Safety Management Systems

Basic Course Specification		
Course Title	**Course Code**	**Program on which the course is given**
Safety Management Systems	OS 478	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

Students successfully completing this course will be able to know the necessary information of marine health, safety, quality and environmental management which is developed with the objective of assisting ship-owners, and operators to improve the safety and environmental protections in the management and operation of ships.

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
1. Apply ISM code.	c	√	√	√	√
2. Demonstrate the special measures to enhance maritime safety	h			√	√
3. Carry out tasks and responsibilities	k	√	√		√
4. Apply safety management systems correctly on offshore operations	c		√		√
5. Manage Hazards and Risk Assessment.	G	√		√	√

Course Content

Lec./ Week #	Topic	Hrs. #	Theoretical	Application
1	Introduction	4	1	3
2	Certifications	4	1	3
3	Policy	4	1	3
4	Planning	4	1	3
5	Planning cont.	4	1	3
6	Management Programs	4	1	3
7	**7th Week Exam**	4	1	3
8	Implementation and Operation	4	1	3
9	Cont. Implementation and Operation	4	1	3

10	Competence, Training, and Awareness	4	1	3
11	Exercise for selecting suitable search pattern	4	1	3
12	**12th Week Exam**	4	1	3
13	Analysis and improvements	4	1	3
14	Control of Records	4	1	3
15	Management review	4	1	3
16	**Final Assessment**			
	Total Hours	**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

Midterm 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**
None	ISM Code. OHSAS 18001:2007 Code ISO 9001:2008 Code ISO 14001:2004 Code.

Recommended Books	Periodicals and Publications
• ISM Code. • Occupational health OHSAS 18001:2007. • Quality ISO 9001:2008 • Environmental management ISO 14001:2004	
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

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