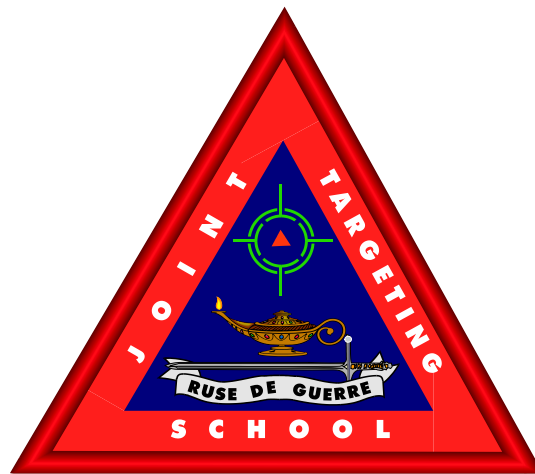


Combat Assessment Course Syllabus

2021



Joint Targeting School

Joint Staff, J7

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

**Joint Training Course
Joint Combat Assessment Course**

2021

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.

Loreta J. Ferguson
DOD Civilian
JTS Deputy Director

Chapter 1 Course Description

1. **Title:** Combat Assessment (CA) Course
2. **C Joint Qualified Officer (JQO) Certification Date:** 31 January 2020
Course earns 1.0 Joint Qualified Officer (JQO) point.
3. **Joint Qualified Officer (JQO) Certification Expiration Date:** 30 January 2023
4. **Course Identifiers**
 - a. **Joint “S” Code:** S357
 - b. **USA CIN:** 303JTS003
 - c. **USAF CIN:** X50ZN14N3—OB6A
 - d. **USMC CIN:** N46HFQ3
 - e. **USN CIN:** S-3A0004
 - f. **FMS MASL:** P122024
5. **Objective:** Provide procedures and techniques for the Combat Assessment methodology as outlined in CJCSM 3162.02.
6. **Location:** 2088 Regulus Avenue, Virginia Beach, VA 23461-2099
7. **Duration:** 5 Training Days.
8. **Entry Prerequisites:** Minimum of a SECRET Security clearance.
9. **Status Upon Graduation:** Graduates are awarded 1.0 Joint Qualification Officer Points and will receive certificate of completion.
10. **Academic Training**

	<i>hours</i>
a. JTS Instruction (lecture)	13.0
b. JTS facilitated practical exercises	8.5
c. Student-led briefings	6.0
d. Out-of-class reading	3.0
e. Academic evaluation	1.0
 Total Approximate Course Hours	 31.5

