

# GENERAL COAL PREPARATION COURSE PROGRAM

## MT OMANNEY, BRISBANE

<b>DAY 1</b>	0800-0830	Registration Setting the scene
	<b>Session 1</b>	
	0830-0900	Geology, Mining & Coal Quality
	0900-1030	Sampling, Sample Preparation & Analysis Methods
	1030-1045	Morning Tea
	1045-1230	Analysis Methods (cont)
	1230-1330	Lunch
	<b>Session 2</b>	
	1330-1500	Physical Properties of Coal
	1500-1515	Afternoon Tea
	1515-1800	Washability Data & Principals of Separation
	1800-1930	Dinner
<b>DAY 2</b>	<b>Session 3</b>	
	0700-0715	Video Presentation Blast Furnace Operations
	0715-1000	Classification – Principles of screening, screen types – Principles & application of cyclones
	1000-1015	Morning Tea
	1015-1230	Gravity Separation – Principles of dense medium separators Types of Separators – baths, drums, cyclones, spirals, jigs & tables
	1230-1330	Lunch
	<b>Session 4</b>	
	1330-1500	Fine Coal Beneficiation – principles of flotation, cells & circuits. Reagents
	1500-1515	Afternoon Tea
	1515-1800	Dewatering – the need for dewatering, flocculation filters, centrifuges & thickeners
	1830	Course Dinner with guest speaker
<b>DAY 3</b>	<b>Session 5</b>	
	0700-0900	Plant Practice – Flow sheet selection, plant layout, simulations, auto control, quality control
	0900-0915	Morning Tea
	0915-1130	Plant practice (cont) coal handling issues
	1130-1200	Lunch
	1200-1600	Site Visit (Jeebropilly). Bus departs 1200 and returns 1600 (approx).

NOTE: Time for assessments is allowed at the end of each session