EMT2201 Engineering Mathematics IV

Hours per Semester				Weighted Total Mark	Weighted Exam Mark	Weighted Continuous Assessment Mark	Credit Units
LH	PH	TH	CH	WTM	WEM	WCM	CU
60	0	0	60	100	60	40	4

Course Description

This course discusses basic theory of probability and statistics and its applications in engineering. Materials given include basic understanding of statistics, mathematics, population and sample, data presentation, methods of calculating mean, standard deviation, mean estimation, outliers tests, simulation and probability theory, models of distributions, statistical tests of distributions, mean and standard deviation, linear regression, coefficient of correlation, and computer application for statistical analysis. This course is intended to develop the ability in design research, in data analysis, and in decision analysis using valid statistical approach.

Course Objectives

- Develop in the engineering student the ability to plan, collect and analyze data leading to valid and reliable findings applicable to natural phenomena.