Course Description

College/Institute: Maritime Postgraduate Studies Institute
Program: M.Sc in Hydrographic Surveying

1- Course Data		
Course Code: MPI 715	Comprehensive Planning and Operation	**Academic Year:2015-2016**
Specialization:	Hydrographic Surveying	

2- Course Aim	This course aims at enabling students to Master fundamentals and methods of research in order to produce their thesis in accordance to the academic final degree research requirements. However, this course aims at enabling students to Master fundamentals and methods of research in order to produce their thesis in accordance to the academic final degree research requirements.
3- Intended Learning Outcome:	
a- Knowledge and Understanding, students will be able to:	1. Perform a complete survey and managing specific project participation. 2. Prepare surveying equipment, ship and crew course, also includes feasibility study upon the project. 3. Manage comprehensive projects 4. Put Project scheduling, cost and plan 5. Selecting instrument, persons and equipment to be used 6. Planning for surveying specific area 7. Collecting data, chart information of survey
b- Intellectual Skills, students will be able to:	Identify and critically analyze issues involved in Comprehensive Planning and Operation and other branches and uses of Comprehensive Planning and Operation
c- Professional Skills, students will be able to:	1. Specifying boat, ship onboard equipment surveying crew 2. Manual and electronic chart contouring drawing
d- General Skills, students will be able to:	1. Displaying surveying results 2. Issuing survey reports, and database management .
4- Course Content	**Week (1)** Introduction to comprehensive projects **Week (2)** Project scheduling, cost and plan **Week (3)** Selecting instrument, persons and

	equipment to be used **Week (4)** Planning for surveying specific area **Week (5)** Collecting data, chart information of survey **Week (6)** Specifying boat, ship onboard equipment surveying crew **Week (7)** 7 th week exam **Week (8)** Manual and electronic chart contouring drawing **Week (9)** Method of displaying surveying results **Week (10)** Practical Surveying **Week (11)** Practical Surveying **Week (12)** 12th week exam **Week (13)** Survey reports, database management **Week (14)** Practical Drawing + Contouring **Week (15)** Practical Plotting and drawing charting **Week (16)** Final exam and assessment
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 by using Office hours and Additional Follow up.
6- Teaching and Learning Methods for Students with Special Needs	
7- Student Assessment:	1.Participation 2.Assignments 3.Presentations 4.Case Study 5.Quiz 6.Written Exams 7.Workshop
a- Procedures used:	
b- Schedule:	Assessment(1) Mid Assessment(2) 12th Assessment(3) 15th.
c- Weighing of Assessment:	7th Week Examination , 12th Week Examination , Final-term Report Writing , Oral seminar exam , Practical Examination , Semester Work , Total 100%
8- List of References:	
a- Course Notes	
b- Required Books (Textbooks)	
c- Recommended Books	

d- Periodicals, Web Sites, ..., etc.	

Vice Dean for Educational Affairs
Affairs Name & Signature:
Date:

College/Institute Dean
Name & Signature:
Date: