Watch Keeping & Marine Communication

Basic Course Specification		
Course Title	**Course Code**	**Program on which the course is given**
Watch Keeping & Marine Communication	BS 213	Bachelor
Academic Year	**Specialization** (units of study)	**Pre-Requisites**
2020-2021	Theoretical (1hrs/week) Practical (2hrs/week) Application (3hrs/week) Credit 3 Cr	BS 112

Overall Course Objectives

On completion of this course Student should be highly competent to carry out the International Regulations for Preventing Collision at Sea, 1972, as amended .Recognition and identification of buoys, Bridge resource management and the prevention and control of pollution. To introduce to the students the necessary skills for maintaining a safe navigational watch in accordance with STCW convention chapter VIII, section A-VIII/2 and table A-II/1of the STCW code.

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. Recognize rules of the road and its implementations and simulate the correct action to avoid collision.	b,e	√			
2. Recognize different types of buoyage system to perform safe navigation.	a,b		√		√
3. Explain the flag in the international code of signaling	b	√			
4. Establish communication using the international code of flag signaling.	a,b	√	√		√
5. Apply Morse codes in receiving massage.	a	√		√	
6. Recognize lights and shapes displayed by various types of vessels in different circumstances to take the correct action.	b,e	√	√		√
7. Translate massages using code of flag signaling, medical section.	a,b		√		√

Course Content

Lec./ Week #	Topic	Hrs. #	Theoretical	Practical	Application
1	Introduction and aim of course &COLLREG rules 1-7 Introduction & Methods of signaling	6	1	2	3
2	COLLREG rules 8-15 The definitions according to the international code of signaling	6	1	2	3
3	COLLREG rule 16-22 Using Flags (SINGLE LETTER SIGNALS)	6	1	2	3

4	COLLREG rule 23-25 Using Flags (SINGLE LETTER SIGNALS)	6	1	2	3
5	COLLREG rule 26-30	6	1	2	3
6	COLLREG rule 31-38 Collision avoidance in different cases SINGLE LETTER SIGNALS WITH COMPLEMENTS	6	1	2	3
7	**7th Week Exam**	6	1	2	3
8	Annexes of COLLREG (1-4) Bridge resource management Procedure Signals& IMO Standard Marine Communication Phrases	6	1	2	3
9	Bridge resource management General Selection of ICOS – 1	6	1	2	3
10	Bridge resource management The IALA Buoyage systems General Selection of ICOS – 2	6	1	2	3
11	The IALA Buoyage systems Medical Section	6	1	2	3
12	**12th Week Exam**	6	1	2	3
13	Marine pollution prevention IALA Buoyage system Life –Saving Signals	6	1	2	3
14	Marine pollution prevention-continued G.M.D.S.S Part1	6	1	2	3
15	Marine pollution prevention-continued G.M.D.S.S Part2 Revision	6	1	2	3
16	**Final Assessment**				
	Total Hours	**90**	**15**	**30**	**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 Bridge simulator.

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**
The international code flag signals.2005 edition.	The International Regulations for Preventing Collision at Sea, 1972 as amended.
Recommended Books	**Periodicals and Publications**
A Guide to the Collision Avoidance Rules Seamanship Technique:9781138676114	International Convention on Standards of Training, Certification and Watch keeping for Seafarers (STCW), as amended.
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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