## Critical Information Summary

### Title and brief description
ECONM500 Performance Measurement with Data Envelopment Analysis

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.

### Certified learning
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:

- Admission to an award course: No
- Credit towards an award course: Yes
  - Unspecified credit towards a Master of Agricultural Economics, Master of Agricultural Science, Master of Biotechnology or Master of Environmental Science (6 PD points required).
- If yes, how much credit?: Credit is one unit

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**UWA Plus Micro-credentials**

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