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MAT 1050 Preparation for The 4 Hour Credit Age Credit Prerequisite: The results of the math class test are appropriate for this course within the last two years. NOTE: DUE TO FEDERAL REGULATIONS THIS COURSE MAY NOT BE ELIBIGLE FOR FEDERAL FINANCIAL AID. PLEASE CHECK WITH YOUR FINANCIAL AID OFFICE. This course is designed for students with little to no number and/or plans to have primary ao daim out. Topics will include in in inso, insoth, and tithing; ratios, proportions and percentages; positive exponents and square roots; circaferness, area and volume; unit conversion includes figures; positive and negative numbers; solving linear equations and word problems; basic activities with polynies; graph of the line; The guide will emphasize the development of math learning skills and will be diverse to include lectures, exploration and practice. BILLABLE CONTACT HOURS: 4 MAT 1070 Business Math 3 Credit Hours Equivalent: MAT 1010 Prerequisites: Math class test results are appropriate for this course within the last two years. This course includes evaluating add, subtract, by and divide in in ins in insomers, percent and tithing, averages, and working with percentages. Applications include payroll, cash and commercial discounts, invoices, mark-and-markers, depreciation, small loans, purchases, simple interest rates and compounds, and annuity with a focus on using business formulas to solve problems. BILLABLE CONTACT HOURS: 3 Mat 1100 Elementary Algebra 4 Credit Hours Equivalent: MAT 1120 Prerequisites: MAT 1050 or university transfer course equivalent to a 'C' or higher within the last three years or grade appropriate math on MAT 1100 within the last two years. The nature of real numbers; first-degree equations and inequalities; word problems; ins inso number; polynies and liquidity covers; reasonable expression; graphing linear equations and inequalities; solving systems by graphing, replenishing and replacing; radicals; second-tier equations and second-tier formulas. BILLABLE CONTACT HOURS: 4 MAT 1125 Math Literacy 4 Credit Hours Prerequisites: MAT 1050 with a score of 'C' or higher over the past three years or the appropriate math position within the last two years. This course will provide the skills necessary to succeed in college-level math courses such as Statistics or Dosing. Topics include angology, mathematical and investigative thinking, proportional reasoning, basic ao number concepts, linear and exponential functions, and basic statistical concepts. Practical applications, computer graphing, spreadsheets and internet resources are integrated throughout the course. This course is designed for non-STEM (Science, Technology, Engineering and Mathematics) students. BILLABLE CONTACT HOURS: 4 MAT 1150 Intermediate Equivalent credit hours: MAT 1130 Prerequisites: MAT 1100 or university transfer course equivalent to 'C' or higher within the last three years or appropriate math class in MAT 1150 within the last two years. Consider the basics from primary ao daim out; absolute value equation and inequality; thorough and reasonable exponents; complex numbers; complete the square; the person who discriminates against the birth; second-tier inequality; equations of the lines; equation system; conical parts; their functions, inverses and graphs; word problems; exponentials and logs. BILLABLE CONTACT HOURS: 4GE Results: Critical Thinking, Mat 1500 Limited Mathematics 4 Hour Credit Prerequisites: MAT 1150 or university transfer course equivalent to 'C' or higher within the last three years or graded appropriate math in MAT 1500 within the last two years. Designed primarily for business and social science students. Basic functions, linear equation system, linear modeling, matrix theory, linear programming, set theory, combination, probability theory and decision making. NOTE: This course will not replace MAT 1540, MAT 1560, or MAT 1630 in preparation for MAT 1730. BILLABLE CONTACT HOURS: 4GE Results: Critical Thinking, Mat 1525 Dosing 1525 4 Hour Credit Prerequisites: MAT 1125 or MAT 1150 with 'C' or better within the last three years or appropriate mathematical position within the last two years. This course is a liberal arts class for students who are pursuing a degree and/or programs that do not require courses in statistics, pre-calculation or comm calculations. Upon completion of the course, students will be able to represent and communicate mathematical information symbolically, visually, graphically and digitally. Topics include problem solving, sets, logic, statistical reasoning, probability, finance, equation applications, and the application of functions. Functional types include linear, second-tier, exponential, and logical. BILLABLE CONTACT HOURS: 4GE Results: Critical Thinking, Mat 1540 Digital Reading 4 Credit Equivalent Credit Hours: MAT 1550 Prerequisites: MAT 1150 or university transfer course equivalent to 'C' or better within the last three years or appropriate math position on MAT 1540 within the last two years. Brief consideration of the fundamentals of ao number; second-tier equation in form; reasonable inequality; drawing polygraphs and reasonable functions; the number of functions; including ingredients; inverse functions; equation theory, reasonable original theolog and Descartes Rule; exponents and logs; matrix, decision factor and linear programming; partly, conical parts; sequences and sequences; permutation and combination; Binomial BILLABLE CONTACT HOURS: 4GE results: Critical thinking, MAT 1560 Trigonothm 3 Prerequisites: MAT 1150 or university transfer course equivalent to a 'C' or higher within the last three years or a proper math grade on MAT 1560 within the last two years. Defines the t triangle functions as round functions; graph of the t triangle; development and use of identity; solution of the equation; inverse functions; application; define functions in a right triangle; solution of the right triangle; the solution of the triangle is not using the Sines Law and the Cosines Law; vectors; extreme coordinates. BILLABLE CONTACT HOURS: 3GE Results: Critical Thinking, Dosing Reading MAT 1580 Statistics 4 Credit Hours Equivalent: MAT 1530, MAT 1310 Prerequisites: MAT 1125 or MAT 1150 with 'C' or better over the past three years; or appropriate mathematical position over