Wharton County Junior College

Administrative Master Syllabus

Course Information

Course Title	Support Course for Beginning Algebra
Course Prefix, Num. and Title	NCMB 0208
Division	Math & Physical Sciences
Department	Math/College Readiness Math
Course Type	Academic General Education Course (from ACGM, but not WCJC Core)
Course Catalog Description	Topics include fundamentals of whole numbers, fractions, decimals, percents, integers, order of operations, prime factorization, greatest common factor, least common multiple, variable expressions and introduction to graphs and linear equations. Additional topics may include measurement, elementary statistics, and basic geometry.
Pre-Requisites	TSI Placement and Advisor/Instructor Recommendation
Co-Requisites	MATH 0308 Beginning Algebra

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours: Lab/Other Hours	2:2:0
Equated Pay Hours	2
Lab/Other Hours Breakdown: Lab Hours	0
Lab/Other Hours Breakdown: Clinical Hours	0
Lab/Other Hours Breakdown: Practicum Hours	0
Other Hours Breakdown	0

Approval Signatures

Title	Signature	Date
Prepared by:	Yvonne Smith Digitally signed by Yvonne Smith DN: cn=Yvonne Smith, o=WCJC, ou=Math and Physical Science, email=smithy@wcjc.edu, c=US Date: 2022.08.08 15:32:23 -05'00'	
Department Head:	Yvonne Smith Digitally signed by Yvonne Smith DN: cn=Yvonne Smith, o=WCJC, ou=Math and Physical Science, email=smithy@wcjc.edu, c=US Date: 2022.08.08 15:32:52 -05'00'	
Division Chair:	Jennifer Mauch Digitally signed by Jennifer Mauch DN: cn=Jennifer Mauch, o, ou=Wharton County Junior College, email=mauchj@wcjc.edu, c=US Date: 2022.08.18 16:01:05 -05'00'	
Dean/VPI:	Leigh Ann Collins Digitally signed by Leigh Ann Collins Date: 2022.08.30 12:14:09 -05'00'	
Approved by CIR:		

Additional Course Information

Topical Outline: Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

Place Value
Operations on Whole Numbers
Exponents and Order of Operations
Operations on Integers
Simplifying Algebraic Expressions
Solving Linear Equations
Factors and Prime Factorization
Operations on Fractions
Operations on Decimals
Percents, Fractions, and Decimals
Graphing and Introduction to Statistics
Geometry and Measurement

Course Learning Outcomes:

Learning Outcomes – Upon successful completion of this course, students will:

1. Perform operations on real numbers.
2. Perform operations on and evaluate algebraic expressions, including polynomials.
3. Understand properties of and demonstrate the ability to write, solve, and graph linear equations and linear inequalities.
4. Understand properties of and demonstrate the ability to solve and graph linear equations in two variables.
5. Apply the rules for exponents to simplify expressions.
6. Understand and apply factoring rules to polynomial expressions.
7. Solve mathematic and scientific formulas for a specified variable.
8. Understand characteristics of, identify, and evaluate functions.

Methods of Assessment:

Optional Methods of Assessment:

- Hour Exams
- Homework
- Quizzes
- Short Answer
- Discussion Board
- Participation
- Projects

Required text(s), optional text(s) and/or materials to be supplied by the student:

"Beginning and Intermediate Algebra" by Miller, McGraw Hill, 6th edition.

Students must have computer access to the WCJC website, their WCJC student email and online accounts. WCJC has open computer labs, with internet access, on all campuses for students to use.

Suggested Course Maximum:

20

List any specific or physical requirements beyond a typical classroom required to teach the course.

None

Course Requirements/Grading System: Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

A. MATH 0308 Grade	25%
B. Other Course Requirements	75%

A = 100-90
B = 89-80
C = 79-70
D = 69-60
F = 59 or below

Curriculum Checklist:

☒**Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.

☐**Administrative WCJC Core Course**. Attach the Core Curriculum Review Forms

- ☐Critical Thinking
- ☐Communication
- ☐Empirical & Quantitative Skills
- ☐Teamwork
- ☐Social Responsibility
- ☐Personal Responsibility

☐**WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist