Basic Course Specifications					
Course Title	:	Marine Survey & Inspection			
Course Code	:	SE424			
Program on which the course is given	:	■ **Bachelor**	❒ **Diploma**	☐ **Master**	☐**Pre- PhD**
Academic year	:	2015/2016			
Specialization (units of study)	:	Theoretical Credit (2H)	(64hrs)		
Pre-Requisites	:				

Overall Course Objectives

On completion of this course, students should be familiar with: Explain the complex nature of the marine survey and inspections, identify the Various survey types. Analyze the role of the marine surveyor in relation to different bodies, Demonstrate a clear, logical approach to performing marine surveys.

This Course provides the necessary knowledge and basic skills needed in marine surveying & inspection, Identifying the role of marine surveyors towards becoming an informed up to date with highly skilled in relation to cargoes & vessels.

Intended Learning Outcomes

Knowledge and Understanding

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

A1 Explain the complex nature of the marine survey and inspections
A2 Identify the Various survey types
A3 Know the Survey Requirements and Certification
A4 Analyze the role of the marine surveyor in relation to different bodies
A5 Know the Procedures for Class Surveys
A6 Demonstrate a clear, logical approach to performing marine surveys

Intellectual Skills

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

B1) marine survey reports
B2) various types of marine survey.
B3) identifying the difference between flag state control & port state control inspections

Professional and Practical skills

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

C1 Know the marine surveyor duties and responsibilities
C2 Understand the marine survey reports.
C3 Analyze and identify the role of marine surveyor in accident investigation.
C4 Identify the Functional Requirement for Safety Management System (SMS)

General and Transferable skills

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

D1 Identify the general skills of marine surveyors in various scenarios.
D2 Demonstrate the marine surveyor glossary.
D3 Methodology required performing various types of marine survey.
D4 Know the difference between flag state control & port state control inspections.

Course content

Lect. #	Topic	Hrs	Theoretical	Practical	Simulator
1	Introduction to Marine Surveying & Inspection The Structure of the Maritime Industry	4	4		
2	Marine Surveyor Duties and Responsibilities Marine Surveyor and Survey Organizations, Glossary	4	4		
3	Types of Surveys under Harmonization System Types of Marine Surveyors	4	4		
4	Laws and Conventions relating to Marine Surveying International Safety Management (ISM) Code Surveys	4	4		
5	Classification Societies Classification surveys and Inspection	4	4		
6	Class surveys periodicity and scope Statutory Surveys and Inspections	4	4		
7	***7th Week Exam***	4	4		
8	Class Certificate Assignment, Maintenance, Suspension and Withdrawal of Class	4	4		
9	Marine Surveying & Insurance (ISM code)] Flag State Control Inspections	4	4		
10	Port State Control Inspections New Inspection Regime (NIR)	4	4		
11	Audit Techniques & Safety Management System (SMS) Marine Survey Reports	4	4		
12	Draught Survey 12th exam	4	4		
13	The Surveyor's Role in Incident and Accident Investigation Human Factors in Incident investigation (Case Studies)	4	4		
14	Hull & Structural Surveys Damage Repair Survey	4	4		
15	Safety & Security Surveys Documents of Compliance, Reports & Records	4	4		
16	Revision & final exam	4	4		
total		64			

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		

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

List of References

Course Notes

Description	:	Lecturer notes, Course handout, and power point presentation

Essential Books

Description	:	• Multiple IMO Conventions (MARPOL, OPRC, CLC)

Recommended Books

Description	:	• UNCLOS Convention

Periodicals and publications

Description	:	• Imo circulars

Others (websites, e-books…etc)

Description	:	www.imo.org