent Notation 6.2 Percent & Fraction Notation 6.3 Solving % Problems Using % Equa	(EOO) 1 - 44 (EOO) 1 - 46 (EOO) 1 - 34
20-Oct-08	6.4 Solving % Problems Using Proport 6.5 Applications of Percent 6.6 Sales Tax, Commission, & Discoun	(EOO) 1 - 34 (EOO) 1 - 18 (EOO) 1 - 24
22-Oct-08	6.7 Simple and Compound Interest 6.8 Interest Rates on Credit Cards 7.1 Averages, Medians, and Modes	(EOO) 1 - 34 (EOO) 1 - 18 (EOO) 1 - 22
27-Oct-08	7.2 Tables and Pictographs 7.3 Bar Graphs and Line Graphs 7.4 Circles Graphs	(EOO) 1 - 22 (EOO) 1 - 20 (EOO) 1 - 16
	Review for Exam 3	
29-Oct-08	Exam 3 covers Chapters 6 and 7	
3-Nov-08	8.1 American Units 8.2 The Metric System 8.3 Converting between Units	(EOO) 1 - 36 (EOO) 1 - 36 (EOO) 1 - 34
5-Nov-08	8.4 Weight and mass 8.5 Capacity; Medical Applications 8.6 Time and Temperature	(EOO) 1 - 46 (EOO) 1 - 36 (EOO) 1 - 40
10-Nov-08	HOLIDAY	
12-Nov-08	8.7 Converting Units of Area 9.1 Perimeters 9.2 Area	(EOO) 1 - 32 (EOO) 1 - 20 (EOO) 1 - 34
17-Nov-08	9.3 Circles 9.4 Volume	(EOO) 1 - 30 (EOO) 1 - 24
19-Nov-08	9.5 Angles and Triangles 9.6 S. R. & Pythagorean Theorem	(EOO) 1 - 48 (EOO) 1 - 46
24-Nov-08	Exam 4 covers Chapters 8 and 9	
26-Nov-08	10.1 The Real Numbers 10.2 Addition of Real Numbers 10.3 Subtraction of Real Numbers	(EOO) 1 - 50 (EOO) 1 - 55 (EOO) 1 - 64
1-Dec-08	10.4 Multiplication of Real Numbers 10.5 Division of Real Numbers 11.1 Introduction to Algebra	(EOO) 1 - 54 (EOO) 1 - 42 (EOO) 1 - 49
3-Dec-08	11.2 The Addition Principle 11.3 The Multiplication Principle 11.4 Using the Principles Together	(EOO) 1 - 40 (EOO) 1 - 40 (EOO) 1 - 61
8-Dec-08	Review for Final Examination	
10-Dec-08	Final Exam is Comprehensive	