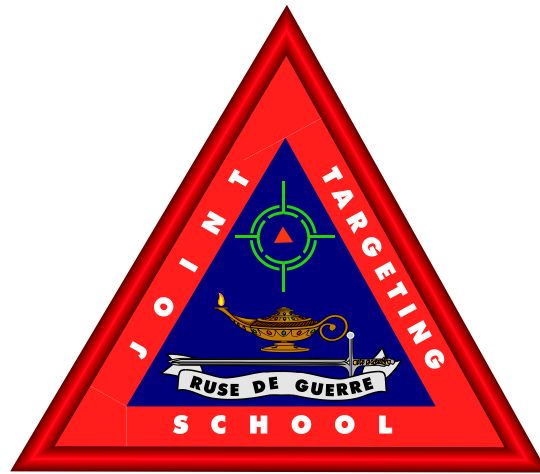


# Joint Targeting Staff Course Syllabus

2020



Joint Targeting School

Joint Staff, J7

**The Joint Staff  
Joint Targeting School  
2088 Regulus Avenue  
Virginia Beach, VA 23461-2099**

**Joint Training Course  
Joint Targeting Staff Course**

**INTRODUCTION**

Joint Staff J-7 is the lead agent for this joint training course syllabus, which is authorized for issue by the Joint Targeting School. This syllabus is directive in nature and prescribes the overall training strategy and amount of instruction required for a student with the entry prerequisites to attain course goals and graduate. Units tasked to implement this syllabus will ensure each student graduated possesses the knowledge, skills and proficiencies set forth in the course training standards. Within the syllabus and other directive constraints, the amount and level of training devoted to mission elements, events, subjects or phases should be adjusted as required to meet individual student needs. Instructions governing publication and revision of this syllabus are contained in *CJCSM 3500.03D, Joint Training Manual for the Armed Forces of the United States*. This syllabus does not take precedence over applicable governing directives.

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LORETA J. FERGUSON  
DOD Civilian  
JTS Deputy Director

## Chapter 1 Course Description

1. **Title:** Joint Targeting Staff Course
2. **Joint Qualified Officer (JQO) Certification Date:** 31 January 2020  
Course earns 1.5 Joint Qualified Officer (JQO) point.
3. **Joint Qualified Officer (JQO) Certification Expiration Date:** 30 January 2023
4. **Course Identifiers**
  - a. **Joint "S" Code:** S359
  - b. **USA CIN:** 303JTS001
  - c. **USAF CIN:** X5OZN14N3 0B4A
  - d. **USMC CIN:** N46HFS3
  - e. **USN CIN:** S-3A0005
  - f. **FMS MASL:** P122025
5. **Objective:** Integrate operations and intelligence functions throughout the Joint Targeting Cycle to provide targeting functions in support of the commander's objectives.
6. **Location:** 2088 Regulus Avenue, Virginia Beach, VA 23461-2099.
7. **Duration:** 15 Training Days.
8. **Entry Prerequisites:** Minimum of a Secret security clearance. Doctrine Networked Education and Training (DOCNET) course JP 3-60, Joint Targeting. Students will turn in completion certificate on Day 1 of Training.
9. **Status Upon Graduation:** Graduates are awarded 1.5 Joint Qualification Officer Points and receive Certificates of Completion.
10. **Academic Training**

	<i>hours</i>
a. <b>Course Prerequisite Training</b>	1.5
b. <b>JTS Instruction (lecture)</b>	37.0
c. <b>JTS facilitated practical exercises</b>	29.0
d. <b>Out-of-class reading</b>	10.0
e. <b>Guest Lectures/Facility Tours</b>	7.0
f. <b>Academic evaluation</b>	4.0
<b>Total Approximate Course Hours</b>	<b>88.5</b>

## Chapter 2 Course Administration

### Section A - Syllabus Management

1. **Syllabus Interpretation:** This syllabus is directive and must be followed as written. When available JTS will make available guest lecturers to augment course material.
2. **Syllabus Waiver:** All syllabus waivers must be approved by the JTS Director. In all instances JTS will strive to maintain course content while not extending training past the scheduled training dates.
3. **Syllabus Review:** JTS conducts syllabus reviews on an annual basis or as directed by the JTS Director. Following syllabus review, the JTS Director approves any syllabus modification.
4. **Syllabus Content.**
  - a. **Updates:** Course managers approve all lesson updates prior to course presentation.
  - b. **Modification:** The JTS Director approves all syllabus modifications and lesson additions prior to course inclusion.
  - c. **Frequency of Review:** JTS reviews syllabus content on an annual basis. JTS executes additional content review when lesson references are updated.

