



2017 – 2018

Mr. Jason Belton, Principal  
Mr. Mohammad Abdelaziz, Assistant Principal/Athletic Director  
Ms. Carrie Halstead, Assistant Principal  
Ms. Suzette Matthews, Assistant Principal

# Orange High School

## Course Syllabus

### NAVAL JUNIOR RESERVE OFFICER TRAINING CORPS

#### Course Information

Credits: 5  
Marking Period: Full Year Course  
Program: **Naval Science III**  
Class Location: 220

#### Teacher Information

Name: Chief Thomas J Sperduto  
Phone: 973-677-4050 EXT. 5691  
Office Location: Room 220  
Office Hours: Monday-Friday 8:00 a.m. to 3:00 p.m.  
E-Mail: sperduth@orange.k12.nj.us

#### Course Description:

#### CURRICULUM FRAMEWORK

#### Naval Science 3

- A. Major concepts/content. The purpose of this course is to further develop the understanding and importance of sea power and national security, naval operations and support functions, military law, international law and the sea and naval leadership.

The Content should include, but not be limited to the following:

- sea power and national security
- naval operations, and support functions
- military law, discipline and punishment
- fundamentals of international law and the sea
- naval leadership

- B. Intended outcomes. After successfully completing this course the student will:

1. Investigate the role of Sea Power and National Security.
2. Expand the understanding and knowledge of Naval Operations, and Support Functions.
3. Obtain a basic knowledge of Military Law, Discipline and Punishment.
4. Have a working knowledge of the fundamentals of international law, the international law of the sea, the law of war at sea and collective security.

5. Demonstrate knowledge of the challenge of leadership, the qualities of an effective leader, how to evaluate performance and give instruction.
  6. Demonstrate confidence and proficiency in basic individual, squad, and company close-order drill. Understand and interpret the components of physical fitness.
- C. Special note. The sixth intended outcome is not an academic component of the NJROTC curriculum similar to the previous four intended outcomes. Demonstrating confidence and proficiency in basic individual squad, company close-order drill is a laboratory activity consisting of 72 hours of drill, commands ceremonies, rotation of command, regular personnel inspections, parade in company review, and personal physical fitness training.

## SECTION B

### COURSE OBJECTIVES

- UNIT TITLE: 1.0 Sea Power and National Security
- UNIT OBJECTIVE: 1.0 The cadet will be expected to demonstrate an understanding of the international law as it applies to countries using the sea.
- LESSON TOPIC: 1.1 The Importance of Sea Power
- ALLOTTED SESSIONS: 3
- LESSON TOPIC OBJECTIVES:
- 1.1.1 Define the importance of sea power as it relates to America.
  - 1.1.2 Describe four major developments since World War II that have increased the importance of the oceans of the world.
  - 1.1.3 Describe the strategic ocean areas.
  - 1.1.4 Describe the fourfold mobility we gain from the sea.

- 1.1.5 Describe the purpose and function of the United States Merchant Marine and the relationship between maritime commerce and the economy of the United States.
- 1.1.6 Explain the importance of ocean research to the United States.
- 1.1.7 Describe the vital role oceans will play in the future of mankind.

LESSON TOPIC: 1.2 The U.S. Merchant Marine

ALLOTTED SESSIONS: 3

LESSON TOPIC OBJECTIVES:

- 1.2.1 Give a historical view of the United States merchant marine from 1850s to the present.
- 1.2.2 Describe national policy as it related to the merchant marine acts.
- 1.2.3 Describe the impact of waterborne commerce.

B-1-1

- 1.2.4 Describe the types of merchant ships.
- 1.2.5 Describe the auxiliary function of the U.S. merchant marine in national defense.
- 1.2.6 Explain the merchant marine's role in supporting our military forces in both peace and war.
- 1.2.7 Describe the merchant marine's role in carrying strategic materials and energy resources which support the civilian economy and the defense production of our nation.
- 1.2.8 Explain the direct support the merchant marine provides to some military operations.

- 1.2.9 Identify the auxiliary combatant role of merchant ships.
- 1.2.10 Describe the role of the merchant marine in support of foreign policy.
- 1.2.11 Describe the future of the merchant marine.

