



Cyber Operations Planning Course Syllabus (CyOPC)

This 40-hour, five (5) day course prepares multi-disciplined leaders to plan and execute cyber operations across a range of titles, authorities, and missions. CyOPC students are exposed to cyber operations guidance for their specific organization, the joint targeting cycle applied to cyber operations, and the concept of objective-based planning to effectively employ the most applicable capabilities given the commander's intent.

Through hands-on exercises and team collaboration, CyOPC students will also learn how to interact with and leverage the range of cyber and intelligence skillsets available to their mission planning and operational execution.

Contact Information

Contact: 443-620-TEAM (8326) Option #2 or training@teamworxsecurity.com

Course Description and Course Goals

- Knowledge of cyber titles and authorities applicable to the student's organization and their effect on cyber planning
- Knowledge of organizational hierarchy and cyber decision-making processes
- Understanding the Commanders' Intent and how to translate that intent into objective-based planning
- Mapping joint fires capabilities against validated targets to create the desired effects
- High-level understanding of the joint targeting cycle and its application to cyber operations
- Deconfliction and coordination processes, collaboration with Cyberspace Operations Integrated Planning Elements (CO-IPEs)
- Introductory understanding of cyber tools, methods, capabilities, threat landscapes, and key terrain

Module 1

- Exposure to references used during course production
- Understand titles and authorities and the Law of War principles
- Understand and review of Joint Planning Functions with hands on activity
- Understand the Principles of Planning
- Review of Types of Plans and Orders
- Understand the Risk Mitigation Cycle
- Understand the Defense in Depth Model

Module 2

- Understand Operations and Planning Processes
- Introduction to and understanding of the Military Decision Making Cycle

Module 3

- Understand Cyberspace Considerations and Engagement Categories
- Review and application of Operational Variables and Civil Considerations (PMESII/ASCOPE)
- Understand Key Requirements for Planning and Operations Processes
- Understand and apply knowledge of Center of Gravity analysis
- Review and Understand Network Fundamentals
- Understand the OSI model

Module 4

- Understand Cyberspace Operations during planning and execution phases
- Understand and apply Effects Based Planning
- Understand and apply Scheme of Maneuver
- Understand and apply Mission Analysis using Facts, Assumptions, RFIs, Tasks, Constraints, and available assets.

Module 5

- Show positive knowledge transference through capstone exercise

Students will Need

A computer with internet access. Students are welcome to bring any other note taking materials they wish. (some handouts will be provided)

Grading

This course is based on participation within daily discussions and group activities. Students **MUST** be present to do so.

Course Schedule

Course schedules can vary based on customer needs.

Five (5) Day Course Schedule Expectations:

- Daily start time will be 0900 (9 a.m.)
- Daily end time will be between 1600 (4 p.m.) and 1730 (5:30 p.m.)
- Daily lunch break time will be between 1130 to 1300 (1:00 p.m.)
- Daily schedule may flex based on how quickly students are understanding concepts and questions.