Navigation and Naval Operations II

NSC 17707 - Fall 2020

**Course Convening**

Days: Monday and Wednesday

Time: 1250-1445

Location: Virtual (Zoom) and COVE Classroom (Tolbert Hall Basement)

**Instructor**

LT Erica Mattern, USN

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Email: emattern@ufl.edu

Office Location: 20 Van Fleet Hall

Office Hours: Schedule virtual appointments by email

**Course Description**

A continuation of navigation and naval operations. Relative motion theory and the use of a maneuvering board. An understanding of the force, techniques and concepts associated with ship handling, including shipboard watch organization, communication systems and environmental considerations. The role of leadership ethics is discussed while developing an understanding of the process of command and control, dealing specifically with information exchange, conflict resolution and crisis decision making. Prereq: NSC 3214C.

**Textbooks**

* *Navigation Rules and Regulations Handbook: Updated to LNM and NTM 7-18 Paradise Cay Version*by Department of Homeland Security Paperback– September 18, 2014
* *Naval Strategy and Tactics*

**Classroom Procedures and Policies**

* **Attendance is mandatory.** If you have ONE unexcused absence, we will formally meet to discuss NROTC requirements and to resolve future possibilities of tardiness. If you have TWO unexcused absences, the you will be dropped a complete letter grade and formally counseled. If another class runs late or an emergency comes up the day of class, you may text me and let me know that you will be late/absent. I will only accept these messages until five minutes prior to the start of class. State your name in the message or leave a voicemail if I do not answer. Maintain professionalism in all correspondence.
* **Professionalism and participation** are required to succeed as a Naval Officer and to succeed in this class. I expect for you to collaborate, engage in discussions, request help early, and help each other gain a firm understanding the NROTC Core Competencies specific to this course.
* **Extension requests** will be granted on a case-by-case basis. In general, acceptable reasons for extension requests include serious illness or family emergencies.
* **Late Assignments *-*** Ten points will be deducted from the assignment for each day it is late. All assignments are due prior to class commencement. One second past 0825 is late.
* **Make-up quizzes and exams** will be determined on a case-by-case basis for legitimate reasons such as a serious family emergency or significant illness.
* **Assignment submissions** will be submitted either in person or through Canvas.
* **Cell phones and computers -** Laptop computers are permitted for notetaking in class. However, this privilege will be lost after the first occurrence of a student being caught using a laptop inappropriately (Facebook, browsing the internet, etc). Cell phones must be on silent (vibration also turned off).
* **Eating and drinking** in class is permitted if it does not distract.

**Communicate**

Communicate early and often. Please come talk to me if you start to fall behind due to overall course load or you do not understand material in this course. Identifying problems early will allow us to strategize the way to success.

**Grading Scale, Assessments, and Descriptions**

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| Grading Scale  |
| A | 93.50-100 |
| A- | 89.50-93.40 |
| B+ | 86.50-89.40 |
| B | 83.50-86.40 |
| B- | 79.50-83.40 |
| C+ | 76.50-79.40 |
| C | 73.50-76.40 |
| C- | 69.50-73.40 |
| D+ | 66.50-69.40 |
| D | 64.50-66.40 |
| E | 0-64.40 |

* I will drop the lowest quiz grade prior to the final grade calculation.
* **I will not curve or round grades. A 93.49 is an A- and a 93.50 is an A. This is final.**
* Letter grades correspond to grade points as outlined in the UF policy found here: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

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| **Course Assessments**  |
| Homework | 10% |
| Quizzes | 10% |
| Exam 1 | 15% |
| Exam 2 | 15% |
| Exam 3 | 15% |
| Participation & \*COVE\* | 20% |
| Final Battle Problem  | 15% |

**Assessment Descriptions**

**Homework (10%)** – These assignments will either practice the lesson or assist reading assignments necessary for following class.

**Quizzes (10%) –** Quizzes will be given throughout the course to highlight major concepts, to check your understanding of the content, and to ensure consistent recall throughout the course. I will drop the lowest quiz grade.

**Exam 1 - Rules of the Road and Maneuvering Board Exam (15%) –** This exam is based on COLREGS Navigation Rules and Regulations test, advanced maneuvering boards, and maritime law. The exam will consist of conceptual questions to reaffirm critical thinking while in the Pilothouse and will include some, but not all, questions from the standard test bank.

**Exam 2: Advanced Operations Exam (15%) –** This exam will encompass ship handling, standard commands, shipboard operations, and communications. The exam will consist of conceptual questions to reaffirm critical thinking while ship driving and conducing shipboard operations.

**Exam 3: Naval Warfare Exam (15%) –** This exam will test the student’s knowledge on naval command and control structures, warfare doctrines, and employment of Naval forces. The exam will consist of conceptual questions to reaffirm critical thinking from the operational perspective of Naval Warfare.

