MAT: MATHEMATICS

Courses | Credit(s) | Contact | Lab
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MAT 0018C. DEVELOPMENTAL MATHEMATICS I. | 3 | 3 | 1

DEVELOPMENTAL MATHEMATICS I This is the first course in college-preparatory two-course sequence (MAT 0018C and MAT 0028C) designed to prepare students for MAT 1033C/Intermediate Algebra, MGF 1106/College Math, and STA 1001C/Introduction to Statistical Reasoning. This course emphasizes the fundamental mathematical operations with application to beginning algebra. Significant time will be devoted to connections between mathematics and other academic disciplines and to applications outside educational settings. Minimum grade of C required for successful completion. This course does not apply toward mathematics requirements in general education or toward any associate degree. (Special Fee: $57.00).

MAT 0022C. DEVELOPMENTAL MATHEMATICS COMBINED | 4 | 4 | 1

DEVELOPMENTAL MATHEMATICS COMBINED Prerequisite: Appropriate score on an approved assessment. This college-preparatory course is designed to prepare students for MAT 1033C Intermediate Algebra. Topics include sets, computations with decimals, percents, integers, operations with rational and polynomial expressions, solving linear equations and simplifying expressions, plane geometric figures and applications, graphing ordered pairs and lines and determining the intercepts of lines. A minimum course grade of C is required for successful completion of this course. This course does not apply towards mathematics requirements in general education or toward any associate degree. (Special Fee: $57.00).

MAT 0028C. DEVELOPMENTAL MATHEMATICS II | 3 | 3 | 1

DEVELOPMENTAL MATHEMATICS II Prerequisite: Minimum grade of C in MAT 0018C or appropriate score on approved assessment. This college-preparatory course is designed to supplement the algebraic background of students prior to taking MAT 1033C Intermediate Algebra. Topics include sets, fundamental operations with polynomials, linear equations and inequalities with applications, factoring and its use in algebra, introduction to graphing of linear equations, introduction to radicals. Calculators are not There is no calculator permitted on the final exam. State Competency Test. A passing score on the State Competency Test is required for a minimum final course grade of C, which is required for successful completion of the course. This course does not apply toward mathematics requirements in general education or toward any associate degree. (Special Fee: $57.00).

MAT 0055. DEVELOPMENTAL MATHEMATICS MODULE I | 1 | 1 | 0

DEVELOPMENTAL MATHEMATICS MODULE I Pre-requisite: Score of 110-112 on PERT and department approval. This course provides specialized instruction in developmental mathematics concepts to prepare students for MAT 1033C, Intermediate Algebra. Topics include fundamental operations on polynomials, linear equations and inequalities with applications, factoring and its use in algebra, introduction to graphing linear equations, introduction to radicals and rational expressions. Upon completion of the P.E.R.T. diagnostic or a Mathematics division diagnostic, students will be assigned one or two topic modules. Students must complete each module with a grade of C. This course does not apply toward mathematics requirements in general education or toward any associate degree.

MAT 0056. DEVELOPMENTAL MATHEMATICS MODULE II | 2 | 2 | 0

DEVELOPMENTAL MATHEMATICS MODULE II Prerequisite: Score of 110-112 on PERT and department approval. This course provides specialized instruction in developmental mathematics concepts to prepare students for MAT 1033C, Intermediate Algebra. Topics include fundamental operations on polynomials, linear equations and inequalities with applications, factoring and its use in algebra, introduction to graphing linear equations, introduction to radicals and rational expressions. Upon completion of the P.E.R.T. diagnostic or a Mathematics division diagnostic, students will be assigned one or two topic modules. Students must complete each module with a grade of C. This course does not apply toward mathematics requirements in general education or toward any associate degree.

MAT 0022C or MAT 0028C or MAT 0055 or MAT 0056 or appropriate score on an approved assessment. This course presents algebraic skills for MAC 1105. Topics include linear equations and inequalities in two variables and their graphs, systems of linear equations and inequalities, introductions to functions, factoring, algebraic functions, rational equations, radical and rational exponents, complex numbers, quadratic equations, scientific notation, applications of the above topics and the communication of mathematics. Applications emphasizing connections with disciplines and the real world will be included. This course carries general elective credit but does not satisfy either Gordon Rule or general education requirements. (Special Fee: $57.00).

MAT 1905. DIRECTED INDIVIDUAL STUDIES. | 1-4 | | variable

DIRECTED INDIVIDUAL STUDIES Provides opportunity to develop specific individual program-related mathematical skills and/or concepts in individualized setting. May not be used in lieu of any mathematics course listed in catalog. Application must be made to department office.

MAT 2930. SELECTED TOPICS IN MATHEMATICS | 1-3 | | variable

SELECTED TOPICS IN MATHEMATICS Prerequisite: Minimum grade of C in MAC 1105 or appropriate score on an approved assessment. Examines selected topics in mathematics based on historical, theoretical, application or research approach. Does not apply toward Gordon Rule or general education requirements. Multiple credit course. May be repeated for credit, but grade forgiveness cannot be applied.