UWA Plus Micro-credentials
Critical Information Summary

Title and brief description	SCIEN505 Using R: Environmental and Agriculture Applications. The unit introduces students to data analysis and report preparation using R and R studio at a workplace standard. Examples are used from environmental and agricultural science and economics. Students learn appropriate analyses and statistical techniques for different data, and basic programming in R. Studnets will also experience the advanced analytical and graphical capabilities of R.
Certified learning	(1) to collect, manage, and interpret observational and experimental data relevant to agricultural and environmental applications; (2) formulate testable hypotheses and use appropriate statistics to test them; (3) use R/Rstudio to prepare professional high quality reports that integrate data analysis, graphics, and general reporting; (4) analyse survey data to obtain willingness-to-pay estimates for environmental assets, and evaluate the quality of estimates; and (5) design survey instruments that can be used to obtain non-market values.
How learner participated	
Effort required (indicative)	300
Main assessment task	Application of multiple skills to routine problems,Application of multiple skills to complex problems
Indicative equivalent level	Postgraduate
Industry recognition	No industry has indicated has agreed to displaying their logo on the webpage, numerous government agencies have indicted support
Quality assurance	The quality of UWA Plus micro-credentials is assured through The University of Western Australia's standards and academic integrity processes.
Successful learner earns PD Points for conversion to:	12
. Admission to an award course	No
. Credit towards an award course	Yes
. If yes, how much credit?	Credit is two unit