

Technical Mathematics Assessment Plan Rev. 4/3/2018

Technical Mathematics	14-15	15-16	16-17	17-18	18-19	19-20
TECMB52 - Industrial Math and Quality Control						
• Upon completion of the course, the student will be able to correctly use of the order of operations in mathematics (parentheses, exponents, multiplication, division, addition, subtraction) with integers and decimal fractions.				X		
• Upon completion the student will be able to: Demonstrate the calculation of percentages and simple interest.				X		
• Upon completion the student will be able to: Demonstrate the algebraic techniques of substitution to solve various types of practical problems.				X		
• Upon completion the student will be able to: Calculate for perimeters and areas of 2D shapes and volumes of 3D shapes.				X		
• Upon completion the student will be able to: Calculate the mean and standard deviation of a statistical sample.				X		
• Upon completion the student will be able to: Conduct process capability studies and apply control charts using spreadsheet software.				X		