

**TRAINING PLAN**  
**FOR**  
**MARITIME SAFETY COURSE**  
**FOR**  
**EXPERIENCED PROFESSIONAL FISHERMEN**

**Version 2.1**

**Date: 16 February 2005**

**Required qualifications**

The qualifications required are described in the order in force on qualification requirements and certificates of competency for seafarers and fishermen.

**Taxonomy**

The taxonomy (classification of training goals) described in annex 1 is used to describe the purpose and goal.

**Purpose**

When the course participants have completed the maritime safety course, they:

- will have acquired basic knowledge about the life-saving appliances on board a fishing vessel;
- will have acquired skills so that they are able to use all the life-saving appliances on board;
- will have acquired skills so that they are able to check and maintain life-saving appliances;
- will have been informed about the importance of occupational health in the fishing industry;
- will have been informed about the legal conditions of the fishing industry;
- will have been introduced to the subjects of first aid and fire-fighting;
- will have been informed about the legislation in the field of fishing and marine accidents.

**Timetable of the training programme**

The course has an official length of 37 lessons, including the final evaluation.

## **Distribution of responsibilities in connection with maritime safety course for experienced professional fishermen**

The training centres are responsible for:

- developing the training progress and training plans on the basis of the purpose and goal descriptions in the training plan of the Danish Maritime Authority (DMA), including determining the syllabus and indicating the training methods and means;
- the training programme being covered by an approved quality management system;
- carrying out the training and associated evaluation in accordance with the training plans;
- carrying out the final evaluation in accordance with the guidelines of the training plans;
- the admission requirements when enrolling for the training programme being met through satisfactory documentation;
- awarding credits for relevant training;
- recording each individual course participant's evaluation results obtained;
- offering the student guidance about the relevant course.

The Centre for Seafarers and Fishermen is responsible for:

- developing and maintaining training plans;
- co-ordinating the training centres' awarding of credits;
- auditing at the training institutions.

The course participant is responsible for:

- being active in his or her own learning.

## Course subjects

<b>Subject</b>	<b>Page</b>
Maritime safety	4
Occupational health and ergonomics	5
First aid	6
Fire-fighting	7
General orientation	8

**Subject: Maritime safety****Purpose**

The course participant has, by means of both theoretical and practical teaching, obtained knowledge about maritime safety and the practical use and maintenance of life-saving appliances as well as knowledge about the organisation of the maritime rescue service and helicopter rescue activities so that he or she is able to take part in the safety work on board a fishing vessel.

**Goal description**

When the course participant has completed the course, the goal is that he or she:

- is able to act correctly in a crisis, including in rescue situations;
- has obtained knowledge about emergency radios, the GMDSS system and the use of EPIRBs and SARTs, emergency buoys and pyrotechnics;
- is able to don and use personal life-saving appliances, including helicopter harnesses;
- is able to carry out ordinary maintenance tasks on personal life-saving appliances;
- is able to launch and embark liferafts;
- is able to use lifebuoys;
- is able to revert a capsized fleet.

**Evaluation**

Internal evaluation.

## **Subject: Occupational safety and ergonomics**

### **Purpose**

The course participant has obtained such basic knowledge about health risks that he or she is able to carry out the work on board in an appropriate manner in terms of health and safety and has developed an attitude to preventive safety work so that he or she has become aware of the importance of a safe and healthy working environment.

The course participant has also obtained basic knowledge about what factors affect the body during work so that he or she can help prevent industrial injuries through the use of appropriate working postures and movements.

### **Goal description**

When the course participant has completed the course, the goal is that he or she:

- has obtained knowledge about Notice A from the DMA, chapter I, on the performance of work;
- has obtained knowledge about preventive safety work, including various methods for preventing accidents on board;
- has obtained knowledge about the nature and use of personal life-saving appliances;
- has obtained knowledge about the dangerous elements related to the launching and hauling of fishing gear;
- has obtained knowledge about the dangerous elements related to loading and unloading;
- has obtained knowledge about the dangerous elements related to mooring operations;
- is able to assist when using various methods and tools for systematic occupational health work, including risk assessment;
- has obtained basic knowledge about what strains the body is exposed to in connection with various working postures;
- has obtained an understanding of the importance of appropriate lifting, carrying, pushing and pulling techniques as well as relevant aids in different situations in relation to the ship's arrangement and the organisation of the work.

### **Evaluation**

Internal evaluation.

**Subject: First aid****Purpose**

The purpose is to introduce the course participant to first aid so that he or she can help give life-saving first aid in connection with accidents and sudden illness.

