

Stat 2052 – Probability and Statistics

Course Number: Stat 2052 Course Title: Probability and Statistics	Credit Hours: 2 Contact Hours: 1 Lecture hr and 3 Tutorial hrs
Course Objectives:	
Course Description: Basic concepts of probability, Mathematical rules of probability, Probability distributions: Binomial, Gaussian and Poisson distributions. Statistical data analysis and graphical representation: Mean median, variance and standard deviation. Sampling theory, Central limit theorem, Statistical estimation, Confidence interval estimation, Regression analysis,	

Practical applications on quality control, queue modeling and market forecasting.
Course Outline:
Pre-requisites:
Co-requisite:
Textbook:
References:
Teaching Methods: <ul style="list-style-type: none"> • Lectures supported by tutorials; • Assignments; and • Demonstration of machine elements.
Attendance Requirement: <ul style="list-style-type: none"> • Minimum of 75% attendance during lecture hours • 100% attendance during practical work sessions, except for some unprecedented mishaps
Evaluation: Continuous Evaluation systems 50% Final exam 50%
Hours per-semester: 80