

BRONX COMMUNITY COLLEGE OF THE CITY UNIVERSITY OF NEW YORK
Department of Math and Computer Science

Accelerated Math 01 Section D34/80596 Fall 2014

1 Course Objectives

Proficiency in the arithmetic of signed numbers, fractions, mixed numbers and decimals.

Proficiency in the use and application of percents, ratios and proportions.

Ability to solve simple linear equations.

2 Logistics

Course	MTH 01: Fundamental Concepts and Skills in Arithmetic and Algebra
Section	D34/80596
Credit	0 credits / 4 hours
Corequisite	RDL 01, if required
Text	<i>Arithmetic: A Textbook for Math 01 3ed.</i> by Anthony Weaver and <i>MTH 01 Workbook</i> by Prof. Uma Iyer Both are available as a free download from the department's website at http://fsw01.bcc.cuny.edu/mathdepartment/Courses/Math/MTH01/math01.htm
Calculator	You will not need, nor be allowed, a calculator for this class.
Cell Phones	Please keep your phone on silent and off your desk. Besides being a distraction to you, taking calls and texting during class is disrespectful to your fellow students and instructor and can be disruptive. If you must take or make an emergency call during class please have the courtesy to quietly step outside.

2.1 Contact Information

Professor	Dr. Evangelia Antonakos
Email	Evangelia.Antonakos@bcc.cuny.edu
Class Website	find under the "Teaching" tab at Antonakos.net : http://fsw01.bcc.cuny.edu/evangelia.antonakos/file/MTH.01.Fall.2014.html
Office	CP (Carl Polowczyk Hall) 308A, (718) 289-5100 x3410
Office Hours	drop-in Mondays and Thursdays 9:30 – 10:00 a.m. and Wednesdays 1:30 – 2:30 p.m. Please email for appointments at other times.
Dept. Office	CP 315, (718) 289-5411
Dept. Website	www.bcc.cuny.edu/mathematicsComputerScience/math_cs.htm

I expect to be able to contact you at your BCC email address.

2.2 Meeting Times

Room	CP 320
Times	Mondays, Tuesdays, Wednesdays, & Thursdays 10:00 - 11:50 a.m., Aug. 28 – Oct. 23
Attendance	Please arrive on time. Arriving late disturbs the class and you miss material. If you have at least 9 hours of unexcused you may receive a WU grade if you do not pass. Three late arrivals are an absence.

3 WeBWorK

WeBWorK is an open-source, online homework system that we will be using in this course. You can log into our HW sets by clicking through our course webpage or by going directly to

<https://wmm01.bcc.cuny.edu/webwork2/MTH01.Fall12014-Antonakos/> . Your user name is your first initial followed by your last name, all in lower case letters. Your password is the last four digits of your SSN. You may change your password if you wish.

4 Tutoring

Students are always encouraged to see me or email me with questions on material or larger concerns with the course. My office hours are listed above.

The Tutorial Lab where faculty, staff, and student workers can help you understand the material. They are not there to do homework help. The Lab is in CP 303 and is open Monday through Thursday 10 a.m. to 8 p.m., Friday 10 a.m. to 5, and 10 a.m. to 3 p.m. on weekends. The telephone number is (718) 289-5100 x3029. No appointment is necessary, just sign in and find a seat at the MTH 01 table. Don't be shy, you and the other students you may meet there are the motivated students and can make excellent study partners.

5 Grading

Grades will be based on three cumulative in-class tests, about 20 online homework assignments, and the departmental final exam. Your Midterm grade will be your cumulative average at mid-semester. The two-hour final will be given on the last day of this accelerated course, October 23. Don't miss the tests! Make-ups will not be given unless arrangements are made ahead of time for genuine documented excuses. All are expected to attend and participate in all class sessions. Excessive absences may hurt your final grade.

Approximate Weights:	homework	20%
	3 tests	45%
	final exam	35%
		100%

Before each class, read the sections we will cover that day and try some exercises. This will help to learn the material more thoroughly and quickly. Dates may change slightly depending on our rate of progress.

DATE	SECTION
Th 8/28	1.1 Adding Whole Numbers 1.2 Subtracting Whole Numbers
Mo 9/1	NO CLASS: LABOR DAY
Tu 9/2	5.1 Adding Signed Numbers 5.2 Subtracting Signed Numbers
We 9/3	1.3 Multiplying Whole Numbers 1.4 Powers of Whole Number
Th 9/4	5.3 Multiplying Signed Numbers 5.5 Powers of Signed Numbers 5.6 Square Roots of Signed Numbers
Mo 9/8	1.5 Division of Whole Numbers 5.4 Dividing Signed numbers 1.6 Order of Operations
Tu 9/9	1.7 Average 1.8 Perimeter, Area, and the Pythagorean Theorem
We 9/10	2.1 What Fractions Mean 2.2 Proper and Improper Fractions 2.3 Mixed Numbers
Th 9/11	FIRST TEST
Mo 9/15	2.4 Multiplication of Fractions 2.5 Equivalent Fractions
Tu 9/16	2.6 Prime Factorization and the GCF 2.7 Pre-cancelling when Multiplying Fractions
We 9/17	2.8 Adding & Subtracting Fractions
Th 9/18	2.9 Comparison of Fractions 2.10 Division of Fractions
Mo 9/22	2.11 Mixed Numbers & Units
Tu 9/23	NO CLASS: FRIDAY SCHEDULE
We 9/24	NO CLASSES: ROSH HASHANA
Th 9/25	NO CLASSES: ROSH HASHANA

DATE	SECTION
Mo 9/29	2.12 Combined Operations with Fractions and Mixed Numbers
Tu 9/30	3.1 Decimal place values 3.2 Significant and Insignificant 0's 3.3 Comparing Decimals
We 10/1	SECOND TEST
Th 10/2	3.4 Rounding-off 3.5 Adding & Subtracting Decimals
Mo 10/6	3.6 Multiplying and Dividing Decimals by Powers of 10 3.7 Multiplication of General Decimals
Tu 10/7	3.8 Division of a Decimal by a whole number 3.9 Division of a Decimal by a Decimal
We 10/8	3.10 Percents, Conversions 3.11 Fractional Parts of Numbers
Th 10/9	4.1 Ratio 4.2 Proportions
Mo 10/13	NO CLASSES: COLUMBUS DAY
Tu 10/14	4.3 Percent Problems 4.4 Rates 4.5 Similar Triangles
We 10/15	5.7 Evaluating Expressions 5.8 Using Formulae
Th 10/16	THIRD TEST
Mo 10/20	5.8 Using Formulae
Tu 10/21	Review
We 10/22	Review
Th 10/23	FINAL EXAM