### Section B - Training Management

1. **Course Manager Responsibilities:** The JTS Director designates course managers. The course manager is responsible for monitoring the content of the assigned course. Prior to course start, the course manager approves the course schedule and flow of events.
2. **Instructor Responsibilities.**
  - a. **Lecture:** Instruction will not exceed 50 minutes without a scheduled break. Individual classes may decide to extend instruction past 50 minutes without a break.
  - b. **Practical Exercises:** JTS instructors will facilitate practical exercise discussion and work. In order to enhance the joint environment, JTS Instructors will not provide answers to practical exercises. Students are expected to collaborate and use the information provided to make an informed decision.
3. **Course Standards:** Students must achieve a minimum of 80% on two exams administered. Students are expected to attend all blocks of instruction and actively contribute to practical exercises.
4. **Training Capacity:** JTS course capacity is 30 seats and will not exceed these numbers. During the first day of training if a student fails to arrive at the course JTS will open the seat to the standby list. Student quotas are managed based upon service and combatant command needs.
5. **Training Materials:** The following is a list of materials needed to accomplish the Staff Course outlined by this syllabus.
  - a. Academic lectures
  - b. Practical exercises

- c. Joint Targeting Student Guide
- d. Supplemental articles for discussion
- e. Exam 1
- f. Exam 2