Chapter 2

Course Administration

Section A - Syllabus Management

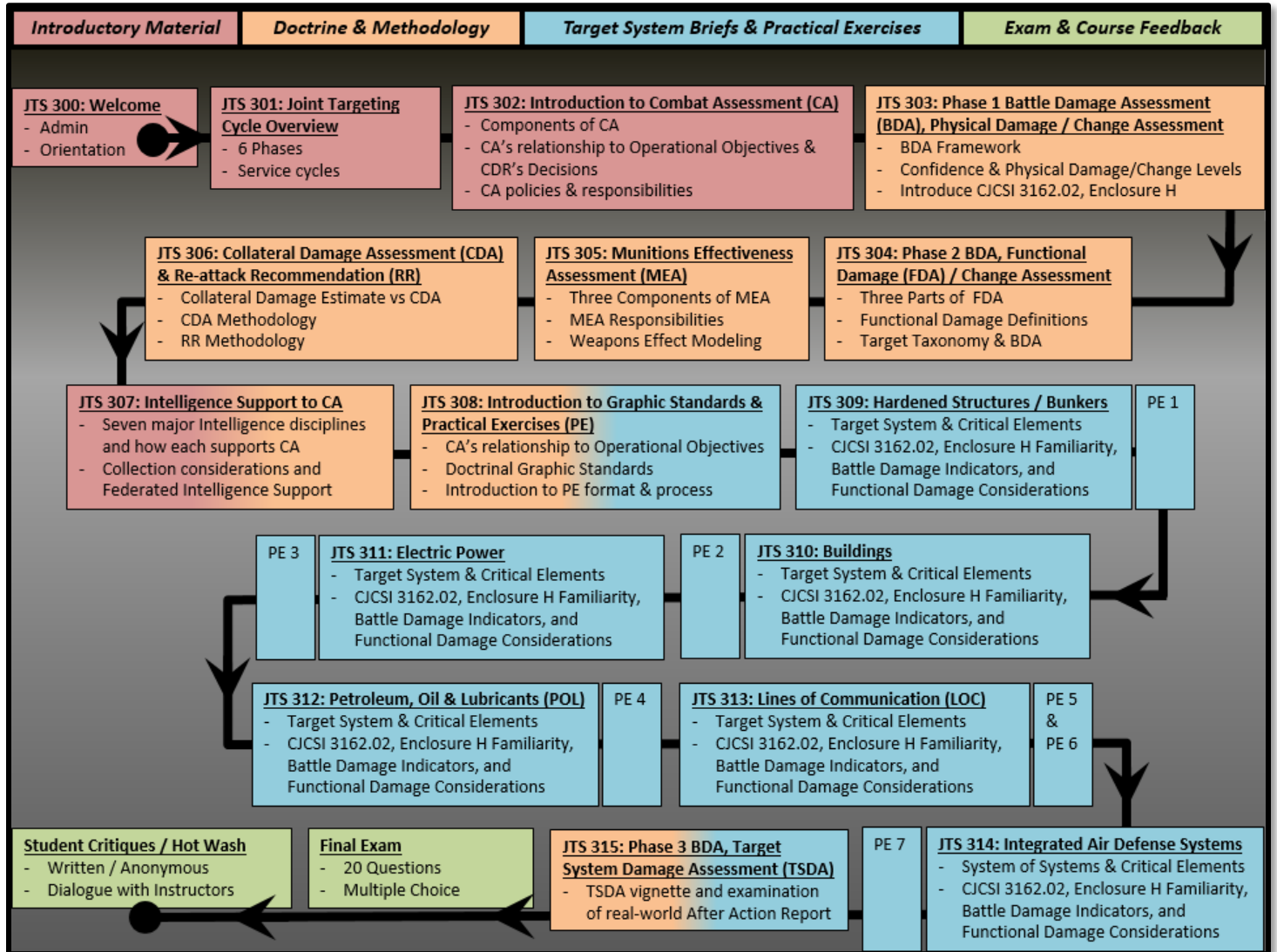
1. **Syllabus Interpretation:** This syllabus is directive and must be followed as written. When available JTS will make available guest lecturers to augment course material.
2. **Syllabus Waiver:** All syllabus waivers must be approved by the JTS Director. In all instances JTS will strive to maintain 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 60 minutes without a scheduled break. Individual classes may decide to extend instruction past 60 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 until student debriefs 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 the administered exam. 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. If a student fails to arrive at the course on the first day of in-residence training 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 BDA course outlined by this syllabus.
 - a. Academic lectures
 - b. Practical exercises
 - c. BDA worksheet and accompanying graphic
 - d. CJCSI 3370.01 Target Development Standards
 - e. CJCSM 3162.01 Joint Methodology for Battle Damage Assessment
 - f. DIA Critical Elements Handbook
 - g. Exam
6. **Unsatisfactory Performance**

- a. **Exam Failure:** If a student fails to achieve at least an 80% on an exam, the student will be remediated on the exam material and be allowed to re-take the exam. Students are given one re-attempt for exam scores below 80%. Failure of a subsequent exam will result in failure of the course.
- b. **Unexcused Absences:** Two 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/or overall performance standards, student will not receive a certificate of completion or Joint Qualification Officer Points. The student's current commanding officer will be notified through formal correspondence.

