Ship Certification & Classification Society

Basic Course Specification		
Course Title	**Course Code**	**Program on which the course is given**
Ship Certification & Classification Society	SE 414	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 difference between certifications and documents applied to the merchant ships and the relationship of applying that to the IMO conventions and codes. In addition, understanding the role of the classification society and the reason and importance of its delegation on behalf of the maritime administration

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. Understand the required certificates for each type of ships. why the need for international certificates, and the harmonized system of survey. .	a	√	√	√	√
2. Understand delegation to classification societies Recognize the classification society role in enhancing the maritime safety.	d	√			√
3. Identify the various instruments covering the system of certification Understand the role of port state control, flag state control. Understand delegation to classification societies. .	a			√	√
4. Understand the vital role of the harmonized system Recognize the classification society role in enhancing the maritime safety.	a	√			√
5. Recognize types of survey and ships certificates according to each type.	a		√		√

Course Content

Lec./ Week #	Topic	Hrs. #	Theoretical	Application
1	Introduction to classification society History and development of the class	4	1	3

2	The role and main objectives of the classification society Development of the rules, regulations and guidance Introduction to class cycle	4	1	3
3	Classification notations and list of classes Assignment, maintenance, suspension and withdrawal of the class	4	1	3
4	Surveyors, qualities and qualifications in relation to STCW and surveys and inspections An overview of requirements and certifications of ship building process	4	1	3
5	Definition and procedures related to statutory surveys and inspections Delegated inspection authority IMO and administration and its relation with the class	4	1	3
6	Introduction to IACS The role of IACS and the correlation between obligations and liability	4	1	3
7	**7th Week Exam**	4	**1**	**3**
8	RO's and NGO's	4	1	3
9	Ships classification and certification	4	1	3
10	Port state control &Recognized organizations & delegations	4	1	3
11	-Port state control role & introduction to MOU	4	1	3
12	Assessment	4	1	3
13	Audit Techniques & Safety Management System (SMS)	4	1	3
14	Flag State Control Inspections	4	1	3
15	Safety standards	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%**
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	**SOLAS 1974/98**	
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)

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Date: November 2020