Marine Survey & Inspection

Basic Course Specification		
Course Title	**Course Code**	**Program on which the course is given**
Marine Survey & Inspection	SE 424	Bachelor
Academic Year	**Specialization** (units of study)	**Pre-Requisites**
2020-2021	Theoretical (1 hrs/week) Application (3 hrs/week) Credit 2 Cr	None

Overall Course Objectives

On completion of this course, students should be familiar with:

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.

Course Learning Outcomes. By successful completion of the course each student will be able to:

Topic	Linking to PLOs	Midterm Assessment	12th Week Assessment	Class Activities	Final Exam
At the end of the course, students should be able to 1. Explain the complex nature of the marine survey and inspections - Identify the Various survey types - Know the Survey Requirements and Certification - Analyze the role of the marine surveyor in relation to different bodies	a	√	√	√	√
2. Know the Procedures for Class Surveys - Demonstrate a clear, logical approach to performing marine surveys.	d	√			√
3. Marine survey reports, Various types of marine survey. - identifying the difference between flag state control & port state control inspections	a			√	√
4. Know the marine surveyor duties and responsibilities - Understand the marine survey reports. - Analyze and identify the role of marine surveyor in accident investigation. - Identify the Functional Requirement for Safety Management System (SMS)	a	√			√
5. Identify the general skills of marine surveyors in various scenarios. - Demonstrate the marine surveyor glossary. Methodology required performing various types of marine survey. -Know the difference between flag state control & port state control inspections	a		√		√

Course Content				
Lec./ Week #	**Topic**	**Hrs. #**	**Theoretical**	**Application**
1	Introduction to Marine Surveying & Inspection The Structure of the Maritime Industry	4	1	3
2	Marine Surveyor Duties and Responsibilities Marine Surveyor and Survey Organizations, Glossary	4	1	3
3	Types of Surveys under Harmonization System Types of Marine Surveyors	4	1	3
4	Laws and Conventions relating to Marine Surveying International Safety Management (ISM) Code Surveys	4	1	3
5	Classification Societies Classification surveys and Inspection	4	1	3
6	Class surveys periodicity and scope Statutory Surveys and Inspections	4	1	3
7	**7th Week Exam**	4	**1**	**3**
8	Class Certificate Assignment, Maintenance, Suspension and Withdrawal of Class	4	1	3
9	Marine Surveying & Insurance (ISM code)] Flag State Control Inspections	4	1	3
10	Port State Control Inspections New Inspection Regime (NIR)	4	1	3
11	Audit Techniques & Safety Management System (SMS) Marine Survey Reports	4	1	3
12	Assessment	4	1	3
13	The Surveyor's Role in Incident and Accident Investigation Human Factors in Incident investigation (Case Studies)	4	1	3
14	Hull & Structural Surveys Damage Repair Survey	4	1	3
15	Safety & Security Surveys Documents of Compliance, Reports & Records	4	1	3
16	**Final Assessment**			
Total		**60**	**15**	**45**

Teaching & Learning Methods	**Facilities Required for Teaching & Learning Methods**
Explaining and demonstrating the lesson contents – Delivery of experience - discussing and asking questions to interact with students – solving examples	White Board& data show

Students Assessment Methods	
Assessment Schedule	
Assessment#1	Week 7
Assessment#2	Week 12
Assessment#3	Week 16

Grading Method		
7th Week Assessment	Written exam	**30%**

Course Content				
Lec./ Week #	**Topic**	**Hrs. #**	**Theoretical**	**Application**
12th week Assessment	Written exam		**20%**	
Class Activities	Participation – Quiz		**10%**	
Final Exam	Written exam		**40%**	
		Total	**100 %**	
Assessment criteria shall meet the standards of the STCW 78 convention "as amended"; and in the light of the related IMO model courses.				
Staff Requirements				
Master FG/Ph.D.				
List of References				
Course Notes		**Essential Books**		
Lecturer notes and sheets		Multiple IMO Conventions (MARPOL, OPRC, CLC) UNCLOS Convention		
Recommended Books		**Periodicals and Publications**		
None		None		
Others (websites, e-books…etc)				
None				

Accreditation Bodies
*Egyptian Authority for Maritime Safety (EAMS) *European Commission (EC) *ISO (9001 – 2015) DNV-GL* *Central Evaluation and Accreditation Agency Hanover, Germany (ZEVA) *Ministry of Education (KSA) Ministry of Higher Education (Greece)* *Ministry of Higher Education (Oman) *Commission for Academic Accreditation (CAA), Ministry of higher Education (UAE) *University of Plymouth, United Kingdom (dual degree)

Prepared By: Course Coordinator Reviewed By: Head of Department

H. Elsayad M. Nassar

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