

College of Micronesia - FSM
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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
Lecture/Workshop	<u>1.5</u>	x <u>16</u>	= <u>24</u>	= <u>1.5</u>

Purpose of Course:	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

Date Approved by Committee

Signature, President, COM-FSM

Date Approved by President

COURSE TITLE	INDUSTRIAL SAFETY VSP 153a
Nominal Duration	24 Hours/1.5 Credits
General Objectives:	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.
Prerequisites	Nil
Specific Objectives:	<p>By the completion of this course the student will be able to:</p> <ol style="list-style-type: none"> 1. Identify the responsibilities and personal characteristics of a professional craftsman. 2. Explain the role that safety plays in the construction crafts. 3. Describe what job-site safety means. 4. Explain the appropriate safety precautions around common job-site hazards. 5. Demonstrate the use and care of appropriate personal protective equipment.
Delivery	Delivery methods must provide for the demonstration of competence in skills specified in all learning outcomes.
Assessment	More than one learning outcome may be assessed at once, by observing the learners ability to apply both specified skills and knowledge.

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