

College of Micronesia - FSM  
P.O. Box 159  
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**Course Outline Cover Page**

**Industrial Safety**

**Course Code: VSP 153a**

**Course Description:** This course is designed to make the trainees aware of basic safety practices and to encourage them to develop safe working habits. The aim is the prevention of accidents that result in personal injuries, damage to facilities and/or equipment. Reference is made to various legislation relevant to safety practices.

**Course Prepared by:** Jeff Steel

**State:** Pohnpei

	Hours per Week	No. Of Weeks	Total Hours	Semester Credits
<b>Lecture/Workshop</b>	<u>1.5</u>	x <u>16</u>	= <u>24</u>	= <u>1.5</u>

<b>Purpose of Course:</b>	Degree Requirement....	<u>XX</u>
	Degree Elective	
	Certificate .....	<u>XX</u>
	Apprenticeship .....	<u>XX</u>
	Remedial Other (workshop)	

**Prerequisite Course(s):** Nil

\_\_\_\_\_  
**Signature, Chairperson, Curriculum Committee**

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**Date Approved by Committee**

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**Signature, President, COM-FSM**

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**Date Approved by President**

<b>COURSE TITLE</b>	<b>INDUSTRIAL SAFETY VSP 153a</b>
<b>Nominal Duration</b>	<b>24 Hours/1.5 Credits</b>
<b>General Objectives:</b>	<b>This course is designed to make the trainees aware of basic safety practices and encourage them to develop safe personal working habits. The aim is the prevention of accidents that result in personal injury, damage to facilities and/or equipment. Reference is made to various legislation relevant to safety practices.</b>
<b>Prerequisites</b>	<b>Nil</b>
<b>Specific Objectives:</b>	<p><b>By the completion of this course the student will be able to:</b></p> <ol style="list-style-type: none"> <li><b>1. Identify the responsibilities and personal characteristics of a professional craftsman.</b></li> <li><b>2. Explain the role that safety plays in the construction crafts.</b></li> <li><b>3. Describe what job-site safety means.</b></li> <li><b>4. Explain the appropriate safety precautions around common job-site hazards.</b></li> <li><b>5. Demonstrate the use and care of appropriate personal protective equipment.</b></li> </ol>
<b>Delivery</b>	<b>Delivery methods must provide for the demonstration of competence in skills specified in all learning outcomes.</b>
<b>Assessment</b>	<b>More than one learning outcome may be assessed at once, by observing the learners ability to apply both specified skills and knowledge.</b>

## Learning Outcome 1

Responsibilities and characteristics of a professional craftsperson.

### VSP 153a.1

Identify the responsibilities and personal characteristics of a professional craftsperson.

## Assessment Criteria

153a.1.1 Identify the responsibilities of a professional craftsperson.

- Successful use of appropriate equipment
- Adjust to new situations
- Continuously self-develop
- Applies safety regulations

153a.1.2 Explain the characteristics of a professional craftsperson.

Include the following;

- Honesty
- Integrity
- Loyalty
- Fairness
- Respect for others

All work practices must ensure that safe practices are adopted.

## Conditions

Working in groups given:

- Resources
- Verbal presentation to the group of learners
- Workplace visits to study recent and emerging trends that are current to the industry.

## Assessment Method

Assessment may involve any of the following methods

- Oral questioning
- Written tests
- Computer managed testing
- Individual written assignments
- Active participation in group activity

## Learning Outcome 2

Accidents: Causes and results.

### VSP-153a.2

Explain the role that safety plays in the construction crafts.

## Assessment Criteria

153a.2.1 Explain the following causes:

- Failure to communicate
- Poor work habits
- Alcohol or drug abuse
- Lack of skill
- Intentional acts
- Unsafe acts

- ❑ Unsafe conditions
- ❑ Management system failure

153a.2.2 Explain the results of the above Causes.

All work practices must ensure that safe practices are adopted.

**Conditions**

Working in groups given:

- Resources
- Verbal presentation to the group of learners
- Workplace visits to study recent and emerging trends that are current to the industry.

