MATHS4STATS KZN LECTURE SERIES 2015
REGISTRATION FORM: UKZN Scottsville Campus in Pietermaritzburg

DELEGATE DETAILS		

Title, Name & Surname:	
Institution/School & Circuit:	
District:	
Cellphone Number:	

Telephone number:		Fax Number:	

Email Address:	

Choose one of the three classes you would like to attend and put an ✗ in the box next to the class.	GET ➔	FET ➔ Data Handling	FET ➔ Probability & Financial Maths

Dates	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
UKZN Scottsville	**31 Jan 2015**	**14 Feb 2015**	**28 Feb 2015**	**14 Mar 2015**	**28 Mar 2015**

GET BAND: Topics to be done (not in any particular order)

Collecting & sorting data: data types, surveys, questionnaires, population, samples, tally tables, frequency
**Displaying data*:* pictograms, bar graphs, compound bar, sectional bar graphs.

Representing and interpreting data: pie charts, line & broken line graphs, histograms, scatter-plots, grouped data, choosing the most appropriate graph.

Analysis of Discrete Data: Measures of location**:** mean, median, mode; Measure of spread: range and extreme values; Representing data: Using stem and leaf plot

Probability: random experiments, events (certain, uncertain, impossible), frequency, relative frequency, probability, tree diagrams.

FET DATA HANDLING: Topics to be done (not in any particular order)

Stem & leaf plots; Box-and-whisker plots; averages of ungrouped data and selecting the most appropriate under given conditions and measures of dispersion: range, quartiles, etc.

The interpretation of Medians, Quartiles and Percentiles in Maths and Maths Literacy. Interpretation of Box-and-whisker diagram.

Using a calculator for a mean; finding variance & standard deviation manually and with a calculator; the standard deviation and the mean.

Measures of central tendency of grouped data, frequency tables, discreet & continuous data; bar graphs; histograms, frequency polygons.

Cumulative frequency, Ogives and other related concepts

FET PROBABILITY AND FINANCIAL MATHEMATICS: Topics to be done`

Relative frequency versus theoretical probability; identity of any two events A and B; mutually exclusive and complementary events; dependant and independent events.

Venn diagrams, contingency tables and tree diagrams. Use of fundamental counting principle.

Use simple & compound formulae to solve finance & growth problems: interest, hire purchase, inflation, population growth

Use simple and compound decay formulae to solve depreciation problems; implications of fluctuating foreign exchange rates:

Effects of different periods of compounding growth and decay (effective & nominal rates); annuities & bond repayment problems

Completed registration form should be faxed or emailed to the following details: Seats are limited; the first come first serve principle shall apply.

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