

Developmental Courses (pre-requisites for college-level courses)

DMA 010. Operations With Integers. 1.0 Credit. Class-0.75. Clinical-0.0. Lab-0.5. Work-0.0

This course provides a conceptual study of integers and integer operations. Topics include integers, absolute value, exponents, square roots, perimeter and area of basic geometric figures, Pythagorean theorem, and use of the correct order of operations. Upon completion, students should be able to demonstrate an understanding of pertinent concepts and principles and apply this knowledge in the evaluation of expressions.

Prerequisites: Take ABL 6014

DMA 020. Fractions and Decimals. 1.0 Credit. Class-0.75. Clinical-0.0. Lab-0.5. Work-0.0

This course provides a conceptual study of the relationship between fractions and decimals and covers related problems. Topics include application of operations and solving contextual application problems, including determining the circumference and area of circles with the concept of pi. Upon completion, students should be able to demonstrate an understanding of the connections between fractions and decimals.

Prerequisites: Take DMA 010

DMA 030. Proportion/Ratios/Rates/Percents. 1.0 Credit. Class-0.75. Clinical-0.0. Lab-0.5. Work-0.0

This course provides a conceptual study of the problems that are represented by rates, ratios, percent, and proportions. Topics include rates, ratios, percent, proportion, conversion of English and metric units, and applications of the geometry of similar triangles. Upon completion, students should be able to use their understanding to solve conceptual application problems.

Prerequisites: Take All: DMA 010 and DMA 020

DMA 040. Expressions, Linear Equations, Linear Inequalities. 1.0 Credit. Class-0.75. Clinical-0.0. Lab-0.5. Work-0.0

This course provides a conceptual study of problems involving linear expressions, equations, and inequalities. Emphasis is placed on solving contextual application problems. Upon completion, students should be able to distinguish between simplifying expressions and solving equations and apply this knowledge to problems involving linear expressions, equations, and inequalities.

Prerequisites: Take DMA 010 DMA 020 DMA 030

DMA 050. Graphs and Equations of Lines. 1.0 Credit. Class-0.75. Clinical-0.0. Lab-0.5. Work-0.0

This course provides a conceptual study of problems involving graphic and algebraic representations of lines. Topics include slope, equations of lines, interpretation of basic graphs, and linear modeling. Upon completion, students should be able to solve contextual application problems and represent real-world situations as linear equations in two variables.

Prerequisites: Take DMA 010 DMA 020 DMA 030 DMA 040

DMA 060. Polynomial and Quadratic Applications. 1.0 Credit.

Class-0.75. Clinical-0.0. Lab-0.5. Work-0.0

This course provides a study of problems involving algebraic representations of quadratic equations. Topics include basic polynomial operations, factoring polynomials, and solving polynomial equations by means of factoring. Upon completion, students should be able to find algebraic solutions to contextual problems with quadratic applications.

Prerequisites: Take DMA 010 DMA 020 DMA 030 DMA 040 DMA 050

DMA 070. Rational Expressions and Equations. 1.0 Credit. Class-0.75. Clinical-0.0. Lab-0.5. Work-0.0

This course provides a study of problems involving algebraic representations of rational equations. Topics include simplifying and performing operations with rational expressions and equations, understanding the domain, and determining the reasonableness of an answer. Upon completion, students should be able to find algebraic solutions to contextual problems with rational applications.

Prerequisites: Take DMA 010 DMA 020 DMA 030 DMA 040 DMA 050 DMA 060

DMA 080. Radical Expressions and Equations. 1.0 Credit. Class-0.75. Clinical-0.0. Lab-0.5. Work-0.0

This course provides a study of problems involving algebraic representations of the manipulation of radical expressions and the application of radical equations. Topics include simplifying and performing operations with radical expressions and rational exponents, solving radical equations, and determining the reasonableness of a solution. Upon completion, students should be able to find algebraic solutions to contextual problems with radical applications.

Prerequisites: Take DMA 010 DMA 020 DMA 030 DMA 040 DMA 050 DMA 060 DMA 070

DRE 096. Integrated Reading and Writing I. 3.0 Credits. Class-2.5. Clinical-0.0. Lab-1.0. Work-0.0

This course is designed to develop proficiency in specific integrated and contextualized reading and writing skills and strategies. Topics include reading and writing processes, critical thinking strategies, and recognition and composition of well-developed, coherent, and unified texts; these topics are primarily taught at the introductory level using texts primarily in a Lexile (TM) range of 960 to 1115. Upon completion, students should be able to apply those skills toward understanding a variety of academic and career-related texts and composing effective paragraphs. Please note: (TM) stands for registered trademark.

DRE 097. Integrated Reading and Writing II. 3.0 Credits. Class-2.5. Clinical-0.0. Lab-1.0. Work-0.0

This course is designed to develop proficiency in integrated and contextualized reading and writing skills and strategies. Topics include reading and writing processes, critical thinking strategies, and recognition and composition of well-developed, coherent, and unified texts; except where noted, these topics are taught at a reinforcement level using texts primarily in a Lexile (TM) range of 1070 to 1220. Upon completion, students should be able to demonstrate and apply those skills toward understanding a variety of complex academic and career texts and composing essays incorporating relevant, valid evidence. Please note: (TM) represents registered trademark.

Prerequisites: TAKE DRE 096

Developmental Courses (pre-requisites for college-level courses)

DRE 098. Integrated Reading and Writing III. 3.0 Credits. Class-2.5.

Clinical-0.0. Lab-1.0. Work-0.0

This course is designed to develop proficiency in integrated and contextualized reading and writing skills and strategies. Topics include reading and writing processes, critical thinking strategies, and recognition and composition of well-developed, coherent, and unified texts; these topics are taught using texts primarily in the Lexile (TM) range of 1185 to 1385. Upon completion, students should be able to apply those skills toward understanding a variety of texts at the career and college ready level and toward composing a documented essay. Note: (TM) represents registered trademark.

Prerequisites: TAKE DRE 097