

COLLEGE OF THE MARSHALL ISLANDS
COURSE OUTLINE

CIP No. 27.0199
MART 105

Alpha Number

Mathematics for Mariners I
Course Title

Course Description

Designed to provide instruction in basic math skills necessary for employment aboard seagoing vessels. Emphasizes practical application problems relating to shipboard work.

Course prepared by: Vocational

January 2014

	Hours per Week	Number of Weeks	Total Hours	Credits
Lecture	<u>5</u>	<u>16</u>	<u>80</u>	<u>5</u>
Laboratory	<u>5</u>	<u>16</u>	<u>80</u>	<u>2</u>
Clinical	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Seminar	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total Credit Hours				<u>7</u>

Purpose of Course: Degree Requirement
Degree Elective
General Education
Certification X
Developmental
Other

Prerequisite(s) Permission of Instructor


.....

Signature, Curriculum Committee Chairperson

2/25/2014
Date


Signature, Dean of Academic Affairs

2/25/14
Date


Signature, Vice President of Academic and Student Affairs

2/25/14
Date

Last Date reviewed or revised:

Mathematics for Mariners I

Course Title

CIP No. 27.0199

MART 105

Alpha Number

I. Course Outcomes

A. General Learning Outcomes

The student will:

1. Solve basic arithmetic problems (APP 2)
2. Apply essential math formulas and units to shipboard use (APP 2, 3)

B. Student Learning Outcomes

Upon completion of this course, the student will be able to:

1. Add, subtract, multiply and divide whole numbers and fractions
2. Solve typical shipboard math problems using standard formulas and notations

II. Course Content

This course introduces students to nautical math.

1. Basic Mathematics
2. Mathematical applications for navigation, deck seamanship and engineering

III. Methods of Instruction

1. Classroom lecture
2. Independent and group study and practice
3. Computer-based learning systems

IV. Equipment and Materials

1. Texts and reference materials
2. Training videos
3. Computers

V. Suggested Methods of Evaluation

1. Class participation
2. Quizzes
3. Examinations

Letter grades will be assigned per CMI Grading System.