Course Description Form

Basic Course Specifications					
Course Title	:	Maritime Causality Investigation			
Course Code	:	SE420			
Program on which the course is given	:	❒ **Bachelor**	❒ Diploma	☐ Master	☐Pre- PhD
Academic year	:	**2015/2016**			
Specialization (units of study)	:	Theoretical (64hrs) Credit(2H)			
Pre-Requisites	:				

Overall Course Objectives

On completion of this course, students should be familiar with:
How to identify the steps of making marine safety investigation and how to access the root cause.
The various methods & models of the safety investigation.
The difference between the types of marine causality.
Identify the steps of writing the marine safety investigation report

Intended Learning Outcomes

Knowledge and Understanding

At the end of the course, students should be able to:
Define and understand marine causality investigation.
Demonstrate and explain the basic properties about the human factors.
Describe the characteristics of marine safety investigator.
Describe The steps of making marine safety investigation
Describe and understand the available models to make marine safety investigation.
Describe the marine safety investigation report.

Intellectual Skills

At the end of the course, students should gain the skills of:

Interviewing personnel and extracting facts from data supplied
Visual inspection which leads to root causes and causality reasons

Professional and Practical skills

At the end of the course, students should be able to:

- The difference between the types of marine causality.
- Factors that affect the human factor to cause accidents.
- The factors which the investigator should cover in the marine safety investigation.
- Identify the steps of making marine safety investigation and how to access the root cause.
- Use difference investigation models.
- Identify the steps of writing the marine safety investigation report.

General and Transferable skills

At the end of the course, students should be able to:

- Handling with how to meet witness and collecting evidence.
- Perform specific responsibilities of maritime causality investigation.

Course content

Lect.	Topic	Hrs#	Theoretical	Practical	Simula

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1	Why is marine investigation needed?	4	4		
2	Marine causality investigation code study.	4	4		
3	The human factor role in the marine accident.	4	4		
4	The marine investigator role in the marine investigation.	4	4		
5	How does the marine investigator make the marine safety investigation?	4	4		
6	The steps of making marine safety investigation	4	4		
7	**7th Week Exam**	4	4		
8	The steps of making marine safety investigation	4	4		
9	The importance of the investigation models in the marine safety investigation	4	4		
10	How to make marine safety investigation using shell model?	4	4		
11	How to make marine safety investigation using reason model?	4	4		
12	12th week exam	4	4		
13	How to make marine safety investigation using shell-reason model	4	4		
14	How to make marine safety investigation using shell-reason model?	4	4		
15	How to write the marine safety investigation report?	4	4		
16	Revision & final exam	4	4		

Teaching & learning methods

Explanation of the lesson contents – discussing and asking questions to interact with students – solving examples and classroom tasks.

Facilities required for Teaching & learning methods

■ **Projector**	❒ **Overhead Slide**	■ **Books**	❒ **Video**	❒ **Audio Cassette**

Students Assessment Methods

Assessment Schedule	
Assessment#1	Week 7
Assessment#1	Week 12
Assessment#1	Week 16

Grading Method

Attendance	❒	**2.5 Marks**
Mid Term Examination	❒	**30 Marks**
12th week exam	❒	**20 Marks**
Presentations		
Assignments	❒	**5 Marks**
Projects		
Participation	❒	**2.5 Marks**
Oral Examination		
Final Examination	❒	**40 Marks**
		Total 100%

List of References

Course Notes		
Description	:	Lecturer notes
Essential Books		
Description	:	Marine causality investigation code
Recommended Books		
Description	:	Marine causality investigation code
Periodicals and publications		
Description	:	Imo circulars
Others (websites, e-books…etc)		
Description	:	www.imo.org