

WELDING TECHNOLOGY

Laney College

Outcome	Institutional Outcomes	Assessment Method
Students will recognize the value of wearing safety glasses in the lab by: 1) describing the dangers to the eyes in the welding lab, (such as UV rays, projectiles, chemicals and sparks/molten material); 2) complying consistently with the Department policy of always wearing safety glasses in the lab.		Written safety exam Observation in lab
Students will determine several advantages and disadvantages of a given welding process, and differentiate between different welding processes.		Written exam Comparison exercises in lab
Students will correctly list steps for setup and shut down of regulator and torch set for Oxy Acetylene welding. In the lab, they will perform these steps and correctly adjust for a neutral flame.		Written exam Observation and practical exams in lab
Students will set up an arc welding power supply and its related components for SMAW, GMAW and GTAW processes, strike an arc, and complete a weld in the flat position compliant with AWS D1.1 code standards.		Written exam Observation and practical exams in lab.