

Life after MATH 15

GRADE earned in Math 15	a "D" or better	a "D" or better	a "D" or better	a "C" or better	a "C" or better	a "B" or better
Course	MATH 1630 Finite Mathematics (3 credits)	MATH 1730 Math of Finance (3 credits)	MATH 1830 Elementary Statistics (3 credits)	MATH 1030 Math for Educators I (3 credits)	MATH 1530 College Algebra (3 credits)	MATH 2450 Precalculus (5 credits)
Course Description	Set theory, coordinate systems and graphs, matrices, linear systems, linear programming (geometric and simplex), probability, Markov Processes; with applications in the fields of business and economics.	Simple and compound interest, annuities, amortization, depreciation, valuation of securities, and bonds.	An introduction to statistical analytical methods including graphing distributions, numerical summaries, linear regression and correlation, the normal distribution, confidence intervals and hypothesis tests for means and proportions, analyzing two-way tables, and analysis of variance.	Math 1030 is the first semester in a three-semester sequence of integrated content and methods courses for pre-service teachers. Topics covered include problem solving, formal and informal argument, history and development of number systems, sets, fundamental operations with whole numbers and integers, foundational work with functions, and selected topics from statistics.	Equations and inequalities, functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, complex numbers, and systems of equations.	Solving equations and inequalities, functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric and inverse trigonometric functions, trigonometric identities and formulas, complex numbers, systems of equations, and conic sections.
Comments			Software package Minitab will be used throughout the course.	It is open only to students in elementary education pursuing certification levels B-11 or 10-14. (The course is <u>not</u> intended for students pursuing certification level 10-21)	MATH 1530 + MATH 2530 = MATH 2450 This course is equivalent to the first half of MATH 2450. Students will not receive credit for both MATH 1530 and MATH 2450. MATH 1530 and MATH 2530 may not be taken concurrently.)	This course is equivalent to taking both MATH 1530 and MATH 2530. Students who have credit for MATH 1530 or MATH 2530 should not take MATH 2450.
Satisfies the gen. ed. requirement	YES	YES	YES	NO	NO	YES

NOTE: A calculator is required for each of the courses above. Some may allow a graphing calculator but for others a simple scientific calculator will suffice. For a student enrolling in a 1000-level course who does not already own a graphing calculator, it is recommended that a purchase of a graphing calculator be delayed until after the first class meeting when an instructor will provide specific calculator requirements for that class.