SESSION TOPIC: 1.3 Grand Strategy

ALLOTTED SESSIONS: 3

LESSON TOPIC OBJECTIVES:

- 1.3.1 Define national, grand, and military strategy.
- 1.3.2 Name the major strategists from 400 B.C. to the mid-nineteenth century.
- 1.3.3 Describe the three classic schools of strategy.
- 1.3.4 Explain preparedness as it relates to grand strategy.
- 1.3.5 Describe the three phases of the evolution of U.S. strategy.
- 1.3.6 Describe the concepts of massive retaliation and response as they relate to U.S. grand strategy.
- 1.3.7 Describe the three principle elements of today's military strategy.
- 1.3.8 Explain the anticipated future strategic trends.

grand

flexible

national

LESSON TOPIC: 1.4 U.S. Strategy and the Navy

ALLOTTED SESSIONS: 3

LESSON TOPIC OBJECTIVES:

- 1.4.1 Describe the two basic functions of the U.S. Navy.
- 1.4.2 Explain the three functional roles of the Navy within national military strategy.
- 1.4.3 Differentiate between tactics and strategy.
- 1.4.4 Describe modern tactical innovations.
- 1.4.5 Describe the capabilities the U.S. naval force must have if it is to be able to support national strategy.
- 1.4.6 Describe the Navy's fundamental and supportive tactical warfare tasks.
- 1.4.7 Describe the two categories of major tactical naval ships.

LESSON TOPIC: 1.5 National Security and Modern Conflict

ALLOTTED SESSIONS: 3

LESSON TOPIC OBJECTIVES:

- 1.5.1 Explain the major concerns and elements used to evaluate national strategy.
- 1.5.2 Describe the nine principles of war that govern war fighting strategy and tactics.
- 1.5.3 Explain the following forms of modern armed conflict: general war, revolutionary war, and terrorism.
- 1.5.4 List the possible causes of general war.
- 1.5.5 Describe the prerequisites for revolution.

B-1-3

UNIT TITLE	2.0	Naval Operations and Support Functions.
UNIT OBJECTIVE:	2.0	The Cadet will be expected to demonstrate knowledge of the major organizations of the Navy, and how communicating among naval units is accomplished, the value of good intelligence, and the need to protect that intelligence.
LESSON TOPIC:	2.1	Naval Operations
ALLOTTED SESSIONS:	5	
LESSON TOPIC OBJECTIVES:		
	2.1.1	Describe naval task force organization.
	2.1.2	Describe the naval command and control organization.
	2.1.3	Define strike and strike group in the context of naval striking forces.
	2.1.4	Describe the missions of the carrier strike forces.
	2.1.5	Describe the modern carrier strike group (CSG).
	2.1.6	Describe naval surface action groups.
	2.1.7	Describe fleet aviation organization.
	2.1.8	Describe air warfare.

- 2.1.9 Describe surface warfare.
- 2.1.10 Describe submarine warfare.
- 2.1.11 Describe undersea warfare.
- 2.1.12 Describe amphibious warfare.
- 2.1.13 Describe the principle objectives for amphibious operation.
- 2.1.14 Describe information warfare.
- 2.1.15 Describe space warfare.

LESSON TOPIC:        2.2        Naval Communications

ALLOTTED SESSIONS:    3

LESSON TOPIC OBJECTIVES:

- 2.2.1 Describe the major functions of naval telecommunications.
- 2.2.2 Describe the major telecommunications commands under the Chief Of Naval Operations (CNO).

B-1-4

- 2.2.3 Cite ways in which electronic equipment has aided in communication.
- 2.2.4 Explain the purpose of International Morse Code.
- 2.2.5 Describe the advantages of visual communication.
- 2.2.6 Describe the various sound and pyrotechnic signaling devices.

LESSON TOPIC:        2.3        Naval Intelligence

ALLOTTED SESSIONS:    5

LESSON TOPIC OBJECTIVES:

2.3.1 Provide general definition of intelligence.

2.3.2 Describe the roles that planning and direction, collection, processing, analysis and production and disseminating play in the intelligence cycle process.

2.3.3 Discuss the types of intelligence, to include naval intelligence and air intelligence.

2.3.4 Describe the makeup of the U.S. intelligence community.

2.3.5 Describe the Central Intelligence Agency(CIA).

2.3.6 Describe the Federal Bureau of Investigation (FBI).

2.3.7 Describe the Department of Homeland Security (DHS).

2.3.8 Describe Department of Defense (DoD) Intelligence

Agencies.

2.3.9 Describe the role of the Office of Naval Intelligence (ONI).

2.3.10 Describe the basis of foreign intelligence

organizations.

2.3.11 Describe the roles of spies and diplomats in espionage operations.

2.3.12 Define counterintelligence.

2.3.13 List three different security classifications.

2.3.14 Explain the purposes of security clearances.

2.3.15 Explain the consequences of security breaches.

B-1-5

LESSON TOPIC: 2.4 Navy Logistics

ALLOTTED SESSIONS: 2

LESSON TOPIC OBJECTIVES:

2.4.1 Describe the Navy's logistics supply and services system that began during World War I.

play 2.4.2 Describe the principles of logistics that come into in logistics planning at all levels.

2.4.3 Describe the six functional areas of logistics.

disposition. 2.4.4 Explain the following four elements of logistics: acquisition, distribution, sustainment, and

2.4.5 Describe logistics in modern warfare.

LESSON TOPIC: 2.5 Navy Research and Development

ALLOTTED SESSIONS: 3

LESSON TOPIC OBJECTIVES:

of 2.5.1 Describe the Research and Development (R&D) program the Department of Defense (DoD).

2.5.2 Describe the management of the Navy's R&D program.

2.5.3 Explain the role of the Office of Naval Research (ONR) in naval research and development .

2.5.4 Describe the role of the Naval Research Laboratory (NRL) in naval research development.

2.5.5 Describe the objectives of the naval oceanographic research program.

2.5.6 Describe the current research and development projects.

B-1-6

UNIT TITLE: 3.0 Military Law

UNIT OBJECTIVE: 3.0 The cadet will be expected to demonstrate an understanding of military justice, and how it relates to the navy.

LESSON TOPIC: 3.1 Introduction to Military Law

ALLOTTED SESSIONS: 3

LESSON TOPIC OBJECTIVES:

3.1.1 Explain the history of law codes as it pertains to the Navy.

3.1.2 Describe the relationship between the U.S. Constitution and military law.

3.1.3 Define Navy Regulations.

3.1.4 Describe important Navy regulations.

3.1.5 Explain the purpose of the Uniform Code of Military Justice (UCMJ).

3.1.6 Cite the composition of the UCMJ articles.

LESSON TOPIC: 3.2 Discipline and Punishment

ALLOTTED SESSIONS: 3

LESSON TOPIC OBJECTIVES:

- 3.2.1 Describe the procedures for applying discipline and punishment in the Navy.
- 3.2.2 Describe the process of apprehension, arrest, restriction, and confinement used in the Navy.
- 3.2.3 Describe the procedures for initiating and preferring charges on enlisted personnel aboard a U.S. Navy ship or shore station.
- 3.2.4 Describe the procedure for preliminary investigation leading to captain's mast.
- 3.2.5 Cite two basic classes of official naval disciplinary actions.
- 3.2.6 Describe the features of nonjudicial punishment.
- 3.2.7 Cite the three types of military courts-martial.
- 3.2.8 Explain the method for reviewing courts-martial.
- B-1-7
- 3.2.9 Describe the relationship between civil jurisdiction and military justice.
- 3.2.10 Cite the methods used for disciplinary separations from the service.

UNIT TITLE: 4.0 International Law and the Sea

UNIT OBJECTIVES: 4.0 The cadet will demonstrate an understanding of international law as it applies to countries using the sea.

LESSON TOPIC: 4.1 Fundamentals of International Law

ALLOTTED SESSIONS: 2

LESSON TOPIC OBJECTIVES:

- 4.1.1 Identify the United States' role in international relationships.

- 4.1.2 Explain the purpose of international law and diplomacy.
- 4.1.3 Describe the history of diplomacy as it relates to International law and the sea.
- 4.1.4 Describe the sources of international law which binds independent nations together.
- 4.1.5 Identify three specific characteristics sovereign nations have in common.
- 4.1.6 Identify the rights and duties of sovereign states under International Law.
- 4.1.7 Describe the process of diplomatic recognition.
- 4.1.8 Describe the guidelines pertinent to military and naval attaches under international law.
- 4.1.9 Describe how international problems are solved through the effective use of international law.
- 4.1.10 Describe the concept of collective security.
- 4.1.11 Describe the United Nations (UN).
- 4.1.12 Describe international, regional, and collective arrangements recognized by the UN.
- 4.1.13 Describe modern collective security trends and the issues that revolve around such trends.

B-1-8

LESSON TOPIC: 4.2 International Law of the Sea

ALLOTTED SESSIONS: 2

LESSON TOPIC OBJECTIVES:

- 4.2.1 Explain the customs and treaties from 1604

to the present which relate to the international law of the sea.

- 4.2.2 Identify the main ideas which have formed customary international law of the sea.
- 4.2.3 Describe the four possible adverse impacts of international legal rules affecting the deployment and navigation of naval vessels.
- 4.2.4 Explain the increase of sovereign territorial sea jurisdiction.
- 4.2.5 Describe the potential hardships for the U.S. Navy in straits and many scattered islands around the world.
- 4.2.6 Explain the controversy over where internal bays and gulfs end and where territorial seas begin.
- 4.2.7 Describe how international law deals with rivers, lakes, and canals.
- 4.2.8 Explain the law of the high seas.
- 4.2.9 Describe the economic zone problems.
- 4.2.10 Describe policies on territorial self-defense and rights concerning fisheries.
- 4.2.11 Explain the international law on the continental shelf and seabeds of the world.

LESSON TOPIC:        4.3        The Law of War at Sea

ALLOTTED SESSIONS:   3

LESSON TOPIC OBJECTIVES:

- 4.3.1 Describe the international law as it relates to warships.
- 4.3.2 Explain the general rules of war on land and at sea.

B-1-9

4.3.3 Describe war at sea and the effects war has on international law.

4.3.4 Describe the methods used to enforce laws of war.

UNIT TITLE: 1.0 Leadership

UNIT OBJECTIVE: 1.0 The cadet will be expected to demonstrate knowledge of the challenge of leadership, the qualities of an effective leader, how to evaluate the performance of subordinates, and how to give instruction.

LESSON TOPIC: 1.1 The Challenge of Leadership

ALLOTTED SESSIONS: 1

LESSON TOPIC OBJECTIVES:

1.1.1 Describe the basis for effective leadership.

1.1.2 Explain the differences in philosophies of leadership.

1.1.3 Explain the importance of obedience.

1.1.4 Describe obedience in the military services.

1.1.5 Describe the legal and moral obligations of military leaders.

LESSON TOPIC: 1.2 Qualities of a Leader

ALLOTTED SESSIONS: 2

LESSON TOPIC OBJECTIVES:

1.2.1 Differentiate between moral responsibility and legally enforceable laws.

1.2.2 Define loyalty.

1.2.3 Define devotion to duty

1.2.4 Describe professional knowledge and experience.

1.2.5 Explain the importance of self-confidence.

1.2.6 Describe the value of initiative and ingenuity in the military services.

1.2.7 Compare courage to moral courage.

1.2.8 Explain the importance of a leader's ability to organize and make decisions.

B-10

1.2.9 Describe the importance of leading by personal example.

1.2.10 Explain why mutual trust and confidence are aspects of effective leadership.

1.2.11 Describe what is appropriate conduct whenever wearing a military uniform.

1.2.12 Describe the importance of discipline and self-discipline to effective leadership.

1.2.13 Explain the importance of using consistency conducting disciplinary action.

1.2.14 Explain the consequence each leader faces when he she loses control of his or her temper.

1.2.15 Describe why it is vital for leaders to get to know the people working for them.

1.2.16 Describe friendship versus familiarity.

1.2.17 Define fraternization and sexual harassment.

LESSON TOPIC: 1.3 Evaluation of Performance

ALLOTED SESSIONS: 1

LESSON TOPIC OBJECTIVES:

1.3.1 Define performance, ability, aptitude, and achievement.

1.3.2 Describe evaluation in the NJROTC.

1.3.3 Explain goal setting as it relates to self-evaluation.

1.3.4 Explain progress assessment as it relates to self-evaluation.

1.3.5 Describe the process of self-evaluation.

LESSON TOPIC: 1.4 How to Give Instruction

ALLOTED SESSIONS: 4

LESSON TOPIC OBJECTIVES:

1.4.1 Describe what learning theory is.

1.4.2 List the major factors that influence learning.

1.4.3 Describe the conditions that tend to hinder learning.

B-11

1.4.4 Explain how to prepare a lesson plan, the site where instruction will occur, and yourself as an instructor.

1.4.5 List the commonly used techniques for delivery of instruction.

1.4.6 Describe the advantages and disadvantages of the lecture technique for presenting information.

1.4.7 Describe the main steps of the lecture procedure for

delivering instruction.