Chapter 3 Course Flow



Chapter 4

Lesson Descriptions

<u>Lesson ID</u>	<u>Lesson Name</u>	<u>Duration</u>
JTS 300	Welcome	1.0
	<i>Objectives:</i> Introduce JTS instructors and outline JTS mission. Address administrative concerns and requirements. Outline curriculum and course expectations. Facilitate student introductions.	
JTS 301	Joint Targeting Cycle Overview	1.0
	<i>Objectives:</i> Introduce the six phases of the Joint Targeting Cycle (JTC), introduce and define some targeting-specific terminology, summarize the joint targeting process and compare it with service component targeting processes.	
JTS 302	Introduction to Combat Assessment	1.0
	<i>Objectives:</i> Introduce the four components of Combat Assessment (CA), identify its purpose in the JTC – emphasizing its relationship to the Commander’s decisions and Operational Objectives – and summarizing CA policies and responsibilities.	
JTS 303	Phase 1 Battle Damage Assessment (BDA): Physical Damage / Change Assessments	1.0
	<i>Objectives:</i> Introduce the BDA Framework, explain Physical Damage / Change Assessment levels, their associated Confidence Levels, and introduce Enclosure H of the CJCSI 3162.02.	
JTS 304	Phase 2 BDA: Functional Damage / Change Assessments	0.5
	<i>Objectives:</i> Describe the three parts of a Functional Damage Assessment (FDA) and their definitions, and discuss the relationship between Target Taxonomy & the Phases of BDA.	
JTS 305	Munitions Effectiveness Assessment (MEA)	1.0
	<i>Objectives:</i> Describe the three components of MEA, discuss the joint staff elements responsible for MEA and Weapons Effect Modeling.	
JTS 306	Collateral Damage Assessment (CDA) & Re-attack Recommendation (RR)	1.0
	<i>Objectives:</i> Summarize Collateral Damage Estimates, compare that with CDA methodology, discuss the relationship between the two, and describe the RR methodology.	
JTS 307	Intelligence Support to CA	1.0

Objectives: Introduce and describe the seven major Intelligence disciplines and how each can support CA, and discuss considerations related to Intelligence Collection and Federated Intelligence Support as it relates to CA.

JTS 308 Introduction to Graphic Standards & Practical Exercises (PE) 1.0

Objectives: Re-emphasize CA's relationship to Operational Objectives and how baseline Phase 1 & 2 BDA reports build the foundation for higher-level CA, introduce and describe the doctrinal standards for Combat Assessment Graphics, and describe the format and expectations of the PEs.

JTS 309 Hardened Structures / Bunkers 1.0

Objectives: Summarize the process of assessing battle damage to hardened structures and bunkers, and emphasize familiarity with Enclosure H of the CJCSI 3162.02, specific Battle Damage Indicators (BDI), and any particular FDA considerations.

JTS 310 Buildings 1.0

Objectives: Summarize the process of assessing battle damage to buildings, and emphasize familiarity with Enclosure H of the CJCSI 3162.02, specific BDIs, and any particular FDA considerations.

JTS 311 Electric Power (PWR) 1.0

Objectives: Summarize the process of assessing battle damage to Electric Power systems, and emphasize familiarity with Enclosure H of the CJCSI 3162.02, specific BDIs and any particular FDA considerations.

JTS 312 Petroleum, Oil, and Lubricants (POL) 1.0

Objectives: Summarize the process of assessing battle damage to POL systems, and emphasize familiarity with Enclosure H of the CJCSI 3162.02, specific BDIs and any particular FDA considerations.

JTS 313 Lines of Communications (LOC) 1.0

Objectives: Summarize the fundamentals of assessing battle damage to the four major LOC system components (highways, airlift, railways, and inland waterways), and emphasize familiarity with Enclosure H of the CJCSI 3162.02, specific BDIs and any particular FDA considerations.

