

College of Micronesia – FSM
P.O. Box 159
Kolonia, Pohnpei

Course Outline Cover Page

Industrial Safety

Course Title

VSP 121

Department and Number

***Course Description:** This course is designed to introduce the students to safe working practices in the Electrical and Electronic Industries. The emphasis is on the safety measures that must be taken in the Industry, particularly when working with activated equipment. The course will make the students aware of the dangers and increase their awareness on the prevention of industrial accidents.*

Prepared by: Grilly Jack**State:** Pohnpei Campus

	Hours per Week	No Of Weeks	Total Hours	Semester Credits
Lecture	1.5/3	16/8	24	1.5
Laboratory				

Total Semester Credits: 1.5

Purpose of Course

Degree Requirement	_____
Degree Elective	_____
Advanced Certificate	_____
Certificate	_____XX_____
Remedial	_____
Other (Workshop)	_____

Prerequisite Course(s): Nil

Signature, Chairman, Curriculum Committee

Date Approved by Committee

Signature, President, COM-FSM

Date Approved by the President

General Objective: The students will develop safe workplace habits to prevent injury to themselves and others. The students will understand the minimum requirements to work safely in the Electrical / Electronic Industry. The Electrical / Electronic Industry is a potentially a dangerous industry, students require instruction in accident prevention, the identification of possible hazards and basic precautions to assist in the promotion of a safe working environment.

Learning Outcomes: Upon successful completion of this course the student will be able to:

1. Understand how a person can receive an electrical shock and the effects of electrical shocks.
2. Know how to prevent electrical shocks and how to provide treatment for electrical shocks.
3. Know how to suppress electrical fires.
4. Recognize and identify safety colors.
5. Understand and follow hand and electrical tool precautions

STUDENTS SHOULD BE MADE AWARE OF OCCUPATIONAL HEALTH AND SAFETY ISSUES IN ALL SITUATIONS AND BE EXPECTED TO DEMONSTRATE SAFE WORKING PRACTICES AT ALL TIMES.

Outline of Content:

This course contains:

1. Safety.
 - Recognize potential danger.
 - Pay attention to warnings and cautions.
 - Develop safety habits.
2. Accidents.
 - Electrical shock
 - Electrical burn.
 - Electrical fire.
 - Misuse of tools and equipment.
3. Electrical fire.
 - Identify fire hazards
 - Prevention.
4. Safety colors.
 - Use
 - Recognize.
 - Identify
5. Tool precautions.
 - Use
 - Maintenance.

Learning Outcomes:	On completion of this course the learner will be able to:
6. Learning Outcome 1	Understand how a person can receive an electrical shock and the effects of electrical shocks.
Assessment Criteria	a. Recognize potential danger. b. Recognize electrical warnings and cautions. c. Develop good safe working habits.
Assessment Method	Multiple choice questions Short answer questions
Learning Outcome 2	Know how to prevent electrical shocks and how to provide treatment for electrical shocks.
Assessment Criteria	a. Describe how to prevent electrical shock. b. Describe how to prevent electrical burns. c. Describe how to prevent electrical fires. d. Understand how to care for electrical and hand tools.
Assessment Method	Multiple choice questions Short answer questions
Learning Outcome 3	Know how to suppress electrical fires.
Assessment Criteria	a. Identify fire hazards in the working area. b. Describe how to put out electrical fire.
Assessment Method	Multiple choice questions Short answer questions
Learning Outcome 4	Recognize and identify safety colors.
Assessment Criteria	a. Describe the purpose of hazardous signs. b. Recognize various types of electrical warning signs. c. Identify various electrical warning signs.
Assessment Method	Multiple choice questions Short answer questions
Learning Outcome 5	Understand and follow hand and electrical tool precautions
Assessment Criteria	a. Describe the proper uses of electrical various electrical tools. b. Describe the proper use of hand tools.

- c. Demonstrate the proper care for electrical and hand tools.

Assessment Method

Multiple choice questions
Short answer questions

Required Course Materials:

1. Instructor:

- a. CAI Classroom with whiteboard or chalkboard
- b. Laboratory equipment with tools of the trade
- c. Text, Teacher's Resource Guide, workbook
- d. Overhead projector, transparencies

2. Student:

- a. Text(s), handouts provided by instructor
- b. Ring binder
- c. College ruled note sheet, pencil or pen

Reference Materials:

1. Core Curriculum, NCCR, 2000 Revision
Prentice Hall, Inc Upper Saddle River, New Jersey.
2. NIDA Manuel

Method of Instruction:

1. Computer Aided Instruction
2. Lecture.
3. Discussion.

Evaluation:

Final Grade for this course will be based on meeting the course requirements at the following percentage rates:

96% - 100%	A – Superior
90% - 95%	B – Above Average
80% - 89%	C – Average
69% - 79%	D – Below Average
0 % - 69%	F – Failure

Attendance:

The COM-FSM vocational educational attendance policy will apply.

