COMMON COURSE OUTLINE: Course discipline/number/title: BU 1550: Plumber Lab

A. CATALOG DESCRIPTION
   1. Credits: 2
   2. Hours/Week: 4
   3. Prerequisites (if any): Concurrent with Plumber Theory.
   4. Co-requisites (if any): None
   5. MnTC Goals (if any): NA

This course provides actual plumbing situations that will be encountered and students will solve plumbing installation problems. Other activities include using pipe, wrenches, identifying different types of pipe and fittings, and establishing proper draining. Recommended Entry Skills/Knowledge: High School Diploma or GED.

B. DATE LAST REVISED (use current date): April, 1997

C. OUTLINE OF MAJOR CONTENT AREAS:
   1. Plumbing Shop Safety
   2. Use of Tools
   3. Soldering
   4. Joining Pipe
   5. Portable Water
   6. Drainage Waste and Vent
   7. Pipe Hanging

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
   1. Use power-threading tool.
   2. Make various pipe nipples.
   3. Operate hand threader (Drop Head Die).
   4. Use various aid wrenches.
   5. Fabricate pipe joints.
   6. Identify various pipe and fittings.
   7. Install portable water system.
   8. Install water closet.
   9. Install vent systems.
   10. Demonstrate shop safety rules.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
   Project Final

G. SPECIAL INFORMATION (if any):
   Hazardous Material