



Course Description

Institute: Maritime Postgraduate Studies Institute

Program: Masters in Maritime Transport Technology

1- Course Data		
Course Code: MPI 721	Course Title: Fleet Operation	Academic: 3 CHs.
Specialization: Ship Operation and Marine Safety	No. of Instructional Units: 13	Course Status: Core

2- Course Aim	The course enables experienced shipping industry professionals to succeed in management positions ashore and to apply their learning to identify and solve complex, real-life issues and problems through work-related assignments and workplace projects.
3- Intended Learning Outcome:	
a- Knowledge and Understanding, students will be able to:	<ol style="list-style-type: none"> 1- Identify the role of the ship manager within the context of the development of the marine industry 2- Describe the linkage between quality, safety management and environmental systems 3- Understand the role of Shipping Systems, International Organizations. 4- Understanding Finance and Accounting in the Maritime Industry
b- Intellectual Skills, students will be able to:	<ol style="list-style-type: none"> 5- Critically analysis and Understand the characteristics of each shipping system: Cruise liner, dry bulk and tanker 6- Explain economic characteristics of markets of each of the above system.
c- Professional Skills, students will be able to:	<ol style="list-style-type: none"> 7- Explain both the ISM and ISPS Codes and their interrelationship with the manager 8- Assess the management of resources and operations for vessel activities 9- Analyze core business requirements such as accounting, customer service, law and insurance 10- Gain Personal and Professional Skills to Support Shipping Services



<p>d- General Skills, students will be able to:</p>	<p>11- Discuss international policies of fleet operation. 12- Apply concepts for proposing national and regional policy. 13- Analyze Marketing and Operation Strategies 14- Employment and management of marine personnel</p>
<p>4- Course Content</p>	<p>Week No.1 Course presentation, role of shipping systems, International organizations. Week No.2 Liner Shipping (Container shipping) Systems characteristics. Week No.3 Understanding Finance and Accounting in the Maritime Industry Week No.4 Marketing and Operation Strategies. Week No.5 International Policies (USA - Europe). Week No.6 Regional and National Policies. Week No.7 7th week exam. 1.5 hrs.- Dry Bulk System Week No.8 Economic characteristics of Dry Bulk System and container shipping. Week No.9 Marketing and Operation strategies. Week No.10 International Policies, Regional & National Policies Week No. 11 Employ and Manage Marine Personnel for Vessel Activities Week No.12 12th week Evaluation, Field Trip. Week No. 13 Tanker System, Eco. Characteristics of tanker system. Week No.14 Vessel Support Services: Buy/Sell/Equip/Maintain/Supply Week No. 15 Personal and Professional Skills to Support Shipping Services</p>
<p>5- Teaching and Learning Methods</p>	<p>A mixture of lectures, tutorials, exercises, and case studies are used to deliver the various topics in this subject, some of which are covered in a problem-based format, thereby enhancing the learning objectives. Others are covered through directed study in order to enhance the students' ability of "learning to learn."</p>
<p>6- Teaching and Learning Methods for Students with Special Needs</p>	<p>A mixture of lectures, tutorials, exercises, and case studies are used to deliver the various topics in this subject, some of which are covered in a problem-based format, thereby enhancing the learning objectives by using Office hours and Additional Follow up.</p>



7- Student Assessment:	
a- Procedures used:	<ol style="list-style-type: none"> 1. Participation 2. Assignments 3. Presentations 4. Case Study 5. Quiz 6. Written Exams 7. Workshop
b- Schedule:	<p>Assessment (1) Mid Assessment (2) 12th Assessment (3) 16th.</p>
c- Weighing of Assessment:	<ul style="list-style-type: none"> - 7th Week Examination 30%, - 12th Week Examination 20%, - Oral, seminar research activities evaluation 10%, - Final-term Report Writing 40%, - Semester Work: Total 100%
8- List of References:	<p>GL, 2013. "BEST PRACTICE SHIP MANAGEMENT", study, Germischer Lloyd, Fraunhofer CML. Last cited on: http://www.cml.fraunhofer.de/content/dam/cml/de/documents/Studien/Best-practice-Studie-2013.pdf</p>
a- Course Notes	<ul style="list-style-type: none"> • Power point slides of lectures • Documents such as reports, case studies
b- Required Books (Textbooks)	<p>Alan E. Branch, 2008. "Element of shipping" Routledge, London and New York, eighth edition 2007. Last viewed on the following address: http://samples.sainsburysebooks.co.uk/9781134230068_sample_485186.pdf</p>
c- Recommended Books	<p>Marin Stopford, 2003. "Maritime Economy". Routledge, London and New York, Second edition, 2003. Last cited on the following address: http://anzaliport.pmo.ir/pso_content/media/digital_library/2013/4/book15/15.pdf</p>
d- Periodicals, Web Sites, ..., etc.	<ul style="list-style-type: none"> - DNV-GL ECO INSIGHT - MarineLink

Vice Dean for Educational Affairs
Name & Signature:
Date: 15/6/2015

College/Institute Dean Affairs
Name & Signature:
Date: 20/6/2015