PROCESS MINERALOGY

PROGRAM OUTLINE

Introduction module	
Welcome to the course	
Navigation	
Pre-course survey	

Module 1: What metallurgists need to know about minerals	
1.1: Minerals	1.1.1: Crystal structure and chemistry
	1.1.2: Classification
	1.1.3: Element to mineral conversion
1.2: Ore deposits	1.2.1: Types and processing implications
	1.2.2: Texture and liberation

Module 2: Tools for characterisation	
2.1: Tools for characterisation	2.1.1: Current tools for characterisation
	2.1.2: Strategies for tool selection
	2.1.3: The new tools

Module 3: Managing and using the data	
3.1: Managing and using the data	3.1.1: How to navigate the software
	3.1.2: Reviewing the data
	3.1.3: Basic data checks

Module 4: Identifying opportunities and troubleshooting	
4.1: Identifying opportunities and troubleshooting	4.1.1: Strategies for assessing data
	4.1.2: Analysis on data set
4.2: Course evaluation	

Enquiries:
Sustainable Minerals Institute
Tel +61 7 3346 3015
education@smi.uq.edu.au

NOTE: Online course delivered over 8 weeks. Each module uses a range of the latest online learning techniques to deliver knowledge in an interesting and informative way. As a professional development activity, the course contact hours are equivalent to a three day intensive, face-to-face course.