WILMINGTON UNIVERSITY
COLLEGE OF ARTS AND SCIENCES
BASIC COURSE INFORMATION

COURSE NUMBER: MAT 102
COURSE TITLE: College Math II

I. COURSE OBJECTIVES:

Upon completion of this course the student will be able to

1. Learn fundamental principles, generalizations, or theories
2. Learn to apply course material (to improve thinking, problem solving, and decisions)
3. Gain factual knowledge (terminology, classifications, methods, trends)
4. Perform set operations and use Venn diagrams to organize data.
5. Solve probability applications using compound and conditional probability, permutations and combinations, and binomial trials.
6. Make a probability distribution and find expected value.
7. Find measures of central tendency: mean, median, and mode.
8. Find measures of variance: range, variance, and standard deviation.
9. Read a normal curve and find z scores.
10. Write the distribution for binomial experiments and find the mean and standard deviation.
11. Find limits of polynomial functions.
12. Find the derivative of a function and apply it to maxima and minima applications.