

Course Outcome Guide (COG)

Approved 01 MAY 2012

Course: PTLO 203	Preventative Maintenance and Troubleshooting	Credits:	3	Instructor:	
Course Description:	Students will learn skills, techniques and procedures to properly perform routine maintenance and troubleshooting on surface production equipment.				
Concepts and Issues	Process Skills	Assessment Tasks	Intended Outcomes		
			Course	General Education or Program	Institutional
<ul style="list-style-type: none"> • Scheduling • Flow Charts • Assessment • Mechanical aptitude • Interpreting data • Safety • Communication 	<ul style="list-style-type: none"> • Following manufacturers recommended guidelines for servicing equipment • Steps in problem solving • Communicating with service workers • Identifying equipment malfunctions • Communicate with team what steps are needed to complete job 	<ol style="list-style-type: none"> 1. Practical exams requiring the student to service different equipment 2. Written paper explaining the troubleshooting process 3. Multiple choice exams 4. Group participation operating various equipment 	<ol style="list-style-type: none"> 1. Repair surface equipment. 2. Order parts based on manufacturers specifications 3. Perform preventative maintenance on surface equipment 4. Troubleshoot failed equipment 5. Prepare report for repairs conducted 	Basic knowledge and skills required as a production technician in the petroleum industry	