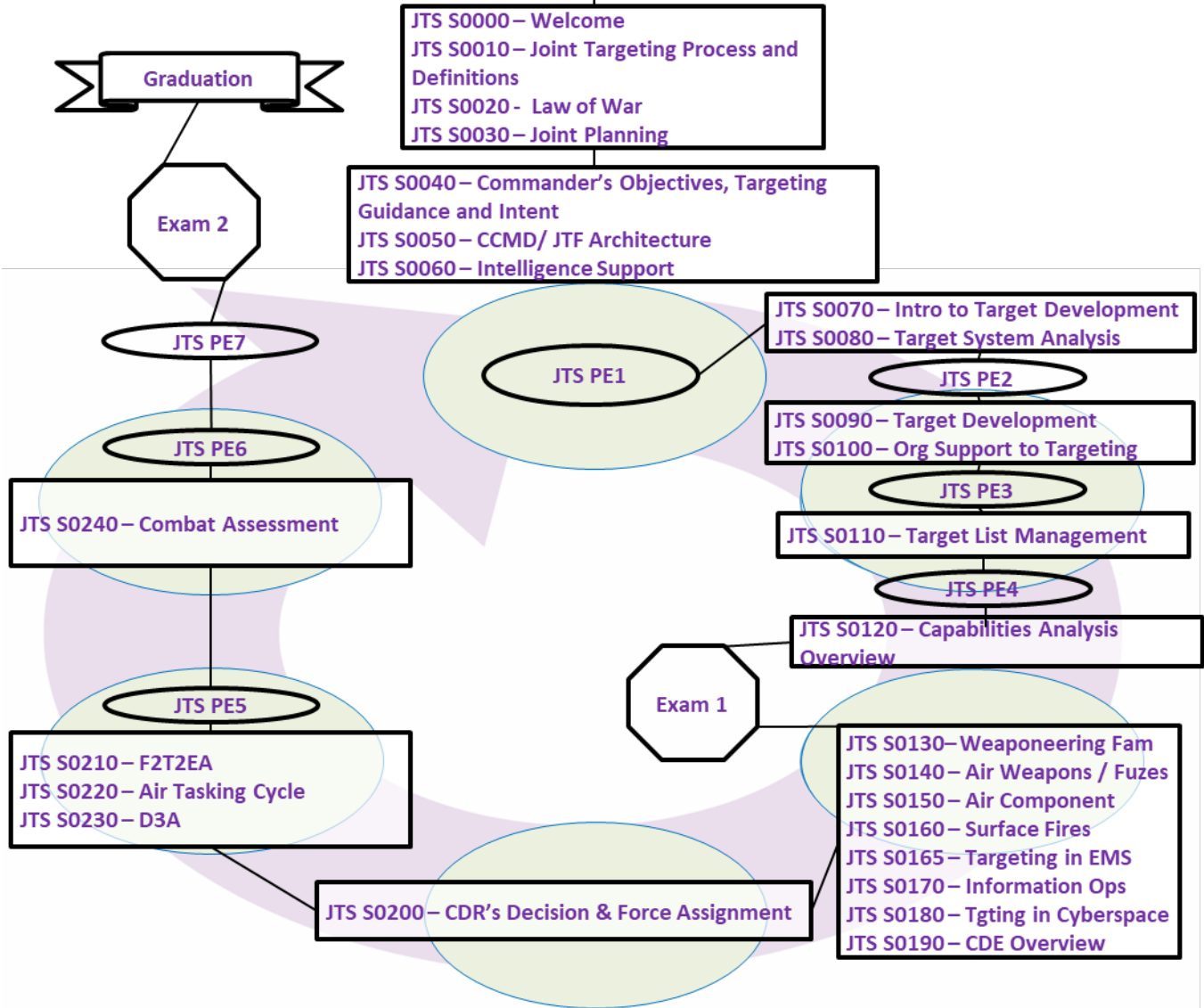
## 6. Unsatisfactory Performance

- a. **Exam Failure:** If a student fails to achieve at least an 80% on an exam, they will be remediated on the exam material and be allowed to re-take the exam. Students will be afforded the opportunity of re-attempting an exam for exam scores below 80%. Failure of a subsequent exam could result in an overall failure of the JTS Staff Course. Student Failures and removal will be determined by the JTS Staff Course Manager.
- b. **Unexcused Absences:** Two (2) unexcused absences will result in removal from the course at the discretion of the course manager and director.
- c. **Security Violation:** All Security violations will be dealt with on an individual basis and may result in removal from the course.
- d. **Dismissal from Course:** In the case of a student's dismissal from the course for not achieving the academic and overall performance standards, the student's current commanding officer will be notified through formal correspondence by the JTS Staff Course Manager. The student will not receive a certificate of completion or Joint Qualification Officer Points.

### Chapter 3

#### Course Flow

DOCNET JP 3-60



## Chapter 4 Lesson Descriptions

<u>Lesson ID</u>	<u>Lesson Name</u>	<u>Duration</u>
<b>JTS S0000</b>	<b>Welcome</b>	<b>1.0</b>
<i>Objectives:</i> Outline course expectations, introduce JTS curriculum and instructors, facilitate student introductions, identify a class leader, identify student responsibilities and conduct.		
<b>JTS S0010</b>	<b>Joint Targeting Processes and Definitions</b>	<b>1.0</b>
<i>Objectives:</i> Students will be able to define specific targeting terminology and summarize the joint targeting process and service component targeting processes.		
<b>JTS S0020</b>	<b>Law of War</b>	<b>1.0</b>
<i>Objectives:</i> Students will be able to describe the legal ramifications of target selection and the difference between legitimate and civilian objects.		
<b>JTS S0030</b>	<b>Joint Planning</b>	<b>1.0</b>
<i>Objectives:</i> Students will be able to summarize the Joint Planning Process (JPP) and describe JPP as it related to the Joint Targeting Cycle.		
<b>JTS S0040</b>	<b>Commander's Objectives, Targeting Guidance and Intent</b>	<b>1.0</b>
<i>Objectives:</i> Students will be able to explain the role and importance of Phase 1 of the Joint Targeting Cycle (Commander's Objectives, Targeting Guidance and Intent).		
<b>JTS S0050</b>	<b>Combatant Command and Joint Task Force (JTF) Architecture</b>	<b>1.0</b>
<i>Objectives:</i> Students will be able to explain the role of major Combatant Command (CCMD) and JTF organizations, to include the Joint Targeting Coordination Board (JTCB), and the processes that support the Joint Force Commander (JFC).		
<b>JTS S0060</b>	<b>Intelligence Support</b>	<b>1.0</b>
<i>Objectives:</i> Students will be able to summarize general intelligence contributions to the Commander's understanding of the operational environment, and describe the intelligence disciplines that can be applied to developing intelligence information.		
<b>JTS S0065</b>	<b>Targeting in the EMS</b>	<b>0.5</b>

*Objectives:* Students will be able to describe basic concepts of the electromagnetic spectrum and its relationship to the joint targeting process.

**JTS S0070      Introduction to Target Development      0.5**

*Objectives:* Students will be able to describe, in general terms, Phase 2 of the Joint Targeting Cycle (Target Development and Prioritization) and the role of the Joint Intelligence Preparation of the Operational Environment (JIPOE).

**JTS S0080      Target System Analysis      1.0**

*Objectives:* Students will be able to define Target System Analysis (TSA) and describe its role in target development.

**JTS S0090      Target Development      1.0**

*Objectives:* Students will be able to describe how target development is conducted at the entity level within Phase 2 of the Joint Targeting Cycle.

**JTS S0100      Organizational Support to Targeting      1.5**

*Objectives:* Students will be able to identify Department of Defense (DoD) and non-DoD level entities that contribute to intelligence related targeting activities.

**JTS S0110      Target List Management      1.0**

*Objectives:* Students will be able to define and describe target development nomination and review, vetting, validation, and prioritizing of targets.

**JTS S0120      Capabilities Analysis Overview**

*Objectives:* Students will be able to explain the concept of capabilities analysis and its use/relationship to joint targeting.

**JTS S0130      Weaponeering Familiarization      1.0**

*Objectives:* Students will be able to define and describe weaponeering and the principles that support the weaponeering process.

**JTS S0140      Air-to-Surface Weapons and Fuzes      1.0**

*Objectives:* Students will be able to identify proper warhead, weapon, and fuze terminology. Students will have a basic understanding of the various air-to-surface weapons available for targeting.

**JTS S0150      Air Component Fires Assets      1.0**

*Objectives:* Students will be able to identify current mission sets, capabilities, and limitations of the air component assets available to an operational-level planner.



<b>JTS S0160</b>	<b>Surface-to-Surface Fires</b>	<b>1.0</b>
<i>Objectives:</i> Students will be able to describe basic concepts of the electromagnetic spectrum and its relationship to the joint targeting process.		
<b>JTS S0165</b>	<b>Targeting in the Electromagnet Spectrum</b>	<b>0.5</b>
<i>Objectives:</i> Students will be able to describe basic concepts of the electromagnetic spectrum and its relationship to the joint targeting process.		
<b>JTS S0170</b>	<b>Information Operations Support to Targeting</b>	<b>1.0</b>
<i>Objectives:</i> Students will be able to explain the concepts, organizations and applications of information operations and their relationship to joint targeting.		
<b>JTS S0180</b>	<b>Targeting in Cyberspace</b>	<b>1.0</b>
<i>Objectives:</i> Students will be able to explain the concepts, organizations, and applications of cyberspace operations and their relationship to joint targeting.		
<b>JTS S0190</b>	<b>Collateral Damage Estimation (CDE) Overview</b>	<b>1.5</b>
<i>Objectives:</i> Students will be able to describe basic process of the application of the Collateral Damage Methodology (CDM) in supporting military operations.		
<b>JTS S0200</b>	<b>Commander’s Decision and Force Assignment</b>	<b>1.0</b>
<i>Objectives:</i> Students will be able to explain Phase 4 of the Joint Targeting Cycle (Commander’s Decision and Force Assignment), to include the process and production items of the Joint Targeting Coordination Board (JTCCB).		
<b>JTS S0210</b>	<b>Find, Fix, Track, Target, Engage, Assess (F2T2EA)</b>	<b>1.0</b>
<i>Objectives:</i> Students will be able to explain the application of the F2T2EA targeting process within the Joint Targeting Cycle and how it is used to engage dynamic and time sensitive targets.		
<b>JTS S0220</b>	<b>Air Tasking Cycle</b>	<b>1.0</b>
<i>Objectives:</i> Students will be able to explain the role of the Air Tasking Cycle (ATC) in mission planning and force execution.		
<b>JTS S0230</b>	<b>Land and Maritime Component Targeting Process – D3A</b>	<b>1.0</b>
<i>Objectives:</i> Students will be able to explain the Decide, Detect, Deliver, and Assess (D3A) targeting methodology and how it assists tactical level commanders in operations order production and mission execution.		
<b>JTS S0240</b>	<b>Combat Assessment</b>	<b>1.0</b>

*Objectives:* Students will be able to understand the concept and scope of Combat Assessment (Phase 6 of the Joint Targeting Cycle) and identify its purpose in the Joint Targeting Cycle.

## Chapter 5 Practical Exercise Descriptions

<u>Exercise ID</u>	<u>Exercise Name</u>	<u>Duration</u>
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<b>JTS PE01</b>	<b>End State and Commander’s Objectives</b>	<b>7.5</b>
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*Objectives:* Develop targeting objectives and effects that meet the Combined Force Commander (CFC) operational objectives and targeting guidance.

<b>JTS PE02</b>	<b>Target System Analysis (TSA) and Target Development Nomination (TDN)</b>	<b>4.0</b>
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*Objectives:* Conduct Target System Analysis to create Target Development Nominations.

<b>JTS PE03</b>	<b>Target Development</b>	<b>3.5</b>
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*Objectives:* Develop a facility to the basic and intermediate stages of target development.

<b>JTS P0E4</b>	<b>Target List Management</b>	<b>3.5</b>
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*Objectives:* Conduct target selection, prioritization, and nomination.

<b>JTS PE05</b>	<b>Mission Planning and Force Execution – Master Air Attack Plan (MAAP)</b>	<b>5.0</b>
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*Objectives:* Develop a Master Air Attack Plan (MAAP) and brief the results

<b>JTS PE06</b>	<b>BDA Reporting</b>	<b>3.0</b>
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*Objectives:* Accurately report BDA for each BDA phase that will assist commanders as they assess campaign objective achievement

<b>JTS PE07</b>	<b>End of Course Practical Exercise</b>	<b>9.5</b>
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*Objectives:* Produce a Joint Targeting Coordination Board (JTCCB) brief to include the doctrinal recommendations for the Joint Force Commander’s approval.

## Chapter 6 Student Evaluations

<u>Event ID</u>	<u>Name</u>	<u>Duration</u>
JTS Exam1S	Examination 1	1.0

*Objectives:* Students will demonstrate understanding of concepts and doctrinal information pertaining to Phases 1 and 2 of the Joint Targeting Cycle.

JTS Exam2S	Examination 2	1.0
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*Objectives:* Students will demonstrate understanding of concepts and doctrinal information pertaining to Phases 3 through 6 of the Joint Targeting Cycle.

## Chapter 7 Course References

1. Joint Publications
  - a. Access: <https://jdeis.js.mil/jdeis/index.jsp?pindex=2>
  - b. Reference
    - JP 1, Doctrine for the Armed Forces of the United States
    - JP 2-0 Joint Intelligence
    - JP 2-01, Joint and National Intelligence Support to Military Operations
    - JP 2-01.2, Counterintelligence and Human Intelligence in Joint Operations (**Note 1**)
    - JP 2-01.3, Joint Intelligence Preparation on the Operational Environment
    - JP 2-03, Geospatial Intelligence in Joint Operations
    - JP 3-0, Joint Operations
    - JP 3-01, Countering Air and Missile Threats
    - JP 3-03, Joint Interdiction
    - JP 3-05, Special Operations
    - JP 3-09, Joint Fire Support
    - JP 3-09.3, Close Air Support
    - JP 3-12, Cyberspace Operations (**Note 1**)
    - JP 3-13, Information Operations
    - JP 3-13.1, Electronic Warfare
    - JP 3-17 Air Mobility Operations
    - JP 3-24, Counterinsurgency
    - JP 3-30, Joint Air Operations
    - JP 3-31, Joint Land Operations
    - JP 3-32, Joint Maritime Operations
    - JP 3-33, Joint Task Force Headquarters
    - JP 3-60, Joint Targeting

JP 5-0, Joint Operation Planning

JP 6-01, Joint Electromagnetic Spectrum Management

**Note 1:** These publications are SIPRNET only.

2. Chairman of the Joint Chiefs of Staff Directives

a. Access: [https://ca.dtic.mil/cjcs\\_directives/index.htm](https://ca.dtic.mil/cjcs_directives/index.htm)

b. Reference

CJCSI 3160.01, No-Strike and Collateral Damage Estimation Methodology

CJCSM 3162.02, Methodology for Combat Assessment

CJCSI 3370.01, Target Development standards (Unclassified, SIPRNET Access only)

3. Multi-Service Tactics Techniques and Procedures (ALSA)

a. Access: <http://www.alsa.mil/index.html>

b. Reference

MTTP Dynamic Targeting (ALSA)

4. Service and Agency Publications

a. Reference

FM 3-60, The Targeting Process

MCWP 3-16, Fire Support Coordination in the GCE

DIAP 5210.002-M (Unclassified, SIPRNET Access only)

DIAI 3000.002 US/Allied Target Analysis Program (Classified)

DIA-13-1308-855 Critical elements Handbook (Classified)

DIAP management Guidance (Classified)

DI-2820-2-03 BDA Reference Handbook (Classified)

5. Others

a. Reference

JMEM/AS Weaponering Guide

JMEM Weaponering Software