



Basic Thermodynamics Lab

Mechanical and Production Engineering Department

Ahsanullah University of Science & Technology (AUST)

General Lab Safety Rules

Wear PPE: Lab coat, safety goggles, gloves, and closed-toe shoes are mandatory.

No Unauthorized Entry: Only authorized students and staff are allowed in the lab.

Keep Workspace Clean: Ensure all equipment is stored properly and workspaces are clean after experiments.

No Eating or Drinking: Food and drinks are strictly prohibited to avoid contamination.

Accident and Health Hazard Provisions

First Aid Kit: Familiarize yourself with its location and basic first aid procedures.

Fire Safety: Know the emergency exits and fire alarm locations. Evacuate immediately if a fire cannot be controlled.

Incident Reporting: Report accidents immediately to the lab in-charge. Investigations will be conducted to prevent future incidents

Lab Contact Information

Lab In-Charge: Dr. Abu Hamja

Emergency Contact: [LA: 01752010637, AAO: 01534100141]

Safety Procedures for Specific Equipment

Bomb Calorimeter: Handle with care; use safety shields during high-pressure operations.

Orsat Gas Analyzer: Ensure adequate ventilation while using the analyzer to avoid gas exposure.

Saybolt Viscometer: Use heat-resistant gloves while working with heated samples.

Pressure Gauge & Flash/Fire Point Apparatus: Follow manufacturer instructions for safe handling. Always have fire extinguishers nearby.

REMEMBER: Safety First! Always adhere to lab safety protocols.