Eastern WV Community & Technical College
Master Course Record

Course Prefix and Number BUS 281
Course Title: Business Algebra
Recommended Transcript Title: Business Algebra
Date Approved/Revised: 03-30-21
Credit Hours: 3

Contact hours per week (Based on 15 week term):
     Lecture: 3
     Lab:

Prerequisite: Math ACT score 19, SAT math score 500, Accuplacer Elementary Algebra Score of 76, MTH 121, or permission of the instructor.   **Corequisite:** None   **Pre/Corequisite:** None
Grading Mode: Letter Grade
Catalog Description: This course is the basic study of algebraic functions, graphs, and processes applied to business and economics. Topics include polynomial, exponential and logarithmic functions, systems of equations, rational, radical, and analyzing business data.   - Demonstrate competency and apply knowledge of properties of functions, including domain and range, compositions, operations, inverses and piecewise-defined functions.   - Perform algebraically manipulations including simplifying exponents, and radicals.   - Analyze and apply solution techniques, including graphing for first and second-degree equations and inequalities, radical, exponential, and logarithmic equations as they relate to business and economics.   - Evaluate, analyze and apply solution techniques, including graphing for roots of higher degree polynomial, and rational functions.   - Find the maximum or minimum value for a quadratic function.   - Solve systems of equations for two and three variables.   - Analyze a set of business data using quantitative technique
Implementation Cycle: Spring
Role in College Curriculum: (Check all that apply)   ☐ **General Education Core (Specify category)**   ☐ **Technical Core**   **X Restricted Elective** AAS BUS, AAS ACC, CAS BUS and CAS ACC   ☐ **General Elective**   ☐ **Workforce Education**   ☐ **Other (Please specify)**
Course Fee: None
Instructor's Qualifications: Master's degree with 18 graduate hours in Business Management
Expanded Course Description:

Tutorial labs and other hands-on activities as they related to business and economics are included.

Prepared by: Seyed Mirkhani,
Division Chair for Business Computer and Information Technology 03/04/2021

Name, Title   Date

Approved Per LOT Minutes: 03-30-21
Dean of Teaching and Learning   Date