

**College of Micronesia-FSM
P. O. Box 159
Kolonia, Pohnpei FM 96941**

Course Outline Cover Page

Plumbing Installation and Design
Course Title

Plum 100
Department and Number

Course Description:

The course provides the student with the application of methods and theory in the installation and design of cold water supply, hot water supply, and drainage/vent systems.

Course Prepared by: Randall Nelson

State COM-FSM main campus

	Hours per Week	x	No. of Week	x	Total Hours	=	Semester Credits	
Lecture	<u>3</u>	x	<u>16</u>	x	<u>48/16</u>	=	<u>3</u>	
Laboratory	_____	x	_____	x	_____	=	_____	
Workshop	_____	x	_____	x	_____	=	_____	
Total Semester Credits							=	<u>3</u>

Purpose of Course: Degree Requirement _____
 Degree Elective _____
 Certificate _____
 Remedial Other _____

Prerequisite Course(s): Admission to the Pohnpei State Apprenticeship Program

March 26, 1996

Date Approved by Committee

SUSAN MOSES
Signature, President, COM –FSM

4/8/96
Date Approved by President

COURSE OBJECTIVES

General/ objectives:

1. The student will be introduced to plumbing trade.
2. The student will be introduced to the various types of material used in the plumbing trade.
3. The student will be introduced to different installation and design methods for various water supply and drainage/vent system.

Specific Objectives:

1. The student will demonstrate the procedure for installation and design of potable water supply and drainage/vent system.
2. The student will demonstrate how to install various plumbing fixtures.
3. The student will demonstrate how to inspect and test plumbing systems.

Textbooks and Materials:

Ripka, L.V. Plumbing Installation and Design, Homewood: Technical Publishers, Inc., 1987.

Hollar, Charles Plumbing Installation and Design Workbook, Homewood: American Technical Publishers Inc., 1987.

Reference Material:

None

Methods of Instruction:

Lecture, Group Discussion and Instructor Demonstration

Course Content:

Procedure for installation and designing of portable water supply and drain/vent systems.

Methods of sizing pipe.

Theoretical fixture installation.

Methods of inspection and testing of plumbing systems.

Instructional Cost:

None

Evaluation:

Students will be evaluated on the achievement of each objective by written test.

Attendance:

- Established COM-FSM attendance policy applies.

Credit by Examination

None