

UO Cannon Artillery Course Overview

Introduction to Field Artillery

1. Purpose of Field Artillery (FA)
 - a. The mission of the field artillery (FA) is to destroy, neutralize, or suppress the enemy by cannon, rocket, and missile fires and to help integrate all fire support assets into combined arms operations.
 - b. The field artillery cannon battery is the basic firing element of the cannon battalion regardless of how the battery is organized. The battery's capability is enhanced through the flexibility and survivability provided under an organization based on platoons. In no way should the references to platoon- or battery-based organizations be construed as the structure for operational employment. Rather, the terms pertain solely to organizational structure.
 - c. Battery structure within the games context.
2. Principals of Indirect Fire
 - a. Over-arching concept
 - b. Direction (azimuth/deflection)
 - c. Elevation (quadrant)
 - d. Muzzle Velocity (charges)

Introduction to the M119

1. Caliber 105mm
2. Light, air deployable
3. Traverse (+/- 100mils)
4. Elevation (-100 to 1244 mils)

Introduction to Ammunition

1. HE (M1)
2. DPICM (M916)
3. Smoke (M84A1)
4. Illum (M314A3)

Fuzes

1. PD (Superquick, Quick, Graze)
2. Time
3. Prox (VT)
4. Delay

Fire Commands

1. Warning Order (FIRE MISSION)

2. Pieces to follow, Pieces to Fire, Method of Fire (PLATOON ADJUST, NUMBER 3, 1 ROUND)
3. Special Instructions (DO NOT LOAD, AT MY COMMAND, AZIMUTH, HIGH ANGLE)
4. Projectile (HE, DPICM, ETC)
5. Charge (CHARGE 3)
6. Fuze (TIME)
7. Fuze Settings (TIME 15.6)
8. Deflection (3110, TREE ONE ONE ZERO)
9. Quadrant Elevation (437, FOUR TREE SEVEN)
10. Method of Fire For Effect (2 ROUNDS, FUZE VT IN EFFECT)

Prepping Rounds

1. Charge Setting
2. Fuze Setting

Loading Cannon

1. Picking up/Placing Rounds
2. Loading Gun

Laying Gun for Deflection

1. Adjusting Sight
2. Traversing Gun
3. Splitting the Stakes (Compensated Sight Picture)
4. Out of Traverse Deflection

Laying Gun for Elevation

1. Adjusting Sight
2. Adjusting Gun

Firing

ADVANCED

Initial Laying of Cannon Battery

1. Location
2. Azimuth of Fire

Placing Aiming Stakes

1. Retrieving Aiming Stakes
2. Placing Aiming Stakes
3. Adjusting Aiming Stakes (raise/lower, remove)

BATTERY COMPUTER SYSTEM

This topic covers the battery computer system in detail as it stands as of Friday, February 4th, 2011. It will be covered by Nou and at this point does not have an outline beyond stepping through the screens with participants.