

Course Description Form

Basic Course Specifications				
Course Title	: Watch Keeping Duties			
Course Code	: MM313			
Program on which the course is given	: <input checked="" type="checkbox"/> Bachelor	: <input type="checkbox"/> Diploma	: <input type="checkbox"/> Master	: <input type="checkbox"/> Pre- PhD
Academic year	:			
Specialization (units of study)	: Theoretical 20(hrs)	Simulator (hrs)	Practical 100(hrs)	
Pre-Requisites	: None			
Overall Course Objectives				
<ul style="list-style-type: none"> Maintaining a safe engineering watch in port and during seagoing. Use English in written and oral form. Use internal communication systems. The use of hand and machine tools and measuring instruments. Application of Leadership and Team-working skills. 				
Intended Learning Outcomes				
Knowledge and Understanding				
<p>At the end of the course, students should be able to:</p> <p>a.1 Maintaining a safe engineering watch in port and during seagoing. a.2 Realize the importance of Watch keeping duties in port and during seagoing. a.3 Use English in written and oral form. a.4 Use internal communication systems. a.5 The use of hand and machine tools and measuring instruments. a.6 Application of Leadership and Team-working skills.</p>				
Intellectual Skills				
<p>At the end of the course, students should be able to:</p> <p>b.1 Express respect to staff members and senior colleagues. b.2 Be committed to institutional regulations and discipline. b.3 Recognize value of student and scientific support received from his/her lecturer and trainer. b.4 Apply principals of ethics for maritime profession in every aspect of his/her practical life. b.5 Be dedicated to fulfill given assignment and tasks with perfection. b.6 Express loyalty for his/her affiliation to the sea training institute and the AASTMT whenever the situation necessitate.</p>				
Professional and Practical skills				
<p>At the end of the course, students should be able to:</p> <p>c.1 Know the duties associated with taking over and accepting a watch. c.2 Practice the routine duties undertaken during a watch. c.3 Practice the maintenance of the machinery space logs and the significance of the readings taken duties associated with handing over a watch. c.4 Know the safety and emergency procedures; change-over of remote/automatic to local control of all systems. c.5 Know the safety precautions to be observed during a watch and immediate actions to be taken in the event of fire or accident, with particular reference to oil systems.</p>				
General and Transferable skills				
<p>At the end of the course, students should be able to:</p> <p>d.1 Taking over and Handling over the watch. d.2 Using the internal communication systems. d.3 Demonstrate the routine duties undertaken during the watch in port and during sea going. d.4 Able to use the hand and machine tools and all the measuring instruments. d.5 Taking the suitable responses and actions during the emergency situations (fire or accident).</p>				

Course content					
Lect. Wk.#	Topic	Hrs.#	Theoretical	Practical	Simulator
2	• Watch in port	2	2		
3	• Preparation for maneuvering	2	2		
5	• Receiving the watch during sea going	10	2	8	
6	• Handling over the watch	10	2	8	
8	• Watch keeping routine duties	18	2	16	
10	• Communication with the officer in charge	2	2		
11	• Engine room log book data	8		8	
12	• Watch keeping duties – preparation for maneuvering	10	2	8	
14	• Communication with the officer in charge	10	2	8	
16	• Emergency cases in engine room	18	2	16	
17	• Use of hand and machine tools and measuring instruments	16		16	
18	• Watch keeping routine duties	8		8	
19	• Engine room log book data	4		4	
19	• Safety requirements for working on ship board electrical systems	2	2		
20	• Final assessment	1	1		

Teaching & learning methods				
Explanation of the lesson contents – discussing and asking questions to interact with students audio-visual presentation – practical work-problem solving-.				
Facilities required for Teaching & learning methods				
<input type="checkbox"/> <u>Projector</u>	<input type="checkbox"/> <u>Overhead Slide</u>	<input type="checkbox"/> <u>Books & Guided sea training book</u>	<input type="checkbox"/> <u>Video</u>	<input type="checkbox"/> <u>Engine Equipment</u>
Students Assessment Methods				
Assessment submission Schedule				
Assessment#1 Written-Oral-Practical			(2 nd trip summary submit by end of 2 nd trip)	
Assessment#2 Oral-Practical			(4 th trip summary submit by began of 5 th trip)	
Assessment#3 Oral			(course summary submit by two weeks after final exam date)	

Grading Method		
Attendance	<input type="checkbox"/>	10 Marks
Mid Term Examination	<input type="checkbox"/>	20 Marks
Presentations	<input type="checkbox"/>	5 Marks
Assignments		None
Projects		None
Participation	<input type="checkbox"/>	5 Marks
Oral Examination	<input type="checkbox"/>	20 Marks
Final Examination	<input type="checkbox"/>	40 Marks
		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		

List of References		
Course Notes		
Description	:	Guided sea training book & Lecturer notes
Essential Books		
Description	:	<ul style="list-style-type: none"> Refers to International Labor Office. Accident Prevention on Board Ship at Sea and in Port, 2nd ed. Geneva, ILO, 1996 (ISBN 92-21-09450-2). Refers to Jackson, L and Morton, T.D. General Engineering Knowledge for Marine Engineers. 5th ed. London, Thomas Reed Publications Ltd 1990. (ISBN 09-47-63776-1).
Recommended Books		
Description	:	<ul style="list-style-type: none"> Refers to Jackson, L and Morton, T.D. General Engineering Knowledge for Marine Engineers. 5th ed. London, Thomas Reed Publications Ltd 1990. (ISBN 09-47-63776-1).
Periodicals and publications		
Description	:	<ul style="list-style-type: none"> Ship Manuals of training ship.
IMO Reference		
Description	:	<ul style="list-style-type: none"> International Convention on Standards of Training, Certification and Watch Keeping for Seafarers (STCW78) as amended.

Matrix of knowledge and skills of the Educational Course

University/ Academy	:	AASTMT	Course name: Watch Keeping Duties
College/ Institute	:	Sea Training Institute	Course code: MM313
Department	:	Engineering Guided Sea Training Department	

Week	Course Contents	Knowledge	Intellectual Skills	Professional Skills	General Skills
2	Watch in port	a.1-a.2-a.3	b.5	c.1-c.2-c.3-c.5	d.1-d.2-d.3
3	Preparation for maneuvering	a.3-a.4-a.6	b.5		d.2
5	Receiving the watch during sea going	a.1-a.2-a.3-a.6	b.2-b.4-b.5	c.1-c.2-c.3-c.5	d.1-d.2-d.3
6	Handling over the watch	a.1-a.2-a.3-a.6	b.1-b.2-b.4-b.5	c.1-c.2-c.3-c.5	d.1-d.2-d.3
8	Watch keeping routine duties	a.1-a.2-a.3-a.4-a.6	b.1-b.2-b.4-b.5	c.1-c.2-c.3-c.5	d.1-d.2-d.3
10	Communication with the officer in charge	a.3-a.4-a.6	b.1-b.4	c.2	d.1-d.2-d.3
11	Engine room log book data	a.3	b.4		
12	Watch keeping duties – preparation for maneuvering	a.1-a.2-a.3-a.6	b.1-b.2-b.4-b.5	c.1-c.2-c.3-c.5	d.1-d.2-d.3
14	Communication with the officer in charge	a.3-a.4-a.6	b.1-b.4	c.2	d.1-d.2
16	Emergency cases in engine room	a.3-a.4-a.6	b.1	c.4	d.5
17	Use of hand and machine tools and measuring instruments	a.3-a.5		c.5	d.4
18	Watch keeping routine duties	a.1-a.2-a.3-a.4-a.6	b.1-b.2-b.4-b.5	c.1-c.2-c.3-c.5	d.1-d.2-d.3
19	Engine room log book data	a.3			
19	Safety requirements for working on ship board electrical systems	a.3		c.5	

Instructor

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