1.4.8 Describe the advantages and disadvantages of the lecture with audiovisuals technique for presenting information.

1.4.9 Describe the main steps of the lecture with audiovisuals procedure for delivering instruction.

1.4.10 Describe the advantages and disadvantages of the demonstration technique for presenting information.

1.4.11 Describe the main steps of the demonstration procedure for delivering instruction.

1.4.12 Describe the advantages and disadvantages of the role playing instructional technique.

1.4.13 Describe the advantages and disadvantages of the case study instructional technique.

1.4.14 Describe the advantages and disadvantages of the discussion instructional technique.

1.4.15 Describe the advantages and disadvantages of the cooperative learning instructional technique.

### **Student Evaluation**

The grading system for the Career and Technical Education Department at Orange High School is as follows:

Authentic Assessments (9)	-	25%
Tests (4)	-	25%

Classwork Assignments and Class Participation	-	50%
---	---	-----

### **Attendance Policy:**

#### **Purpose of the Student Attendance Policy**

The purpose of the Orange High School Attendance Policy is to have each student attend all classes, arriving on time and participating fully. Students and parents should familiarize themselves with the provision and procedures of the policy. It is expected that parents will support the intent of the policy and encourage their children to maintain good attendance. Official school attendance is taken during the attendance period daily. Classroom attendance is taken every period.

Students are expected to attend every class, study hall, independent study and homeroom period. Board Policy requires each student to be present for at least 90% of class meetings in order to be eligible to receive credit. The number of absences in each class **MAY NOT EXCEED:**

**18 Cumulative Absences Full Year Course**  
**9 Cumulative Absences Semester Course**  
**5 Cumulative Absences Quarter Course (Health)**  
**14 Cumulative Absences Physical Education**

### **Classroom Expectations:**

1. Cadets will come to class on time prepared and ready to learn.
2. Cadets will wear the NJROTC issued uniform once a week
3. Cadets will complete all assignments, including homework, by all deadlines. Make-up inspections are only accepted after an excused absence.
4. All cadets will be respectful to all staff and students.
5. The instructor and students will work together for a respectful, safe classroom.
6. Participation in class discussions will enhance all cadets learning experiences.
7. Students are expected to have all assigned projects completed; this may require some reading to be completed outside of the classroom.
8. Cell phones, iPods, mp3 players, and any other personal electronic items are prohibited in class unless otherwise instructed.

### **Class Requirements:**

Cadets will be required to adhere to the NJROTC Cadet/Parent contract. Cadets agree to wear the NJROTC once a week. Cadets are required to maintain a “C” average in all classes. Cadets will also be required to complete community service outside of class, participate meaningfully and respectfully in classroom discussions, maintain good attendance, have a respectful and positive attitude, and be on time.

**Academic Dishonesty:**

Pupils are expected to be honest in all of their academic work. To ensure the integrity of Orange High School's educational program, a strict adherence to our district policy of academic dishonesty will be enforced. Students are expected to be honest in order to learn and grow as responsible and ethical citizens. Any breach of this standard endangers the learning process and impugns the integrity of the entire school community. The purpose of education is to prepare students to become lifelong learners, and dishonesty undermines and inhibits that process. No forms of personal and/or academic misrepresentation are permitted. A student, whether cheating alone or helping another person to cheat, will be subject to the disciplinary procedure.

Students will be expected to:

1. Complete his/her own academic work;
2. Refrain from sharing assignments unless authorized to do so;
3. Refrain from engaging in plagiarism when doing research; and
4. Adhere to classroom academic standards when testing.

The District subscribes to Turnitin.com, an electronic resource for helping to detect and prevent plagiarism. If required to do so by their teachers, students must submit their work to the website before presenting the work to their teacher.

**Definition:**

**Cheating:** is defined as any misrepresentation of one's academic work.

**Personal Misrepresentation:** includes attendance records; presenting falsified notes, passes or names; and any other deliberate misrepresentation to school authorities, other than academic work.

**Academic Misrepresentation:** includes but is not limited to, stealing, copying or providing answers on any homework, quiz, test, exam, report, essay or other school assignments, and using sources without proper documentation (plagiarism) as well as changing grades.

Please acknowledge that you have read and understand the information explained above. Students will return this page to their teachers one week from the date the syllabus is received by the student.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Print Name