**Goal description**

When the course participant has completed the course, the goal is that he or she:

- has obtained basic information about first aid;
- has obtained knowledge about the medicine chest;
- has obtained knowledge about hypothermia.

**Evaluation**

Internal evaluation.

**Subject: Fire-fighting****Purpose**

The course participant has, by means of both theoretical and practical teaching, obtained basic knowledge about fire and fire-fighting on board fishing vessels so that he or she acquires a consciously responsible behaviour and use of inflammable substances and materials and is aware of the importance of fire-preventive measures on board.

**Goal description**

When the course participant has completed the course, the goal is that he or she:

- has knowledge about the origins, spread and fighting of fires;
- has knowledge about the functioning and use of fire-fighting equipment in connection with various types of fires;
- has knowledge about the routine maintenance of fire-fighting equipment;
- has knowledge about preventive measures for preventing fires;
- is able to assist with any evacuation in connection with a fire.

**Evaluation**

Internal evaluation.

**Subject: General orientation****Purpose**

The course participant has been informed about the conditions of the fishing industry, including contact with public authorities and institutions as well as obligations and rights under the seaman's act.

**Goal description**

When the course participant has completed the course, the goal is that he or she:

- is informed about maritime social welfare and health regulations, including obligations and rights in relation to the seaman's act as well as the Danish Fishermen's Occupational Health Services and the port safety committees;
- is informed about the organisation, powers and tasks of the Danish Maritime Authority;
- is informed about fishing legislation and marine accidents.

**Evaluation**

No evaluation.

## ANNEX 1: TAXONOMY (classification of training goals)

### General

The diagram below shows the taxonomy primarily used in the following goal descriptions. For this taxonomy the following applies:

- The individual steps of the classification explain the behaviour that a student who has completed the training programme must be able to show.
- The system consists of six classification steps (goal categories). Altogether they should cover all types of goals within the areas of knowledge and intellectual skills regardless of the type of the training programme and the subjects.
- The classification steps are arranged according to complexity. The knowledge goals are the simplest and the assessment goals are the most complex. When, for example, the student meets a goal at the analytical level, he or she can also meet knowledge, understanding and application goals within the same problem or subject area.
- If the term “inform about” is used, it is not considered to be a question of learning as such, for which reason there need not be an ability to give an account of the subject matter and, consequently, the results are not checked.

Classification of training goals (taxonomy) within knowledge and intellectual skills		
The step of the classification is:	Examples of suitable terms of behaviour:	The classification steps can in short be described as follows:
1. <u>Have knowledge of:</u> Able to repeat information received from memory.	Describe, account for, obtain, identify, mention, define, repeat, recognise.	<b>Knowledge</b> is defined narrowly as approval or repetition of information received.
2. <u>Have an understanding of:</u> Able to account for information received in one’s own words and make use of this instruction in a situation.	Explain, formulate, interpret, calculate, list, demonstrate, explain in one’s own words, give examples.	<b>Understanding</b> includes the ability to interpret any information received, which presupposes reorganisation and summary of a given contents.
3. <u>Could use:</u> Able to use information received in a normal situation to which the information can naturally be attributed without any directions.	Use, choose, solve, distinguish, test, apply, carry out, classify, ascertain, construct, fulfil, arrange, utilize, exert, perform, act.	<b>Use</b> means that skills acquired can be transferred to new situations or new problems corresponding to types already known.
4. <u>Could analyse:</u> Able to divide information into its elements and account for what is characteristic of the relation between them.	Compare, relate, find, extract, choose, deduct, analyse, demonstrate, record.	<b>Analysis</b> is information about the first step in more independent problem-solving of totally new and unknown problems.
5. <u>Could make a synthesis:</u> Able to relate information received to previous experience and thereby formulate one’s own view of the subject.	Propose, present, combine, conclude, organise, plan.	<b>Synthesis</b> requires the development of a new entirety. The students must combine their knowledge in a manner that is new to them.
6. <u>Could assess:</u> Able to balance various views against each other by combining knowledge, understanding, use, analysis and synthesis and on this basis make a decision.	Decide, control, assess, consider, criticise, discuss, evaluate.	<b>Assessment</b> includes basing the assessment on criteria. It does not suffice to present a subjective estimate. An assessment will often be characterised by personal views, but they must be clearly expressed in the criteria listed for the assessment.

## ANNEX II: Guiding number of lessons

### Subject overview of maritime safety course for experienced professional fishermen

<b>Subjects</b>	<b>Evaluation</b>	<b>Lessons</b>
Maritime safety	Internal	
Occupational safety and ergonomics	Internal	
First aid	Internal	
Fire-fighting	Internal	
General orientation	None	
<b>Total number of lessons</b>		<b>37</b>