

COURSE DESCRIPTION

Course Title	TECHNICAL ASPECTS OF SHIPS OF SHIPS AND CARGO HANDLING			
Course Code	ATCH401			
Course Type	Elective			
Level	BSc (Level 1)			
Year / Semester	4 / Fall or Spring			
Teacher's Name	Aris Constantinou			
ECTS	6	Lectures / week	3	Laboratories/week
Course Purpose	This is an elective designed to provide the interested student with technical characteristics and knowledge, of the ship and its gear, not usually required by a Maritime Business graduate. It is the only course of its nature in the programme.			
Learning Outcomes	<ul style="list-style-type: none"> • General knowledge of common ship types and their technical characteristics. • General knowledge of ship motions and forces exerted on a vessel. • Basic knowledge of main types of cranes and cargo lifting equipment. • Basic knowledge of ship construction and new building process. Advantages and disadvantages of geared vessels explained 			
Prerequisites	ATSS101, ATSG101	Co-requisites	n/a	
Course Content	<ol style="list-style-type: none"> 1. The Ship 2. Ship Tech 3. Ship Design and Lines 4. Forces 5. Loading Equipment 6. Geared Vessels 7. New Buildings 8. Safety on board 9. Stability 10. Rules and Regulations 			
Teaching Methodology	Lectures, discussions, presentations, short movie display. Power point presentations used in class and lecture notes available to the students on the e-learning platform. Vessel visits if and where feasible.			
Bibliography	<ul style="list-style-type: none"> • Branch, Elements of Shipping, 7th Edition, Routledge, 2005 • Ship Knowledge, A modern Encyclopedia, by K. van Dokkum • Modern Ship Design, by Gilmmer, Thomas C 			
Assessment	<ul style="list-style-type: none"> • 1st midterm exam 20% • 2nd midterm exam 20% • Final exam 40% 			
Language	English			