COURSE TITLE: Math 071 – Basic Skills Math: Pre-College Algebra (Elementary Algebra)

COURSE DESCRIPTION: This course provides students with review of elementary algebra, including fundamental algebraic processes, linear and quadratic equations, graphing, word problems and applications. This course is offered as Pass/NC only. Lecture and individual and small group tutoring in Mathematics Laboratory Credit is not usable toward graduation. This course is offered as Pass/No Credit only and meets the Basic Skills Math Requirement.

COURSE MATERIALS:
1. MyLabsPlus Access Code (required). Access can be purchased in the bookstore or online
   Note: Pearson Tech Support number is: 1-800-677-6337
   TO ACCESS COURSE FROM HOME, go to montclair.mylabsplus.com
   Log in with user name: your NetID; password: mmddyy (your birthday) – you will change this
2. Calculator – scientific (recommended); Graphing Calculator allowed (no TI-89 or Inspire)
3. Headphones (required) for use in the Red Hawk Mathematics Learning Center.
4. Notebook devoted to the course and pencil/pen (required) – PAPER IS NOT PROVIDED TO STUDENTS EXCEPT FOR EXAMS.

GRADING STANDARD: In this course you will be evaluated based on your attendance, performance on homework, tests, hand-in assignments and a comprehensive final exam.
A. Homework – 15% of your grade (150 points) Homework is completed online during class time and at home. Homework assignments are untimed and you have unlimited attempts at each problem. For each problem there are many learning aides. You WILL need to spend additional time outside of scheduled class time to meet unit objectives (approximately 3-6 hours per week).
B. Attendance - 5% of your grade (50 points for attendance in the Center) Attendance grade is based on attendance during your scheduled weekly class times and is taken by completing an attendance “quiz” in MyLabsPlus at the start and end of each class.
C. Unit Tests and Mid Unit Tests – 50% of your grade (500 points total) There are three (3) Unit Tests and three 3 Mid Unit Tests which are timed and proctored in the Mathematics Learning Center. You will be allowed three (3) attempts for each test until you score above 70%. If you need to take a third attempt at a test, you will be required to meet with a tutor (by appointment or in drop in hours) prior to being permitted to take this attempt. If caught cheating, you will receive a 0 for that assessment with NO opportunity to retake it!
D. Final Exam – 30% of your grade (300 points) The final exam is administered and proctored in the Mathematics Learning Center during the University’s final exam period (or during last class in summer). Date and time will be provided during the semester and will be on the university website. It is a 2 hour exam and one (1) attempt is allowed.
E. Study Plan (for practice, not required) The study plan is another source of practice problems. Ask your instructor for ways to utilize this tool.

• The total points for this course are 1000 (100%).
• A grade of P (Pass) is earned if you obtain a final point total of 700 (70%) or greater and score of 550/800 or higher on items C & D above
• NC – No Credit is earned if the final point total is less than 700 (70%) or you scored lower than 550/800 on items C & D above

REMINDER: The Red Hawk Mathematics Learning Center is a classroom. As a courtesy to all students, cell phones must be turned off or silenced and put away. No visiting with other students, food or drinks (other than water) are allowed. See website for full list of policies.
RED HAWK MATHEMATICS LEARNING CENTER POLICIES

A. TESTING
- All testing is performed in the Red Hawk Mathematics Learning Center (RHMLC) under the supervision of a center proctor. Tests are scheduled at the end of each unit, however if you are ahead of schedule, see your instructor to make arrangement for testing.
- **YOU WILL BE REQUIRED TO SHOW A PICTURE ID** to be permitted to take a test and quiz.
- Cellular phones, additional resources, notes or papers of any kind are not permitted while testing.
  Paper for use while testing will be given to you by the test proctor. All paper must be turned into the proctor before leaving the testing area. Calculator use is at the discretion of your instructor.
  You may NOT use a cell phone, IPAD, tablet, etc. as a calculator!
- **If caught cheating, you will receive a 0 for that assignment with NO opportunity to retake it!**

B. USE OF THE COMPUTERS IN THE CENTER
- The computers in the Red Hawk Mathematics Learning Center are exclusively for math coursework. You may not work on assignments or papers for ANY other classes.
- Your time at the RHMLC is devoted to your math course work. If caught playing games, sending or reading email, or attending to social media sites, you will be asked to leave and will not receive attendance credit for your time that day.
- You are required to attend the RHMLC during your scheduled time; attendance is part of your grade. There may be additional computers available for drop-in use, on a first come first serve basis. If you would like to spend additional time or get additional help at the RHMLC, see a Center assistant to use a drop-in computer. Scheduled drop-in hours are posted on the RHMLC’s website.
- **Note:** MyMathLab is both PC and Mac compatible and works with any browser and home computer. The Computer Labs around campus are available for your use outside of class time.

GETTING HELP
Help is available! Just ask! As you work in the Math Learning Center, several tutors will be circulating to give assistance when you need it most. In addition, there will always be a full-time instructor in the lab, as well as graduate assistants. Simply place the red cup on your computer monitor to get the attention of the qualified help.

ADDITIONAL TUTORING SERVICES:
1. Drop-in hours for RHMLC are posted on around the Center and on the website. Help is available when the Center is open. [http://www.montclair.edu/csam/red-hawk-math-learning-center](http://www.montclair.edu/csam/red-hawk-math-learning-center)
2. Center for Academic Development and Assessment – Morehead Hall – Room 140. See CADA website for tutoring hours: [http://www.montclair.edu/cada/tutorial/index.html](http://www.montclair.edu/cada/tutorial/index.html)
3. On-line tutoring OR through Pearson (24 hour support) [www.pearsontutorservices.com](http://www.pearsontutorservices.com) or tutor@pearson.com.
4. Phone tutoring (1-800-877-3016) is available through the Pearson Tutor Center. **They are open Sunday through Thursday, 5:00p – midnight.**

ACADEMIC INTEGRITY
You are responsible for your own work. Any attempt to cheat will be a violation of the Code of Conduct and subject to academic penalties. See the school’s academic code for further information on penalties for such misconduct. ([http://www.montclair.edu/deanstudents/studentconduct/codeofconduct.html#academicdishonesty](http://www.montclair.edu/deanstudents/studentconduct/codeofconduct.html#academicdishonesty))

DISABILITIES RESOURCES
Montclair State University is committed to the full inclusion of students with disabilities in all curricular and co-curricular activities as mandated by Section 504 of the Rehabilitation Act of 1973. The Disability Resource Center (DRC) will assist students in receiving the accommodations and services necessary to equalize access. The DRC provides assistance to students with physical, sensory, learning, psychological, neurological, and chronic medical disabilities. The mission of the DRC is to unite the Montclair State University community in an effort to provide students with disabilities the excellence and equity in education to which they are legally entitled. For further information and assistance Contact the Disability Resource Center in **Webster Hall** or by phone 973-655-5431.
COURSE OBJECTIVES


Review of pre-algebra topics: order of operations, signed number operations, fractions

Linear Equations and Inequalities - Solving linear equations and linear inequalities and interpreting their solutions

Graphs and Functions - The rectangular coordinate system, ordered pairs as solutions to equations in two variables, graphs of equations, slope and graphs of linear equations, equations of lines

Systems of Equations - Solving systems of equations in two variables by graphing, substitution, and the method of elimination

Exponents, Polynomials and Factoring - Integer exponents, adding and subtracting polynomials, multiplying polynomials, factoring by grouping and special forms (difference of two squares, sum of two cubes, and difference of two cubes), factoring completely, factoring trinomials, and solving polynomial equations by factoring

Rational Expressions, Equations, and Functions - Simplifying rational expressions, multiplying and dividing rational expressions, adding and subtracting rational expressions and solving rational equations

Radicals - Roots and radicals, simplifying radical expressions, adding and subtracting radical expressions, multiplying and dividing radical expressions, solving radical equations resulting in linear equations