UWA Plus Micro-credentials

Critical Information Summary

Title and brief description	GEOSM504 Geophysical Exploration: Gravity, Radiometric, Electrical and Electromagnetic Methods. This micro-credential focuses on key concepts of a diverse set of geophysical methods as applied to mineral system-based exploration. Students are introduced to principles and applications of these methods and gain practical skills in the integrated analysis of geophysical datasets using state-of-the art strategies, as well as learning how to extra maximum industry-relevant information from these datasets.
Certified learning	(1) demonstrate knowledge of the principles underpinning gravity, radiometric, electrical and electromagnetic geophysical methods commonly used in mineral exploration, and the strengths and limitations of these methods; (2) demonstrate practical skills in geophysical data acquisition design, processing and interpretation, and proficiency in geophysical interpretation and data integration; and (3) communicate scientific results effectively.
How learner participated	Onsite only
Effort required (indicative)	75 hours composed of 40 hours practical workshops (1 week intensive) and 35 hours of practical exercises/assessment.
Main assessment task	Testing recall of facts,Application of multiple skills to complex problems,Portfolio and reflective evidence for validation of proficiency
Indicative equivalent level	Postgraduate
Industry recognition	The Unit Coordinator is well known for his expertise in geophysical exploration applied to mineral deposits. He has taught short courses nationally and internationally and authored a textbook that is widely used. The application of geophysical methods to detect mineral deposits buried beneath the surface cover of vegetation, soil and weathered rocks is at the forefront of modern mineral exploration in Western Australia.
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