

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

Course Outline Cover Page

Occupational Health and Safety

Course Title

MSG 092

Department and Number

Course Description: To develop the knowledge and skills necessary to enable the student to be able work safely and interact positively with others on board merchant and small commercial vessels.

Prepared by: Brent Villiers

State: FSM-FMI

	Hours per Week	No. Of Weeks	Total Hours	Semester Credits
Lecture	1/2	2/1	8	0.5
Laboratory	3/6/12/24	16/8/4/2	48	1
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: To equip the seafarers in the maritime industry with practical skills and competence in shipboard operations consistent with their duties on merchant vessels and fishing vessels. To enable mariners to adapt with confidence to the demands and opportunities of a team approach to shipboard operations. To provide the learner with the knowledge and skills required to:

- work safely
- interact positively with others on board merchant and small commercial vessels.

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

1. Outline emergency response organization, emergency procedures, escape routes, and requirements for on board training on ships.
2. Take precautions to prevent pollution of the marine environment.
3. Observe safe shipboard working practices.
4. Effectively communicate with shipboard personnel regarding shipboard duties.
5. Contribute effectively to human relationships in the shipboard environment.
6. Describe the signs, symptoms and modes of transmission of sexually transmitted diseases (STDs) including causes, symptoms and treatments.
7. Describe the major features of the human immunodeficiency virus (HIV) and the acquired immune deficiency syndrome (AIDS).
8. Describe behaviors that put people at risk for HIV and STD infection, and discuss safe sex practices.

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. Emergencies at sea

- Types of emergencies
- Shipboard contingency plans

- Emergency signals
- Emergency duties
- Action to be taken in an emergency
- Value of training and drills
- Escape routes
- Shipboard communication methods

2. Pollution prevention

- Effects of pollution on the marine environment.
- Basic environmental protection procedures

3. Safe working practices

- Necessity to adhere to safe working practices
- Potential shipboard hazards.
- Safety and protective devices
- Enclosed space entry
- International measure relating to accident prevention on ships

4. Understanding of shipboard roles and orders

- Orders used in shipboard routines
- Importance of communication

5. Human relationships at sea

- Importance of maintaining good human relationships
- Social responsibilities
- Individual rights and obligations
- Dangers of drug and alcohol abuse

6. Sexual health for seafarers

- Common STD varieties including HIV/AIDS
- STD transmission and consequences
- STD prevention & treatment
- Safe sexual practice

Learning Outcomes: On completion of this course the learner will be able to:

Learning Outcome 1 **Outline; emergency response organization, emergency procedures, escape routes, and requirements for on board training on ships.**

Assessment criteria

- 1.1 The incidents that may result in an emergency on a ship are listed.
- 1.2 A typical emergency response arrangement used on board merchant vessels is described.
- 1.3 The information available on a ship's emergency muster list is stated.
- 1.4 The emergency muster and abandon ship signals are stated.
- 1.5 The actions to be taken on hearing an emergency signal are explained.
- 1.6 The value of regular and meaningful on board emergency training is discussed.
- 1.7 The meaning of IMO safety symbols is stated.
- 1.8 The initial safety actions that should be taken on joining a new vessel are listed.

Conditions and methods of assessment

As specified at the end of the outline and by a combination of:

- written assessment
- oral assessment

Learning Outcome 2 **Take precautions to prevent pollution of the marine environment.**

Assessment criteria

- 2.1 The effects of operational or accidental pollution of the marine environment are stated.
- 2.2 The content of MARPOL Annexes I, IV & V are outlined
- 2.3 Basic shipboard environmental protection procedures are described.