**Assessment Methods**

Assessment may involve any of the following methods

- Oral questioning
- Written tests
- Computer managed testing
- Individual written assignments
- Active participation in group activity

**Learning Outcome 3**

Company Safety Policies & OSHA Regulations

VSP-153a.3

Describe what job-site safety means.

**Assessment Criteria**

153a.3.1 Explain the employers OSHA obligations.

153a.3.2 Explain the employee's OSHA obligations.

All work practices must ensure that safe practices are adopted.

**Conditions**

Working in groups given:

- Resources
- Verbal presentation to the group of learners
- Workplace visits to study recent and emerging trends that are current to the industry.

**Assessment Methods**

Assessment may involve any of the following methods

- Oral questioning
- Written tests
- Computer managed testing
- Individual written assignments
- Active participation in group activity

## Learning Outcome 4

### Construction Site Job Hazards

#### VSP-153a.4

Explain the appropriate safety precautions around common job-site hazards.

#### Assessment Criteria

##### 153a.4.1

List five (5) housekeeping rules:

- Remove scrap from work areas.
- Clean up spills.
- Remove all combustible materials regularly.
- Dispose of wastes often.
- Store all tools and equipment safely.

##### 153a.4.2

Demonstrate five (5) housekeeping rules:

- Safely Remove scrap from work areas.
- Clean up spills safely.
- Remove all combustible materials regularly in a safe manner.
- Safely Dispose of wastes often.
- Store all tools and equipment safely.

##### 153a.4.3

Explain appropriate safety precautions around the following:

- Welding
- Hoses
- Regulators
- Work Area
- Trenches and Excavations

##### 153a.4.4

Explain the use of Lockout Tags and barricades.

All work practices must ensure that safe practices are adopted.

#### Conditions

Working in groups given:

- Resources
- Verbal presentation to the group of learners
- Workplace visits to study recent and emerging trends that are current to the industry.

#### Assessment Methods

Assessment may involve any of the following methods

- Oral questioning
- Written tests
- Computer managed testing
- Individual written assignments
- Active participation in group activity

## **Learning Outcome 5**

## **Personal Protective Equipment**

### **VSP-153a.5**

**Demonstrate the use and care of appropriate personal protective equipment.**

#### **Assessment Criteria**

**153a.5.1 List four things that must be done with Protective Equipment:**

- Regularly inspect it.
- Properly care for it.
- Use it properly when needed.
- Never alter or modify it in any way.

**153a.5.2 Demonstrate the Safe use of the following:**

- Hard hat
- Safety glasses
- Safety shield
- Gloves
- Safety Shoes
- Hearing protection
- Respiratory Protection

**All work practices must ensure that safe practices are adopted.**

#### **Conditions**

**Working in groups given:**

- Resources
- Verbal presentation to the group of learners
- Workplace visits to study recent and emerging trends that are current to the industry.

#### **Assessment Methods**

**Assessment may involve any of the following methods**

- Oral questioning
- Written tests
- Computer managed testing
- Individual written assignments
- Active participation in group activity

**SUGGESTED REFERENCE MATERIALS**

- **Text: Accident Prevention Manual**  
National Association of Industrial and Technical Teacher Educators, American Technical Society 1975.
  
- **NCCER Core Curriculum Trainee Guide. 2000**  
Prentice-Hall, Inc Upper Saddle River, New Jersey.
  
- **Audio-Visual:**  
**Films:**
  - Emergency, No. 3533, 14 min., color-sound
  - Electric Safety from A to Zap, No. 1771, 11 min., color-sound
  - Don't Push Your Luck, No. 493, 12 min., color-sound
  - New Approach to Saw Guiding Safety with Visibility, No. 91, 15 min., color-sound

**RESOURCES**

- Workshop Facilities
- Tools of Trade
- Demonstration Units
- Video/TV Set
- Overhead Projector

**GRADES**

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

- |              |                   |
|--------------|-------------------|
| • 90% - 100% | A – Superior      |
| • 80% - 89%  | B – Above Average |
| • 70% -79%   | C – Average       |
| • 60% -69%   | D – Below Average |
| • 0 – 59%    | F – Failure       |

**ATTENDANCE**

The COM-FSM attendance policy will apply