

# UMBC UGC New Course Request: NAVY 400 Naval Operations and Seamanship

Date Submitted: 18JAN2016

Proposed Effective Date: 31AUG2016

|                   | Name            | Email             | Phone       | Dept |
|-------------------|-----------------|-------------------|-------------|------|
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## COURSE INFORMATION:

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| Course Number(s)  | NAVY 400   |
| Formal Title  | Naval Operations and Seamanship  |
| Transcript Title (≤30c)   | Naval Operations   |
| Recommended Course Preparation  |  |
| Prerequisite<br><b>NOTE:</b> Unless otherwise indicated, a prerequisite is assumed to be passed with a "D" or better. | NAVY 201 (Navigation) with a C or better.  |
| Credits   | 3  |
| Repeatable?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |
| Max. Total Credits  | 3<br><small>This should be equal to the number of credits for courses that cannot be repeated for credit. For courses that may be repeated for credit, enter the maximum total number of credits a student can receive from this course. E.g., enter 6 credits for a 3 credit course that may be taken a second time for credit, but not for a third time. Please note that this does NOT refer to how many times a class may be retaken for a higher grade.</small> |
| Grading Method(s)   | <input checked="" type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail  |

## PROPOSED CATALOG DESCRIPTION (no longer than 75 words):

NAVY 400 is a capstone course for senior Navy-option midshipmen in advanced navigation, communications, naval operations, and naval warfare. Students learn through simulation in a computer classroom known as the Maritime Skills Simulator (MSS), in addition to lectures, discussions, and qualitative and quantitative tests/examinations. Students will engage in discussions regarding the moral and ethical responsibilities of military leaders, as well as the essential attributes of character required for effective leadership. Departmental permission required.

## RATIONALE FOR NEW COURSE:

a) **Why is there a need for this course at this time?** This course develops the student to an in-depth study of numerous aspects relating to the efficient and professional manner of U.S. Navy ships' operations and seamanship. The Navy and Marine Corps are charged with maintaining superiority in the maritime domain, and an intimate knowledge of naval operations and seamanship underpins every mission the Navy performs. NAVY 400 will discuss the theory of relative motion as it applies to vessels at sea and learn methods to quickly and accurately compute maneuvering solutions as well as gain a broad understanding of the doctrines of Naval Warfare, Command and Control, and Joint Operations. Additionally, students will learn the fundamentals of the U.S. Navy's systems of communications used on sea-going vessels. The course is supplemented with a review/analysis of case studies involving moral/ethical/leadership issues pertaining to naval operations. The course will consist of 1.25 hours of instruction and practical assessments twice each week.

b) **How often is the course likely to be taught?** The course will be piloted in the Fall 2016 semester and the course will be taught every fall semester (once per Academic Year). Once approved, the course will be adopted into the NROTC program at UMBC as part of its Naval Science curriculum offerings.

c) **How does this course fit into your department's curriculum?** This course is designed to fulfill the U.S. Navy-mandated naval operations and seamanship requirement. The class is a capstone course for midshipmen/students focused commissioning as an officer in the U.S. Navy. Students will practice the maritime proficiency professional competency required to become a naval officer, and develop a basic understanding of naval operations and seamanship concepts that are core to the Navy such as open water seamanship, maneuvering, communication, ship simulations, and moral and ethical leadership. This course may include, but not be limited to, seamanship case studies, ship maneuvering computer simulation exercises, and fleet practical examinations. In addition, the course will utilize a mission bridge simulator and immerse the students in structured learning experiences targeting learning objectives and teamwork competencies.

d) **What primary student population will the course serve:** This course is intended for NROTC scholarship students and those students who wish to join the NROTC program and commission as an officer in the U.S. Navy or Marine Corps. It is open to all enrolled UMBC students with approval by the Professor of Naval Science. This course is designed for midshipmen/students in their fourth year of academic study within the NROTC program, although other students may be accepted for attendance on a case-by-case basis.

e) **Why is the course offered at the level (ie.100, 200, 300, or 400 level) chosen?** This course is intended for NROTC scholarship students who desire a commission in the U.S. Navy. It is offered at the 400 level as a Navy operational capstone course with the intention, but not required, for participating students to have completed NAVY 201 (Navigation) for background prior to this course. The four-year curriculum track for NROTC scholarship students is designed for enrollment of midshipmen/students to this course who are in their senior year of collegiate study. Course completion for students participating in NROTC on two- or three-year curriculum tracks will be accepted pending referral from NROTC Academic Advisors.

f) **Explain the appropriateness of the recommended course preparation(s) and prerequisites(s).** This class is one of the required naval science courses required for completion of the commissioning requirements for the NROTC scholarship, however, it is open to all UMBC students with permission from the Professor of Naval Science.

g) **Explain the reasoning behind the P/F or regular grading method.** Students are able to take a pass/fail course only after they have completed 30 or more credits. Because this class is a core course within the student's Naval Science curriculum continuum, it should only be available as a course with a regular grading method.

h) **Provide a justification for the repeatability of the course.** The Naval Operations and Seamanship course will be offered once per academic year, dependent on the availability of classrooms and associated resources. It is a core course in the NROTC curriculum continuum, and must be completed with a grade of C or higher. Students may repeat the course only one time, consequent to academic review by the Professor of Naval Science.

**ATTACH COURSE OUTLINE (mandatory):**