Conditions and methods of assessment

As specified at the end of the outline and by a combination of:

- written assessment
- oral assessment

Learning Outcome 3	Observe safe shipboard working practices.
Assessment criteria	<p>3.1 The importance of adhering to safe work practices at all times is discussed.</p> <p>3.2 Potential hazards associated with the shipboard working environment are identified.</p> <p>3.3 The need for personal protective clothing is justified.</p> <p>3.4 The proper use of safety equipment for the protection of hearing, head, hands, feet, eyes and respiratory system is described.</p> <p>3.5 The content of material safety data sheets is outlined.</p> <p>3.6 Precautions and procedures required for entering enclosed spaces are described.</p>
Conditions and methods of assessment	<p>As specified at the end of the outline and by a combination of:</p> <ul style="list-style-type: none"> • written assessment • oral assessment • practical assessment
Learning Outcome 4	Effectively communicate with shipboard personnel regarding shipboard duties.
Assessment criteria	<p>4.1 The meaning of terms relating to the shipboard working environment are defined.</p> <p>4.2 Correct use of the spoken English language is demonstrated.</p>
Conditions and methods of assessment	<p>As specified at the end of the outline and by a combination of:</p> <ul style="list-style-type: none"> • Written assessment • Oral assessment
Learning Outcome 5	Contribute effectively to human relationships in the shipboard environment.
Assessment criteria	<p>5.1 The importance of maintaining good human and working relations aboard ships is discussed.</p>

- 5.2 Individual social responsibilities on board ship are listed.
- 5.3 Individuals rights and obligations with respect to the shipboard work place are discussed.
- 5.4 The dangers associated with drug and alcohol abuse at sea are described.

Conditions and methods of assessment

As specified at the end of the outline and by a combination of:

- Written assessment
- Oral assessment

Learning Outcome 6

Describe the major features of sexually transmitted diseases (STD's) including varieties of infection, symptoms and treatments.

Assessment criteria

- 6.1 STD is defined.
- 6.2 The types and causative agents of STD are discussed.
- 6.3 Risk factors for contracting STD is discussed.
- 6.4 Signs and symptoms of STDs are discussed.
- 6.5 The links between STD and HIV infection is described.
- 6.6 STD prevention, treatment and care options are discussed.

Conditions and methods of assessment

As specified at the end of the outline and by a combination of:

- Written assessment
- Oral assessment

Learning Outcome 7

Describe the major features of the human immunodeficiency virus (HIV) and the acquired immune deficiency syndrome (AIDS).

Assessment criteria

- 7.1 HIV is defined.
- 7.2 AIDS is defined.
- 7.3 HIV and AIDS are differentiated.
- 7.4 Modes of HIV transmission are discussed.
- 7.5 Risk for contracting HIV are discussed.
- 7.6 Progression from HIV to AIDS is discussed.
- 7.7 Testing procedures for HIV is discussed.

- 7.8 HIV prevention, treatment and care options are discussed.

Conditions and methods of assessment

As specified at the end of the outline and by a combination of:

- Written assessment
- Oral assessment

Learning Outcome 8

To describe behaviors that put people at risk for HIV and STD infection, and to discuss safe sex practices.

Assessment criteria

- 8.1 Safe sex is defined.
 8.2 'Risk' behavior is defined.
 8.3 Safe sex practices are discussed.
 8.4 The impact of drugs and alcohol on decision making is discussed.
 8.5 The correct methods of male and female condom use is discussed and demonstrated.
 8.6 Disposal of condoms and potential infective agents is discussed.

Conditions and methods of assessment

As specified at the end of the outline and by a combination of:

- Written assessment
- Oral assessment

Delivery strategy

The course provides for delivery by on or off-the-job training and assessment utilizing facilities that simulate conditions found on board merchant and small commercial vessels. Some areas of content may be common to more than one learning outcome, and therefore integration of training and assessment may be appropriate.

Methods of instruction include:

1. Classroom instruction;
2. Instructor demonstrations;
3. Participation in practical exercises;
4. Group work

Resource requirements

Delivery of the training will require:

- Classroom
- Overhead projector
- Video and monitor
- Learners guides
- Protective clothing training aids
- STD, HIV/AIDS and Safe Sex training aids

Assessment Method**Conditions of assessment**

Knowledge-based criteria will be satisfied through written and oral questioning relating to training sessions. Skill-based criteria will be satisfied through practical assessment throughout the learning period.

Assessment will be performed on the job or off the job, at an approved training centre. Where possible off the job assessment will simulate the real work place situation.

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 attendance policy will apply.