Computer and Numerate Skills

Module Information

2022.01, Approved

Summary Information

Module Code	4604TECYPC
Formal Module Title	Computer and Numerate Skills
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
YPC International College (Kolej Antarabangsa YPC)

Learning Methods

Learning Method Type	Hours
Lecture	24
Practical	48

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-PAR	PAR	January	12 Weeks

Aims and Outcomes

Aims	This module provides an introduction to key numerical techniques used in the business world to aid decision making. It aims to provide the statistical foundations that are necessary in any area of business. To introduce different data types and the approaches required for analysis. To familiarise students with modern business and technical computer applications.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Recognise the importance of using spreadsheets and other computer application software for the purposes of problem solving
MLO2	2	Identify different data types, manipulate data and carry out statistical analysis including presenting data using appropriate graphs
MLO3	3	Summarise quantitative data using packages such as Excel
MLO4	4	Describe a range of analytical and diagnostic quantitative methods and tools to aid decision making in business

Module Content

Outline Syllabus	Introduction to computer application software (Word, Excel and Access)Introduction to StatisticsData PresentationFrequency distribution of quantitative and qualitative variablesPivot table and pivot chartDescriptive statisticsMeasures of location, dispersion and skewnessCorrelation AnalysisSimple and multiple regression analysisContinuous Distribution (the Normal)Distribution of random variablesRandom number generation tool
Module Overview	
Additional Information	This module aims to provide students with the knowledge and skills to use computer applications and numerate concepts that can be used in other modules in this programme. The students will be able to familiarise with the statistical methods and selected application software through the practical sessions and assessments.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Statistical case study	50	0	MLO2, MLO3
Exam	Examination	50	2	MLO4, MLO1

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Karl Jones	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings