

NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE

COURSE SYLLABUS

Course Title: Pre-Algebra Skills

Course #: ASD* 075

Course Description: Computational, problem solving, and analytical reasoning skills with an emphasis on step by step procedure. Topics covered: whole numbers, fractions, decimals, ratio and proportion, percent, measurement, fundamentals of geometry, fundamentals of statistics and probability, integers and rational numbers, algebraic expressions and equations, graphing linear functions. Does not fulfill degree credit requirements. 3 semester hours.

Pre-requisite/Co-requisite: Accuplacer Test score of ≤ 49.9 (Arithmetic, CA02)

Goals: The ultimate goal of this course is to prepare students for success in MAT 094 – Introduction to Algebra by developing their fundamental computational and analytical reasoning skills.

Outcomes: At the end of the course, the student will be able to

1. perform computations with whole numbers
2. evaluate numerical expressions using order of operations,
3. determine least common multiple and greatest common factor using prime factors and exponents
4. perform computations with fractions and mixed numbers
5. perform computations with decimals
6. calculate decimal – fraction - percent conversions
7. calculate ratio, proportion and percent
8. solve proportions
9. perform English – metric measurement conversions
10. calculate perimeter, area, and volume
11. perform computations with integers
12. perform basic operations with algebraic expressions and polynomials
13. solve basic first degree equations
14. demonstrate understanding of the Cartesian coordinate system
15. graph basic linear functions in the form $Ax + By = C$
16. construct bar graphs, pictographs, and line graphs, and circle graphs
17. construct frequency distributions and histograms
18. understand and determine fundamental probability of occurrence of an event
19. apply understanding of all of the above concepts to the solution of practical problems

College Policies

Plagiarism: Plagiarism and Academic Dishonesty are not tolerated at Northwestern Connecticut Community College. Violators of this policy will be subject to sanctions ranging from failure of the assignment (receiving a zero), failing the course, being removed/expelled from the program and/or the College. Please refer to your “Student Handbook” under “Policy on Student Rights,” the Section entitled “Student Discipline,” or the College catalog for additional information.

Americans with Disabilities Act (ADA): The College will make reasonable accommodations for persons with documented learning, physical, or psychiatric disabilities. Students should notify Dr. Christine

Woodcock, the Counselor for Students with Disabilities. She is located at Green Woods Hall, in the Center for Student Development. Her phone number is 860-738-6318 and her email is cwoodcock@nwcc.edu.

School Cancellations: If snowy or icy driving conditions cause the postponement or cancellation of classes, announcements will be made on local radio and television stations and posted on the College's website at www.nwcc.edu. Students may also call the College directly at **(860) 738-6464** to hear a recorded message concerning any inclement weather closings. Students are urged to exercise their own judgment if road conditions in their localities are hazardous.

"Some course content as presented in Blackboard Learn is not fully supported on mobile devices at this time. While mobile devices provide convenient access to check in and read information about your courses, they should not be used to perform work such as taking tests, quizzes, completing assignments, or submitting substantive discussion posts."

Sexual Assault and Intimate Partner Violence Resource Team: NCCC is committed to creating a community that is safe and supportive of people of all gender and sexual identities. This pertains to the entire campus community, whether on ground or virtual, students, faculty, or staff.

Sexual assault and intimate partner violence is an affront to our national conscience, and one we cannot ignore. It is our hope that no one within our campus community will become a victim of these crimes. However, if it occurs, NCCC has created the SART Team - Sexual Assault and Intimate Partner Violence Resource Team - to meet the victim's needs. SART is a campus and community based team that is fully trained to provide trauma-informed compassionate service and referrals for comprehensive care. The team works in partnership with The Susan B. Anthony Project to extend services 24 hours a day, 7 days a week throughout the year.

The NCCC team members are:

Ruth Gonzalez, Ph.D.	860-738-6315	Green Woods Hall Room 207
Susan Berg	860-738-6342	Green Woods Hall Room 223
Kathleen Chapman	860-738-6344	Green Woods Hall Room 110
Michael Emanuel	860-738-6389	Founders Hall Annex Room 308
Seth Kershner	860-738-6481	Library
Jane O'Grady	860-738-6393	Founders Hall Annex Room 212
Robin Orlomoski	860-738-6416	Business Office Room 201
Patricia Bouffard, Ex-Officio	860-738-6319	Founders Hall Room 103
Savannah Schmitt		Student Representative

At NCCC we care about our students, staff and faculty and their well-being. It is our intention to facilitate the resources needed to help achieve both physical and emotional health.