

COURSE DESCRIPTION

Course Title	QUALITY AND SAFETY IN SHIPPING			
Course Code	ATQS401			
Course Type	Elective			
Level	BSc (Level 1)			
Year / Semester	4 / Fall or Spring			
Teacher's Name	Captain Andreas Constantinou			
ECTS	6	Lectures / week	3	Laboratories/week
Course Purpose	<p>In this course, students are introduced to the omnipresent evolvement of quality systems, their significance and their benefits. Emphasis is given to the inter-relationship between quality systems and the maritime legislative requirements such as the International Safety Management Code (ISM), the Standards of Training, Certification and Watch keeping Convention (STCW) and the International Ship and Port Facility Security Code (ISPS). The positive effect of self-regulation and its impact on quality shipping, as well as the upgraded role of IMO in view of the executive powers entrusted to this Organization is made abundantly clear.</p>			
Learning Outcomes	<p>By the end of this Course, Students are expected to be able to:</p> <ul style="list-style-type: none"> • Demonstrate thorough understanding of the fundamental quality management principles and the specific systems used in shipping companies • Discuss how the Standards of Training, Certification & Watch keeping (STCW) Code as an important ingredient of ISM, an integrated quality management system in the shipping industry are integrated. • Ability to demonstrate a good understanding of the International Ship and Port Facility security code as a quality standards system for security. • Understanding of the impact of self-regulation and associated control systems (pertaining to maritime safety, protection of the marine environment, quality shipping) in the shipping industry. • Understanding of international requirements pertaining to the implementation/enforcement of international instruments (IMO Flag States Audit Scheme (IMO Assessment Scheme pertaining to the Implementation/Enforcement of the STCW Convention by flag-States). 			
Prerequisites	None	Corequisites	None	
Course Content	<ul style="list-style-type: none"> • Quality systems. • Significance and their benefits. • Principles involved in quality systems. 			

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	<ul style="list-style-type: none"> • Quality systems and the maritime legislative requirements such as the International Safety Management Code (ISM), the Standards of Training, Certification and Watch keeping Convention (STCW) and the International Ship and Port Facility Security Code (ISPS). • The IMO Flag States' Audit Scheme. • Requirements of Organizations other than IMO and ILO, (e.g. OCIMF, INTERCARGO etc.) • Quality systems and the Human element.
Teaching Methodology	<p>The lectures are being conducted with the use of Power Point presentations in a seminal style where the students have the opportunity to interfere and have their own feedback in the discussion of various issues related to quality systems and the need for quality standards in shipping. In this way, active involvement of the students is achieved and the students are not passive recipients of theory learned during the lectures.</p>
Bibliography	<p>(a) <u>Textbooks:</u></p> <ul style="list-style-type: none"> • Managing Safety and Quality In Shipping, Alain-Michel Chauvel, (1997). <p>(b) <u>References:</u></p> <ul style="list-style-type: none"> • ISO 9001:2008, Quality Management Systems, Requirements, ISO. • Eurasia International: Total Quality Management in the Shipping Industry, by Ali Farhoomand, Amir Hoosain (2004) • Choosing a Quality Register: A spotlight on key consideration, SIRC. • Globalisation and de-regulation in the maritime industry, SIRC. • Additional informative material exhibited (by the Instructor) in the University's e-learning platform.
Assessment	<p>1st Midterm-Exam 20%</p> <p>2nd Midterm-Exam 20%</p> <p>Final Exam 60%</p>
Language	<p>English</p>