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| Module Title: | Introduction to Mathematics II – Semester 2 |
| Academic year: | 2008 – 2009 |
| Credit Value: | 5 – Mandatory |
| Pre- requisites: | None |
| Assessment: | 60% Final Exam, 40% Continuous Assessment (CA) |
| Module Content | <ul style="list-style-type: none">• Data Collection and Organisation• Summary Statistics• Probability• Sampling and Estimation• Hypothesis Testing• Regression and Correlation |
| Intended Learning Outcomes: (September 2007) | <p>On successful completion of this module the student will be expected to be able to:</p> <ol style="list-style-type: none">1. Collect, tabulate, graph, and summarise data2. Recognise simple probability distributions, in particular the binomial, Poisson and normal distributions, and calculate probabilities associated with them3. Draw samples, and construct point and interval estimates of population parameters4. Use data to test hypotheses5. Construct regression equations, and use the value of a predictor variable to estimate a response |