City University of New York
SYLLABUS | MATH 01
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

MATH 01 Fundamental Concepts and Skills in Arithmetic and Algebra

4 hours, 0 credits; Corequisite: RDL 01 if required.

We will meet twice a week: Monday and Wednesday from 6 PM to 8 PM. I will teach both ways: synchronous and asynchronous. From 6 to 7 PM, students will watch the video tutorial. New video will be posted by 6 PM every Monday and Wednesday. We will have synchronous class from 7 PM to 8 PM every Monday and Wednesday via ZOOM.

I will use a Hands-On approach to teach you all the major topics of Math 01. To emulate a real-classroom experience, I will be frequently using my two sons, Refath and Soborno in my hands-on activities, all of which will be uploaded to this page. You are expected to check this page on a daily basis and watch the videos.

Basics: Math 01 is an introductory mathematics course, in which you are expected to master the following 6 topics:

1. **Ch. 1: Whole Numbers** (4 hours)
2. **Ch. 2: Signed Numbers** (8 hours)
3. **Ch. 3: Fractions and Mixed Numbers** (16 hours)
4. **Ch. 4: Decimals and Percents** (8 hours).
5. **Ch. 5: Ratio and Proportion** (4 hours)
6. **Ch. 6: Toward Algebra** (6 hours)

You must spend at least 4 Hours a week, but there 0 Credits offered for this course.

Learning Objective: You are expected to have proficiency in the arithmetic of signed numbers, fractions, mixed numbers and decimals. Proficiency in the use and application of percent, ratios and proportions. Ability to solve simple linear equations.

Comments: I know this is an unusual semester, and it will not be easy to complete this course. But at the same time, this offers you a remarkable opportunity: In 1665, a young 23-year-old Cambridge student decided not to fear the Great Plague of London that killed over 500,000 English people. Instead he stayed focused on education because he believed that education is the best weapon to defeat all evils. That paid off: the same year he invented calculus to lay the foundation of physics. I hope that this Coronavirus pandemic will create the next Sir Isaac Newton.

Exams: There will be departmental mid-semester assessment exam (10%) and Final (10%). There will be 40 HomeWorks/Quizzes (80%). **N.B.**: The Department does not assign D grades in Math 01: the lowest passing grade is C-.

Academic Integrity
Academic dishonesty (such as plagiarism and cheating) is prohibited at Bronx Community College and is punishable by penalties, including failing grades, dismissal and expulsion. For additional information and the full policy on Academic Integrity, please consult the BCC College Catalog.

Accommodations/Disabilities
Bronx Community College respects and welcomes students of all backgrounds and abilities. In the event you encounter any barrier(s) to full participation in this course due to the impact of a disability, please contact the disAbility Services Office as soon as possible this semester. The disAbility Services specialists will meet with you to discuss the barriers you are experiencing and explain the eligibility process for establishing academic accommodations for this course. You can reach the disAbility Services Office at: disability.services@bcc.cuny.edu, Loew Hall, Room 211, (718) 289-5874.

AW 08/2016
link update 1/16 EA
Last updated 01/14/2019