

<b>Basic Course Specifications</b>			
<b>Course Title</b>	: Quality Assurance Systems		
<b>Course Code</b>	: SE495		
<b>Program on which the course is given</b>	<input checked="" type="checkbox"/> <b>Bachelor</b>	<input type="checkbox"/> <b>Diploma</b>	<input type="checkbox"/> <b>Master</b> <input type="checkbox"/> <b>Pre- PhD</b>
<b>Academic year</b>	: 2015/2016		
<b>Specialization</b> (units of study)	: Theoretical (64hrs ) Credit ( 2H)		
<b>Pre-Requisites</b>	:		
<b>Overall Course Objectives</b>			
<p><b>On completion of this course, students should be familiar with:</b></p> <p>Understanding the importance of standardization.  Learning the techniques and methodologies required to effectively audit a quality management system.  To have an overview about ISM Code.  To gain knowledge about the development &amp; intention of ISM code &amp; detailed knowledge of its requirement.  The course will also demonstrate how the ISM code will affect shipping companies.  Understanding Port State inspections. (compliance with the international maritime conventions)  Recognizing that efforts by port States have greatly contributed to enhanced maritime Safety and Security and prevention of marine pollution.  Qualified to meet the needs of the maritime transport market.</p>			
<b>Intended Learning Outcomes</b>			
<b>Knowledge and Understanding</b>			
<p><b>At the end of the course, students should be able to:</b></p> <p>A1) Understand the importance of standardization.  A2) Define the existing international instruments as the most important means of preventing maritime casualties and pollution of the sea.  A3) Define the Maritime Safety Management systems which oblige companies to address real causes of hazardous situations.  A4) Understand the ISO series and its relationship with ISM Code.</p>			
<b>Intellectual Skills</b>			
<p>At the end of the course, students should gain the skills of:</p> <p>B1) Analyze, Identify &amp; understand ISO series and its relationship with ISM Code,  B2) effective quality management system in different industries, the importance of the mandatory requirements by port States</p>			
<b>Professional and Practical skills</b>			
<p><b>At the end of the course, students should be able to:</b></p> <p>C1) Understand an effective quality management system in different industries in general, and in the marine sector in particular.  C2) Gain knowledge about the development of ISM code and its requirement.  C3) Understand Procedures for Port State Control and the Status of the relevant instruments.</p>			
<b>General and Transferable skills</b>			
<p><b>At the end of the course, students should be able to:</b></p> <p>D1) Meet the needs of the maritime transport market.  D2) Recognize the importance of the mandatory requirements by port States (compliance with the international maritime conventions)</p>			

D3) Demonstrate how the ISM code will affect shipping companies.

<b>Course content</b>					
<b>Lect. #</b>	<b>Topic</b>	<b>Hrs</b>	<b>Theoretical</b>	<b>Practical</b>	<b>Simulator</b>
1	Introduction to quality management System. Background, The objectives of the ISM code & its elements.	4	4		
2	History of standardization and ISO 9000. Functional requirements for a safety-management system.	4	4		
3	The process approach and Marine related standards and codes. Responsibilities & Authority.	4	4		
4	The QMS requirements. Development of plans for shipboard operations & emergency situations.	4	4		
5	The ISO 9001 clauses (Management responsibility and Resource management) Reports & analysis of non-conformities.	4	4		
6	The ISO 9001 clauses (Product realization) Company Documentation, verification, Review & Evaluation.	4	4		
7	EXAMS	4	4		
8	The ISO 9001 clauses (Monitoring, measurement and continual improvement) Provision for port State control & Professional profile of PSCOs.	4	4		
9	Introduction to Environmental management. Port State Control Inspection Types.	4	4		
10	The ISO 14001 clauses. Contravention and detention.	4	4		
11	The ISO 14001 clauses (continue) Reporting requirements.	4	4		
12	12 <sup>th</sup> exam	4	4		
13	The OHSAS 18001 clauses. Review procedures (Report of comments)	4	4		
14	The OHSAS 18001 clauses (continue) Practice for port State control officers conducting inspections.	4	4		
15	Auditing procedures. The regional Memoranda of Understanding and Agreement on PSC.	4	4		
16	Revision & final exam	4	4		
total		64	<b>64</b>		

#### **Teaching & learning methods**

Explanation of the lesson contents – discussing and asking questions to interact with students – solving examples and classroom tasks.

#### **Facilities required for Teaching & learning methods**

<input checked="" type="checkbox"/> <b>Projector</b>	<input type="checkbox"/> <b>Overhead Slide</b>	<input checked="" type="checkbox"/> <b>Books</b>	<input type="checkbox"/> <b>Video</b>	<input type="checkbox"/> <b>Audio Cassette</b>
--	--	--	---------------------------------------	--

#### **Students Assessment Methods**

**Assessment Schedule**

Assessment#1		Week 7
Assessment#1		Week 12
Assessment#1		Week 16
<b>Grading Method</b>		
Attendance		
Mid Term Examination	<input type="checkbox"/>	<b>30 Marks</b>
12 <sup>th</sup> week exam	<input type="checkbox"/>	<b>20 Marks</b>
Presentations		
Assignments	<input type="checkbox"/>	<b>5 Marks</b>
Projects		
Participation	<input type="checkbox"/>	<b>2.5 Marks</b>
Oral Examination	<input type="checkbox"/>	<b>2.5 Marks</b>
Final Examination	<input type="checkbox"/>	<b>40 Marks</b>
		<b>Total 100%</b>
<b>List of References</b>		
<b>Course Notes</b>		
Description	:	Lecturer notes, Course handout, and power point presentation
<b>Essential Books</b>		
Description	:	<ul style="list-style-type: none"> <li>• The regional Memoranda of Understanding and Agreement on PSC.</li> </ul>
<b>Recommended Books</b>		
Description	:	<ul style="list-style-type: none"> <li>• SOLAS (chapter 9) “International safety management code”, IMO PUBLICATION, Sixth edition 2014, ISBN 978-92-801-1594-9.</li> <li>• IMO Resolution A.787 (19): Procedures for Port state control.</li> <li>• IMO Resolution A.882 (21): Amendments to the procedures for port state control.</li> <li>• IMO Model course 3.09: port state control</li> </ul>
<b>Periodicals and publications</b>		
Description	:	<ul style="list-style-type: none"> <li>• IMO Model course 3.09: port state control.</li> </ul>
<b>Others (websites, e-books...etc)</b>		
Description	:	www.imo.org