

**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-.