UWA Plus Micro-credentials

Critical Information Summary

Title and brief description	FINAM501 Data Analytics in Portfolio Investments. In the current globalized market, the ability to extract important information from large financial datasets is the key for a fund manager to make decisive investment decisions. This micro-credential unit is designed specifically to equip participants with the specialised skill set required in financial data analytics to help make informed investment decisions. Working under the close supervision of a world-class scholar from the UWA Business School, participants will gain hands-on coding experience using the Python programming language, and extract important information from large financial datasets commonly used by fund managers in the real-world. Recently voted as the most sought-after programming language in the world (www.codingdojo.com), Python is perfectly placed to provide participants with the cutting edge and know-how in financial data analytics and handling big data.
Certified learning	(1) understand and apply the core analytic concepts in the Python programming environment; (2) efficiently use the full breadth of libraries (including Pandas and Numpy) in Python; (3) create, manipulate and extract important information from large financial datasets; (4) solve real-world problems in finance and investment using Python; and (5) construct characteristic-based portfolio and investment strategies.
How learner participated	Online only
Effort required (indicative)	75 hours (including 18 contact hours)
Main assessment task	Application of multiple skills to complex problems
Indicative equivalent level	Postgraduate
Industry recognition	UWA
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:	3
. Admission to an award course	No
. Credit towards an award course	Yes
. If yes, how much credit?	Credit is less than one unit