SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number:	074	Class/Lect. Hours:	6	Lab Hours:	 Credits:	4	_Dept.:	Mathematics		
Course Title:	Pre-Statistics				Sen	nester:	Spring	Year:	2019	

Course Description, Prerequisite, Corequisite: COURSE DESCRIPTION

Topics include place value system, order of operations, fractions, operations with these numbers. Additional topics include decimal notation, percent notation, and conversions between decimal, fractional, and percent notation, basic statistical measures. Also included is an introduction to Algebra, operations of integers, evaluate variable expressions, solving equations and formulas. Also collecting, displaying and interpretation of small data sets. Credit for this course will not be counted toward fulfilling graduations requirements at STCC. PREREQUISITE: None

OBJECTIVES/COMPETENCIES

Course Objectives	Competencies
Upon completion of this course, a student will be able to: 1. Round a number to a specified place value. 2. Simplify an expression applying the order of operations. 3. Solve simple equations.	Same topics from Pre-Algebra, and Algebra one that are applied to Statistics. Prepared to succeed in Statistics.

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Course Objectives	Competencies
4. Solve equations involving proportions.	
5. Simplify a fraction to lowest terms.	
6. Perform the operations of addition, subtraction, multiplication, and	
division with fractions.	
7. Determine which decimal number is larger.	
8. Solve applied problems requiring addition, subtraction, multiplication,	
or division of decimals.	
9. Round a decimal to as specified place value.	
10. Convert a decimal to a fraction.	"
11. Convert fraction into decimal.	
12. Convert from a percent to a decimal.	
13. Convert from a decimal to a percent.	
14. Convert from a fraction to a percent.	
15. Convert from a percent to a fraction.	
16. Solve applied problems, which involve percent's using equations.	
17. Compute average, median and mode for a data set.	
18. Find the square root of a number.	
19. Perform basic integer operations.	
20. Evaluate variable expressions.	
21. Translate phrases to algebraic expressions.	
22. Solve problems involving order.	
23. Evaluate expressions involving subtraction of signed numbers.24. Simplify numeric expressions.	
25. Evaluate expressions involving multiplication of signed numbers.	
26. Evaluate expressions involving multiplication or signed numbers.	
signed numbers.	
27. Evaluate expressions involving division of signed numbers	
28. Find the reciprocal of a number.	
29. Simplify expressions involving grouping symbols.	
30. Apply order of operations to evaluate an expression.	
31. Solve equations with parentheses.	
32 Solve applied problems	
33. Solve equations involving percent.	

Course Objectives	Competencies
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