JTS 314 Integrated Air Defense Systems 1.0

Objectives: Summarize the process of assessing battle damage to an Integrated Air Defense System (IADS), to include targets associated with Air Defense Forces (ADF) and Air Forces and Air Fields (AFA), and emphasize familiarity with Enclosure H of the CJCSI 3162.02, specific components and their BDIs, and any particular FDA considerations.

JTS 315 Phase 3 BDA: Target System Damage Assessment (TSDA) 3.5

Objectives: Instructor-guided discussion and vignette on the challenges and considerations associated with conducting TSDA, using real-world operational After Action Report as the foundational document.

<u>Exercise ID</u>	<u>Exercise Name</u>	<u>Duration</u>
PE 1	Hardened Structure	2.0
<i>Objectives:</i> Conduct Phase 1 and Phase 2 BDA on a Hardened Structure target engagement. Produce and brief a combined CA graphic, including PDA, FDA, and any additional assessments, e.g. MEA, CDA, Additional Damage (AD), required by the scenario.		
PE 2	Buildings	2.0
<i>Objectives:</i> Conduct Phase 1 and Phase 2 BDA on a Building target engagement. Produce and brief a combined CA graphic, including PDA, FDA, and any additional assessments, e.g. MEA, CDA, AD, required by the scenario.		
PE 3	Electric Power	2.0
<i>Objectives:</i> Conduct Phase 1 and Phase 2 BDA on an Electric Power Station target engagement. Produce and brief combined a CA graphic, including PDA, FDA, and any additional assessments, e.g. MEA, CDA, AD, required by the scenario.		
PE 4	POL	2.0
<i>Objectives:</i> Conduct Phase 1 and Phase 2 BDA on a POL facility target engagement. Produce and brief a combined CA graphic, including PDA, FDA, and any additional assessments, e.g. MEA, CDA, AD, required by the scenario.		
PE 5 & 6	LOC	2.0
<i>Objectives:</i> Conduct Phase 1 and Phase 2 BDA on an LOC system component (either a bridge, or an airfield) target engagement. Produce and brief a combined CA graphic, including PDA, FDA, and any additional assessments, e.g. MEA, CDA, AD, required by the scenario.		
PE 7	IADS (Air Defense Forces/Air Forces and Airfields)	2.0
<i>Objectives:</i> Conduct Phase 1 and Phase 2 BDA on an Early Warning Radar deployment site target engagement. Produce and brief combined CA graphic, including PDA, FDA, and any additional assessments, e.g. MEA, CDA, AD, required by the scenario.		

Chapter 6
Student Evaluations

<u>Event ID</u>	<u>Name</u>	<u>Duration</u>
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Objectives: Students will demonstrate the ability to apply the CJCSI 3162.02 methodology to conduct BDA (assess physical and functional damage on various target elements, targets, and target systems), and an understanding of the processes and responsibilities associated with the other three components of CA: CDA, MEA and RR.

Chapter 7

Course References

1. Joint Publications

- a. Access: <https://jdeis.js.mil/jdeis/index.jsp?pindex=2>
- b. Reference
 - JP 2-01, Joint and National Intelligence Support to Military Operations
 - JP 2-01.3, Joint Intelligence Preparation of the Operational Environment
 - JP 2-03, Geospatial Intelligence Support to Joint Operations
 - JP 3-60, Joint Targeting
 - JP 5-0, Joint Operational Planning

2. Chairman of the Joint Chiefs of Staff Directives

- a. Access: https://ca.dtic.mil/cjcs_directives/index.htm
- b. Reference
 - CJCSI 3162.02, Joint Methodology for Combat Assessment
 - CJCSI 3370.01, Target Development standards

3. Service and Agency Publications

- a. Reference
 - DIA-13-1308-855 Critical elements Handbook
 - DI-2820-2-03 BDA Reference Handbook