the past two years. Organizing and presenting data; analyzing data, including average, average, mode, range and standard deviation; basic probability theory using combination and permutation; Binomial distribution; Normal distribution; Distribution of students; Genus-square distribution; Distribution F; hypothetical testing; estimation, recess and correlation, erroneous analysis (ANOVA), non-parameters statistics. About statistical analysis using current technology. BILLABLE CONTACT HOURS: 4GE Results: Critical Thinking, MAT 1600 4-Hour Application Application Calculation Prerequisites: MAT 1500 or MAT 1540 or university transfer course equivalent to a 'C' or higher within the last three years or the appropriate math position on MAT 1600 within the last two years. Designed primarily for business and social science students. Basic functions, limits of a function, extraction, differentiation techniques, exponentials and logs- primes with extracts and applications, analysis, integrated techniques, analytical applications and introduction of multi-variable computing. Note: There will be no replacement for MAT 1730. BILLABLE CONTACT HOURS: 4GE Results: Critical Thinking, Mat 1630 Precalculus 5 Credit Hours Equivalent: MAT 1610 Prerequisites: Classified as MAT 1630 within the last two years. This course is a hypothetical acceleration course before exposure to university analyses and the concept of triangle. The course covers equations and inequalities; absolute value, exponents and free radicals. It consists of functional works; components of the function; inverse functions; logical, polyneal, exponential, logarithm, inverse and inverse functions, including graphing and solving equations. In addition, the identity of the triangle, must be Sines Law and Cosines Law are covered. BILLABLE CONTACT HOURS: 5GE Results: Critical Thinking, Dosing Literacy MAT 1730 Calculus I 4 Credit Equivalent Hours: MAT 1710 Prerequisites: MAT 1630 or College Transfer Course Equivalent to 'Score' C' or higher over the past three years either MAT 1540 and MAT 1560 or equivalent university transfer courses each have a 'C' or better score over the past three years or grade appropriate maths into MAT 1730 within the last two years. Limits; continuity; derivative concepts; differences of ao daim number and transcendent functions; application of derivatives; anti-discrimination; indefinitely analyzing; defining analytical analysis; basic theerly justid of analysis; number integration; integration related to log-prime functions; some applications of analytics. Some course concepts will be explored and/or enhanced with current technology. BILLABLE CONTACT HOURS: 4GE Results: Critical Thinking, Mat 1740 Calculus II 4 Credit Hour Prerequisites: MAT 1730 or university transfer course equivalent to a 'C' or higher. Analysis involves inverse inverse inverse inverse quangon functions; hyperbolic function; introduction to differentibial equations; application of defining analytics; integration techniques; limits of indefinitely formed; improper analysis; two-dimensional analytical aothology using polar coordinates and parameters equations; Infinite series. Some course concepts will be explored and/or enhanced with current technology. CONTACT HOURS CAN BE BILLED. 4 Mat 2530 Maths for elementary school teachers I 4 Hours credit equivalent: MAT 2510 Prerequisites: MAT 1150 with 'C' or better within the last three years; or appropriate math classes over the past two years. This course is designed for students who intend to major in primary education, and will provide the mathematical understanding necessary to teach mathematics in primary schools. The National Council of Math Teachers (NCTM) standards will be followed. Topics covered include problem solving techniques, a set theory, logic, number systems, modeling and development of algorithms for atoms including set of atoms, in insologies and physical insologies, and number theory using virtual and physical operations. Students will observe an elementary math class (K-8). BILLABLE CONTACT HOURS: 4GE Results: Critical Thinking, Effective Communication, Mat 2540 Math 2540 Dosing reading for elementary school teachers II 4 Hours of Credit Prerequisites: MAT 2530 with a score of 'C' or higher over the past three years. This course is the second in a series of two courses designed for students intending to study primary education, and will provide the mathematical understanding needed to teach in elementary schools. NCTM and AMATYC standards will be complied with. Topics include solving equations and inequalities, graphs and function equations, introductory probabilities, aography graphs, measurement, and variables ofometers using virtual and physical manipulation. BILLABLE CONTACT HOURS: 4 MAT 2740 Calculus III 4 Credit hour prerequisites: MAT 1740 or university transfer course equivalent to a 'C' or higher. Three-dimensional analytical and vector analysis; multi-variable function; partly distinguished from applications; multiple analytics and applications; cylindrical coordinates; vector calculations. Some course concepts will be explored and/or enhanced with current technology. BILLABLE CONTACT HOURS: 4 DIFFERENTI Equation MAT 2810 4 Credit hour prerequisites: MAT 1740 or university transfer course equivalent to a 'C' or higher. This is a first course in the usual differentiology equation. It consists of solutions of the main types of first-order differentitary equations with applications, solutions of higher order linear equations by indefinitely calculated variations and by variations of parameters, solutions using infinite power chains, solutions of linear equations of Laplace Transforms, matrix solutions of linear differenti equation systems, and solutions and applications of higher order differenti equations. BILLABLE CONTACT HOURS: 4 MAT 2880 Linear Number 4 Credit Hours Prerequisites: MAT 1740 or university transfer course equivalent to 'C' or higher. The topics mentioned are linear equation systems, matrix activity and matrix properties, vector space (child space of Rn linear transformation, decision factors, Eigenvectors and Eigenvalues, diagonal and internal products. Although not required, MAT 2740 is recommended before registering for this course. BILLABLE CONTACT HOURS: 4 4

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