STAT C1703: Statistics and Forecasting

Module Title:	Statistics and Forecasting
Language of Instruction:	English

Credits:	5

NFQ Level:	6

Module Delivered In	5 programme(s)

Teaching & Learning Strategies:	Classes with be practical in focus, using example questions to illustrate key points and theories. Students will be expected to complete work-sheets in their independent learning time to re-enforce understanding of key issues

Module Aim:	To give a thorough grounding in the mathematics required for the successful understanding and solution of business problems.

Learning Outcomes	
On successful completion of this module the learner should be able to:	
LO1	Apply mathematical skills to solve numerical problems in the area of business
LO2	Solve mathematical problems and manipulate formula, as appropriate
LO3	Apply statistical skills to solve business problems and model, analyse, interpret and present business data, using the principles of statistics.

Pre-requisite learning
Module Recommendations *This is prior learning (or a practical skill) that is recommended before enrolment in this module.*
No recommendations listed
Incompatible Modules *These are modules which have learning outcomes that are too similar to the learning outcomes of this module.*
No incompatible modules listed
Co-requisite Modules
No Co-requisite modules listed
Requirements *This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.*
No requirements listed

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Module Content & Assessment

Indicative Content
Probability • Introduction to probability • Normal Distribution
Statistics • Introduction • Purpose of Statistics
Measures of Central Tendency and Dispersion • Mean, Mode and Median • Standard Deviation, Range • Coefficient of Variation • Application and Interpretation in Quality Control
Correlation and Regression Correlation and Regression
Time Series and Forecasting Time Series and Forecasting
Index Numbers Index Numbers

Assessment Breakdown	%
Continuous Assessment	100.00%

Continuous Assessment

Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Examination	Class Test: in class assessment	1,2,3	50.00	Week 6
Examination	Class Test: in class assessment	1,2,3	50.00	Week 12

No Project

No Practical

No End of Module Formal Examination

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

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Module Workload

Workload: Full Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	12 Weeks per Stage	3.00
Independent Learning	15 Weeks per Stage	5.93
	Total Hours	125.00

Workload: Part Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	12 Weeks per Stage	1.50
Independent Learning Time	15 Weeks per Stage	2.97
	Total Hours	62.50

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_BWBUS_B	Bachelor of Business (Honours) Options: in Business or Digital Marketing	1	Mandatory
CW_BWBUS_D	Bachelor of Business Options: Business or Digital Marketing	1	Mandatory
CW_BWTEM_B	Bachelor of Science (Honours) in Tourism and Event Management	1	Mandatory
CW_BWTEM_D	Bachelor of Science in Tourism and Event Management	1	Mandatory
CW_BWBUS_C	Higher Certificate in Business	1	Mandatory