Basic Course Specifications					
Course Title	:	Port Management and Operation			
Course Code	:	**SP 473**			
Program on which the course is given	:	**√❒Bachelor**	**❒ Diploma**	**☐ Master**	**☐Pre- PhD**
Academic year	:	**2015/2016**			
Specialization (units of study)	:	Theoretical (√)	Practical (Visiting Egyptian ports)		
Pre-Requisites	:	None			

Overall Course Objectives

- Identify the basic concepts of port functions and operations and recognize the different types of ports and ports generations.
- Understand the day-to-day activities of safe and cost effective port Operations.

Intended Learning Outcomes

Knowledge and Understanding

At the end of the course, students should be able to:

A1. Understand guidance and provision of the operational and technical management of general cargo, container, dry bulk and liquid bulk terminals.

Intellectual Skills

B1. Obtain an understanding of ports and terminal operations, management systems, mission and values and contribute towards departmental goals and objectives within the organization.

Professional and Practical skills

At the end of the course, students should be able to:

C1. Identify the basic concepts of port functions and operations.
C2. Recognize the different types of ports and ports generations.
C3. Understand the various types of port operations.
C4. Identify the main causes for poor port performance and the corrective action should be taken.
C5. Effectively plan, supervise and control cargo handling operation.
C6. Enhance operation efficiency by deploying the proper resources.

General and Transferable skills

At the end of the course, students should be able to:

D1. Know the key knowledge and specific expertise in port management and operations.
D2. Develop their knowledge, understanding and skills in port management and operations for their future careers and get the best opportunities to begin their chosen career path.

Course content

Lect. #	Topic	Hrs#	Theoretical	Practical	Simulator
1	Port management & operation – elements to consider.	4	**4**		
2	Port management & operation – elements to consider – (Cont.).	4	**4**		
3	Port planning at the national & individual port level.	4	**4**		
4	Port planning at the terminal level	4	**4**		
5	Port functions and core activities – G. cargo terminal.	4	**4**		
6	RoRo& container terminals.	4	**4**		
7	7TH Week Exam.	4	**4**		
8	Dry & Wet bulk terminals.	4	**4**		
9	Operation planning and berth	4	**4**		

	management - G. cargo terminal.				
10	RoRo& container terminals operations.	4	**4**		
11	Dry bulk terminal operations.	4	**4**		
12	Liquid bulk terminal operations and 12TH week exam	4	**4**		
13	Port reception facilities – (Waste management strategy).	4	**4**		
14	Planning of reception facilities and cost recovery systems.	4	**4**		
15	Case study – (Baltic action plan).	4	**4**		
16	Final exam.	4	**4**		

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

❒ **Projector**	❒ **Overhead Slide**	❒ **Books**	❒ **Video**	❒ **Audio Cassette**

Students Assessment Methods

Assessment Schedule

Assessment#1	Week 7
Assessment#1	Week 12
Assessment#1	Week 16

Grading Method

Attendance		
Mid Term Examination	❒	**30 Marks**
12th week exam	❒	**20 Marks**
Presentations		
Assignments	❒	**5 Marks**
Projects		
Participation	❒	**2.5 Marks**
Oral Examination	❒	**2.5 Marks**
Final Examination	❒	**40 Marks**
		Total 100%

List of References

Course Notes

Description	:	Lecturer notes

Essential Books

Description	:	• Thomas, R.E. (1968). Stowage. *The properties and stowage of cargoes*. Glasgow: Brown, Son & Ferguson. • Drewry, (1976). *Ports and terminals for large Bulk carriers.* Issue no.46. London: Author. • Port Technology International. (1998). *Bulk materials handling.* Issue no. 7 (pp. 105-136). London: ICG publishing. • Agerschou, H. (1983). *Planning and design of ports and Marine terminals*. Chichester. John Wiley and Sons. • Fairplay (September 2001). Keeping the lid on VOCs. *Fairplay*. London: Author.

Recommended Books

Description	:	• International Chamber of Shipping (ICS) (Et al.) (1996). *International safety guide for oil tankers and terminals (ISGOTT)* (4th.ed.). London: Witherby.

Periodicals and publications		
Description	:	
Others (websites, e-books…etc)		
Description	:	• Etsibah, S. (2002). Effective cargo and vehicle storage in distribution centres. A case study of CMP. Unpublished dissertation, World Maritime University. Malmo, Sweden. • Bieschke, M.T. (2007). *Container terminal operation.* Unpublished handouts, World Maritime University, Malmo, Sweden.