VOLCANICS
eLEARNING COMMUNITY

L3 Statistics | 2020

Programme description	This is a level 3 Statistics course. It is mostly to do with applied mathematics. This means that you will be learning some graphing and analysis techniques and then applying these to so data to answer a research question. For example, we might seek to determine whether or not there is statistical evidence that sea levels are rising in Auckland, or that temperatures are rising year on year in Paeroa.
Content	Students will have the opportunity to complete all the level 3 Statistics Internal standards as well as an (optional) external standard. The teaching of this course is aligned with the content sequencing in *Level 3 Statistics Learning Workbook (Frances Hinchliffe and Margaret Priest).*
Prerequisites	It is helpful (but not essential) if students are familiar with a spreadsheet and a word processor. Some prior work in statistics at some level is beneficial, but not essential.
Required	A calculator and access to a computer is required. It is recommended that students use a workbook such as Level 3 Statistics Learning Workbook (Frances Hinchliffe, Margaret Priest) as such books contain all the theory, examples and practice exercises to master the standards offered in this course.
(Assessment	Students complete an assessment for each internal achievement standard in the course. The external assessment is via written examination.
Contact	Michael Moroney, Paeroa College. michael@volcanics.school.nz Volcanics Cluster

Standards		**When assessed**	**Type**	**Credit value**
AS 91580 ver 2	Level 3: Investigate times series data	Week 8 of term 1	I	4
AS 91581 ver 2	Level 3: Investigate bivariate measurement data.	Week 5 of term 2	I	4
AS 91582 ver 2	Level 3: Use statistical methods to make a formal inference.	Week 2 of term 3	I	4
AS 91583 ver 2	Level 3: Conduct an experiment to investigate a situation using experimental design principles.	Week 8 of term 3	I	4
AS 91586 ver 2	Level 3: Apply probability distributions in solving problems	Week 2 of term 4	E	4

I = Internally Assessed | E = Externally Assessed