

BRONX COMMUNITY COLLEGE
of the City University of New York
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.

Text: **Arithmetic: a Textbook for Math 01**, 5th ed., by Anthony Weaver, available online at <http://fsw01.bcc.cuny.edu/mathdepartment/Courses/Math/MTH01/ArithBook5thEd.pdf>

Learning 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.

A **supplementary work book** containing many practice problems, prepared by Prof. Uma Iyer, is available online at

<http://fsw01.bcc.cuny.edu/mathdepartment/Courses/Math/MTH01/iyer-workbook01-version4-spring2015.pdf>

Pace: There are 56 total class hours. The suggested allocation of class hours to chapter topics below leaves 10 hours free for quizzes, tests, and review.

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)

Exams: There will be **departmental mid-semester assessment exam**. Results of the assessment may be used at the instructor's discretion in determining a student's final grade, but the assessment must be administered and results must be returned to the Department office. There will be a **departmental final exam** which must be administered to all sections. Sample finals are available for instructors to consult.

Grading: In-class exams, quizzes, homeworks are given at the instructor's discretion. It is recommended that at least 4 in-class tests be given, including the midterm assessment. The final exam ordinarily counts for approximately 1/3 of a student's grade.

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.

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