**Participation (20%) –** Involvement in class discussions, timeliness, and COVE participation is mandatory. If you are out of town or unable to attend your COVE ship driving (sessions), this will be virtually in small groups (see below). In-person COVE ship driving is not mandatory due to COVID-19, but recommended to maximize your experience.

**\*COVE\* -** The Conning Officer Virtual Experience (COVE) simulator will enable to students to practically apply ship driving concepts and naval operations. These sessions will be conducted throughout the semester in small group sessions. Students MUST come prepared to execute the mission as they would on the ship.

**Final Battle Problem (15%) –** This exam will encompass major concepts listed in the course schedule.

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| **Course Schedule** |
| **Day** | **Month** | **Date** | **Topic** |
| M | Aug | 31 | SyllabusLesson 1: UNCLOS/FON/Maritime StrategyLesson 2: Rules of the Road ReviewBook Issue\* |
| W | Sept | 2 | Lesson 2: Rules of the Road Review*Rules of the Road Quiz 1* |
| M | Sept | 7 | Labor Day (Federal/UFL Holiday). **No class today.** |
| W | Sept | 9 | Lesson 3: MOBOARDS – CPA, Tracking and Intercept*Rules of the Road Quiz 2* |
| M | Sept | 14 | Lesson 4: MOBOARDS – Formations, Dispositions, Screens and Rules*Rules of the Road Quiz 3* |
| W | Sept | 16 | Lesson 5: MOBOARDS – Winds*Rules of the Road Quiz 4* |
| M | Sept | 21 | MOBOARD PracticeTest Review  |
| W | Sept | 23 | Exam 1: Advanced Navigation |
| M | Sept | 28 | Lesson 6: Shiphandling (Forces/Tugs/Equip)Standard Command Review |
| W | Sept | 30 | COVE - Ship driving Familiarity and Man-Overboard (Small Group Sessions) |
| M | Oct | 5 | Lesson 7: Celestial Navigation ReviewCOVE – Ship Driving Familiarity & Man-Overboard (Small Group Session) |
| W | Oct | 7 | Lesson 8: Visual Comms and SignalsLesson 9: External Comms/Radiotelephone |
| M | Oct | 12 | Columbus Day (Federal Holiday). **No class today.** |
| W | Oct | 14 | Lesson 10: Tactical Maneuvering Exercise |
| M | Oct | 19 | Lesson 11: WatchstandingLesson 14: FITZGERALD/JSM Collision Case Study |
| W | Oct | 21 | *Standard Command Quiz*Lesson 12: Underway Replenishment /AnchoringCOVE Underway Replenishment /Anchoring  |
| M | Oct | 26 | COVE Underway Replenishment /Anchoring |
| W | Oct | 28 | COVE Underway Replenishment /Anchoring |
| M | Nov | 2 | COVE Underway Replenishment /Anchoring |
| W | Nov | 4 | Exam 2: Advanced Operations |
| M | Nov | 9 | Lesson 15: Naval Command and ControlLesson 16: NWDS Introduction |
| W | Nov | 11 | Veterans Day (Federal/UFL Holiday). **No class today.** |
| M | Nov | 16 | Lesson 17: NWDS – Surface/Air WarfareLesson 18: NWDS – Special Ops/Special Warfare/Undersea Warfare |
| W | Nov | 18 | Lesson 19: NWDS – Cyber WarfareLesson 20: NWDS – Amphib Warfare/Employment of Naval Forces |
| M | Nov | 23 | Lesson 21: Intro to Operational and Administrative Chain of Command |
| W | Nov | 25 | Thanksgiving Break. **No class today.** |
| M | Nov | 30 | Lesson 22: Joint Organization and Warfare in the 21st Century |
| W | Dec | 2 | Exam 3  |
| M | Dec | 7 | Final Battle Problem  |
| W | Dec | 9 | Final Battle Problem  |
| **W** | **Dec** | **16** | **\*\*\*Final Exam: 12/16/2020 @ 7:30 AM - 9:30 AM\*\*\*** |

**Academic Honesty**

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code specifies a number of behaviors that are in violation of this code and the possible sanctions. [Click here to read the Honor Code](https://sccr.dso.ufl.edu/process/student-conduct-code/). Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

**Students with Disabilities**

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting *https://disability.ufl.edu/students/get-started/.* It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

**Discrimination (Title VII)**

[UF Regulation 1.006](http://regulations.ufl.edu/wp-content/uploads/2012/09/1.006.pdf) expressly prohibits discrimination on the basis of: race, creed, color, religion, age, disability, sex, sexual orientation, gender identity and expression, marital status, national origin, political opinions or affiliations, genetic information and veteran status as protected under the Vietnam Era Veterans’ Readjustment Assistance Act.

**Sexual Assault, Harassment, or Misconduct (Title IX)**

The University of Florida is committed to providing a safe educational, working, and residential environment that is free from sexual harassment or misconduct directed towards any and all members of the community. To achieve this goal, no behavior of this nature will be tolerated and, if discovered, the procedure for investigation and potential adjudication, as outlined in this policy, will be followed. Similarly, retaliation against an individual who has filed a complaint regarding alleged sexual harassment or misconduct is also against University policy and may result in disciplinary action. Students, faculty, staff, contracted workers and visitors are urged to promptly report any such behavior to the Office of Title IX Compliance. Additional information may be found at <https://titleix.ufl.edu/full-sexual-harassment-and-misconduct-policy/>

**Campus Resources for Health and Wellness**

* *U Matter, We Care*: If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit [U Matter, We Care website](https://umatter.ufl.edu/) to refer or report a concern and a team member will reach out to the student in distress.
* *Counseling and Wellness Center*: [Visit the Counseling and Wellness Center website](https://counseling.ufl.edu/) or call 352-392-1575 for information on crisis services as well as non-crisis services.
* *Student Health Care Center*: Call 352-392-1161 for 24/7 information to help you find the care you need, or [visit the Student Health Care Center website](https://shcc.ufl.edu/).
* *University Police Department*: [Visit UF Police Department website](https://police.ufl.edu/) or call 352-392-1111 (or 9-1-1 for emergencies).
* *UF Health Shands Emergency Room / Trauma Center:* For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; [Visit the UF Health Emergency Room and Trauma Center website](https://ufhealth.org/emergency-room-trauma-center)

**Academic Resources**

* *E-learning technical support*: Contact the [UF Computing Help Desk](http://helpdesk.ufl.edu/) at 352-392-4357 or via e-mail at helpdesk@ufl.edu.
* [*Career Connections Center*](https://career.ufl.edu/): Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.
* [*Library Support*](https://cms.uflib.ufl.edu/ask): Various ways to receive assistance with respect to using the libraries or finding resources.
* [*Teaching Center*](https://teachingcenter.ufl.edu/): Broward Hall, 352-392-2010 or to make an appointment 352- 392-6420. General study skills and tutoring.
* [*Writing Studio*](file:///C%3A%5CUsers%5Cematt%5CAppData%5CLocal%5CTemp%5Cwriting.ufl.edu%5Cwriting-studio%5C)*:* 2215 Turlington Hall*,* 352-846-1138. Help brainstorming, formatting, and writing papers.
* *Student Complaints On-Campus*: [Visit the Student Honor Code and Student Conduct Code webpage for more information](https://sccr.dso.ufl.edu/policies/student-honor-%20code-student-conduct-code/).
* *On-Line Students Complaints*: [View the Distance Learning Student Complaint Process](https://distance.ufl.edu/getting-help/student-complaint-process/).

**Course Evaluations**

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. [Click here for guidance on how to give feedback in a professional and respectful manner](file:///C%3A%5CUsers%5Clilyrlewis%5CAppData%5CLocal%5CMicrosoft%5CWindows%5CINetCache%5CContent.Outlook%5CLU96BFUU%5Cgatorevals.aa.ufl.edu%5Cstudents%5C). Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via [ufl.bluera.com/ufl/.](https://ufl.bluera.com/ufl/) [Summaries of course evaluation results are available to students here](https://gatorevals.aa.ufl.edu/public-results/).

**COVID-19 Polices and Requirements**

We may have some face-to-face instructional sessions to accomplish the student learning objectives of this course for those who elect in-person COVE training. In response to COVID-19, the following policies and requirements are in place to maintain your learning environment and to enhance the safety of our in-classroom interactions.

* + - You are required to wear approved face coverings at all times during class and within buildings. Following and enforcing these policies and requirements are all of our responsibility. Failure to do so will lead to a report to the Office of Student Conduct and Conflict Resolution.
		- This course has been assigned a physical classroom with enough capacity to maintain physical distancing (6 feet between individuals) requirements. Please utilize designated seats and maintain appropriate spacing between students. Please do not move desks or stations. We will not have more than three total personnel in the COVE simulator room at one time.
		- Sanitizing supplies are available in the classroom if you wish to wipe down your desks prior to sitting down and at the end of the class.
		- Follow your instructor’s guidance on how to enter and exit the classroom. Practice physical distancing to the extent possible when entering and exiting the classroom.
		- If you are experiencing COVID-19 symptoms ([Click here for guidance from the CDC on symptoms of coronavirus](https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html)), please use the UF Health screening system and follow the instructions on whether you are able to attend class. [Click here for UF Health guidance on what to do if you have been exposed to or are experiencing Covid-19 symptoms](https://coronavirus.ufhealth.org/screen-test-protect/covid-19-exposure-and-symptoms-who-do-i-call-if/).
		- Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work. [Find more information in the university attendance policies](https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/).

**Privacy**

Our class sessions may be audio visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded.  If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded.  If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.