UWA Plus Micro-credentials

Critical Information Summary

Title and brief description	PHYSM412 Einsteinian Science for SecondaryTeachers I: Matter, Light, Spacetime, and Energy. This unit is designed for school science teachers and other educators to enable them to grasp Einsteinian science concepts and implement lesson plans suitable for early secondary school classrooms.
Certified learning	(1) explain the concepts of energy, binding energy, and power generation; (2) explain the key concepts which underpin quantum mechanics; (3) explain the modern concepts of space, time, gravity and radiation at the appropriate level; and (4) teach key topics in modern physics at the appropriate school level using simple models and analogies.
How learner participated	Both onsite and online
Effort required (indicative)	75hrs with online lectures, self study, assessment preparations
Main assessment task	Portfolio and reflective evidence for validation of proficiency,Testing recall of facts
Indicative equivalent level	Undergraduate
Industry recognition	This micro-credential has been developed following discussions and collaborations through the Einstein-First Project, key stakeholders include: Curtin University; the Australian National University (ANU); the WA Department of Education; the Science Teachers' Association of WA (STAWA); the Association of Independent Schools of WA (AISWA); the Australian Research Council; and the Gravity Discovery Centre.
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