

UWA Plus Micro-credentials

Critical Information Summary

Title and brief description	<p>ECONM500 Performance Measurement with Data Envelopment Analysis</p> <p>Performance measurement is important for evaluating how well firms are using available resources given the available production technology. This micro-credential introduces the fundamental concepts of performance measurement from an economic perspective, which is the basis for efficiency and productivity analysis. Students learn how to program and compute different measures of efficiency using data envelopment analysis that are relevant for making managerial decisions and public policy. Students will gain the knowledge and skills needed to conduct efficiency analysis.</p>
Certified learning	<ol style="list-style-type: none"> 1. Understand the basic concepts and different measures of firm efficiency. 2. Understand the implications of key assumptions of production technologies when modelling firm efficiency. 3. Appreciate the importance of efficiency analysis for management practice and public policy making. 4. Program and compute different measures of firm efficiency using data envelopment analysis in Microsoft Excel.
How learner participated	Online only
Effort required (indicative)	150 hours
Main assessment task	Application of a skill to a complex problem
Supervision and identity verification	Unsupervised, no identity verification
Indicative equivalent level	Masters
Quality assurance	The University of Western Australia
Successful learner earns PD Points for conversion to:	6
<ul style="list-style-type: none"> • Admission to an award course 	No
<ul style="list-style-type: none"> • Credit towards an award course 	<p>Yes</p> <p>Unspecified credit towards a Master of Agricultural Economics, Master of Agricultural Science, Master of Biotechnology or Master of Environmental Science (6 PD points required).</p>
<ul style="list-style-type: none"> • If yes, how much credit? 	Credit is one unit