Math 103S - STATISTICS WITH INTEGRATED SUPPORT

1. <u>Course Description</u>

This course introduces the use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square, and t-tests; and application of technology fy nDescripipp What to expect?

5. <u>What prior knowledge students need to know to be successful</u>?
- Operations on Numbers
    i. Perform signed number arithmetic
    ii. Calculate powers of a number (using technology)
    iii. Calculate the square root of a number (using technology)
    iv. Understand order of operations in expressions and formulas
        1. Parentheses/ Brackets, Exponents, Multiplication/Division, Addition/Subtraction
- Equations and Inequalties
    i. Evaluate algebraic expressions-0.9 (es)-4.9 (s)B9u.90 Td ( ) (r)3 (a)4 (c)4 (t)-2 .2 (