



Course Description

Institute: Maritime Postgraduate Studies Institute

Program: Masters in Maritime Transport Technology

1- Course Data		
Course Code: MPI 729	Course Title: Port Operation Management	Academic: 3 CHs
Specialization: Ship Operation and Marine Safety	No. of Instructional Units: 13	Course Status: Core

2- Course Aim	This course aims to provide a comprehensive review of the role of ports in international trade and transport, the effect of ports on economies and trade that are transported by sea, the impact of globalization on the choice of the port and how it can improve in the modes of transport, logistics and distribution, and the influence of development of ports.
3- Intended Learning Outcome:	
a- Knowledge and Understanding, students will be able to:	<ol style="list-style-type: none"> 1. Identifies ways to develop the field of maritime transport 2. Explaining the reasons for the interest in maritime transport zeal for it to achieve economies of scale 3. Recognize the elements that will port management efficiency 4. Recognize the importance of the application of logistics because they lead to reduced costs as a result of reduced survival time the ship in port 5. Illustrates the importance of developing the role of logistics and the establishment of logistics centers in ports to upgrade the operating rates 6. Recognize the different types of freight 7. Retrieved what has been studied
b- Intellectual Skills, students will be able to:	<ol style="list-style-type: none"> 1. Analysis of the issues of international trade and maritime transport 2. Discusses changes that occur in the elements of maritime transport 3. Compares the different types of ports 4. Compares the different forms of ownership management of ports



<p>c- Professional Skills, students will be able to:</p>	<ol style="list-style-type: none"> 1. The ability to identify the necessary equipment for loading and unloading 2. Distinguish between the different functions in the organizational structure of the port 3. The ability to apply the use of computers in the termination of the proceedings inside the port 4. The ability to develop ports to keep pace with technological development 5. Shows ways to increase revenue through the provision of operational services for incoming ships to lower their prices to attract customers port 6. Shows how to reach optimum occupancy berth
<p>d- General Skills, students will be able to:</p>	<ol style="list-style-type: none"> 1. Explains the different classifications of Ports 2. Ability to organize the test solutions and to reach the answer 3. The ability to link between the academic and scientific field 4. Continuing self-education through researching on all that is new in maritime transport and ports 5. Continuing self-education through realistic case studies 6. The ability to work in groups
<p>4- Course Content</p>	<p>Week No.1 Transport and International Trade Week No.2 Classification of ports Week No.3 Port activities Week No.4 Port's Organizational Structure Week No.5 Measurement of Port Performance Week No.6 Ship output Week No.7 Assessment Week No.8 Port Performance service's indicator Week No.9 Berth Operation Week No.10 Storage Operation Week No.11 Planning & operation of container terminals Week No.12 Assessment: Field Trip Week No.13 Planning & operation of container terminals (cont.) Week No.14 Port logistics</p>



	<p>Week No.15 New trends in port operation</p> <p>Week No.16 Final Assessment</p>
5- Teaching and Learning Methods	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."
6- Teaching and Learning Methods for Students with Special Needs	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.
7- Student Assessment:	
a- Procedures used:	<ol style="list-style-type: none"> 1. <i>Participation</i> 2. <i>Assignments</i> 3. <i>Presentations</i> 4. <i>Case Study</i> 5. <i>Quiz</i> 6. <i>Written Exams</i> 7. <i>Workshop</i>
b- Schedule:	Assessment (1) Mid Assessment(2) 12 th Assessment(3) 16 th .
c- Weighing of Assessment:	<p>7th Week Examination: 30 marks</p> <p>12th Week Examination: 20 marks</p> <p>Oral seminar exam: 10 mark</p> <p>Final-term Report Writing: 40 marks</p> <p>Total 100%</p>
8- List of References:	<p>Patrick M. Alderton, 2008. " Port Management Operation" Free Maritime Library, Maritime Downloads. Last cited on: http://www.libramar.net/news/port_management_and_operations/2014-10-01-1579</p> <p>The World Bank, 2007, "Port Reform Toolkit", Alternative port management structures and ownership models. 3th module. Last cited on: http://www.ppiaf.org/sites/ppiaf.org/files/documents/toolkits/Portoolkit/Toolkit/pdf/modules/03_TOOLKIT_Module3.pdf</p>



a- Course Notes	<ul style="list-style-type: none"> • Power point Presentation • Documents such as reports, case studies
b- Required Books (Textbooks)	WORLD SHIPPING & PORT DEVELOPMENT, LEE, TAE-WOO, PALGRAVE (2005)
c- Recommended Books	Port Business by Jurgen Sorgenfrei (Jun 5, 2013)
d- Periodicals, Web Sites, ..., etc.	<ul style="list-style-type: none"> - Sea-web - Port Technology International - International Association of Ports and Harbors (IAPH) - AAPA Seaports

Vice Dean for Educational Affairs
Name & Signature:
Date: 20/12/2015

College/Institute Dean
Name & Signature:
Date: 20/12/2015