

1-2 Information Operations

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Homework: Assignments are required to be completed prior to the convening of the first class of the day. The exam will be administered in the afternoon as delineated in the class schedule. The exam covers the assigned homework, required reading and Computer Based Training assignments for that day, and may draw from all previous instruction.

Course Grade Weighting:

<p>IO Exam</p> <p>You will be expected to demonstrate mastery at the application, analysis, and synthesis levels of learning. Application involves applying knowledge to actual situations. Analysis requires you to recognize how different objects or ideas are interrelated by breaking them down to simpler parts. Synthesis involves arranging these simpler parts of ideas into a new whole that was not obvious before. These higher levels of cognitive learning require in-depth knowledge, and therefore, a different kind of preparation for exams, one that goes beyond simply memorizing course material.</p>	90%
<p>IO Quiz</p> <p>Quizzes will be administered at a time TBD and will account for 10% of the IO module score.</p>	10%

Master IO Reference Library: R:\Maritime Warfare References
IO References: L:\N73 Lessons\ILT\Warfare Fundamentals\IO\IO References

1-2-1 Information Operations Concepts

Topic	Time Req.
1-2-1-1 Intro to IO and IWC Organization/Roles/Responsibilities (Instructor Led)	
Homework/Read Ahead Assignments:	
CBT Lesson(s):	
Module 1 Lesson 3 Topic 1 and 2	1 hr
Required Reading:	
NTTP 3-13.2 Navy IO Warfare Commander's Manual (Chapter 3)	1.0 hr
1-2-1-2 External Communication Architecture Refresh (Instructor Led)	
Homework/Read Ahead Assignments:	
CBT Lesson(s): N/A	
Required Reading:	
ACP-125(F) Allied Communications Procedures - Radiotelephone Procedures (Chapters 1 through 3, Chapter 6, Chapter 8)	1.5hr
Suggested Reading:	
ATP 1(D) Volume I Allied Maritime Tactical Instructions and Procedures (Chapter 4)	
NTTP 6-02.8 Internet Tactical Chat in Support of Operations (Chapters 1 and 3)	
APP 1(B) Allied Maritime Voice Reporting Procedures (Chapter 1 Section IV)	
NTP 4(E) Naval Communications (Chapters 5, 7 and 8)	
1-2-1-3 Intelligence and Cryptology (Instructor Led)	
Homework/Read Ahead Assignments:	
CBT Lesson(s):	
Module 1: Lesson 2 and 6 (all topics)	1hr
Required Reading:	

	Navy wide OPTASK INTELLIGENCE dtg 071705Z OCT 09	30min
	Navy wide OPTASK CRYPTOLOGY dtg 101721Z JUL 09	30min
	TM 3-13.3-05 Comms EW for Surface Units (Ch1, 4, App A)	30min
	NTTP 3-13.14 Surface EW Guide (Chapter 3.12)	15min
1-2-1-4 Operations Security (OPSEC) (Instructor Led)		
Homework/Read Ahead Assignments:		
CBT Lesson(s):		
	Module 1:Lesson 3: Topic 4	30min
Required Reading:		
	Navy wide OPTASK IO dtg 151731Z May 06	30min
	NTTP 3-13.2 Navy Information Operation Warfare Commanders Manual (Chapter 4.9.2)	30min
	NTTP 3-54M Operations Security (OPSEC) (Chapter 2)	30min
1-2-1-5 Computer Network Operations (CNO) (Instructor Led)		
Homework/Read Ahead Assignments:		
CBT Lesson(s):		
	Module 1:Lesson 3: Topic 7	30min
Required Reading:		
	Navy wide OPTASK IO dtg 151731Z May 06	30min
	NTTP 3-13.2 Navy Information Operation Warfare Commanders Manual (Chapter 4.9.5)	15min
	NWP 3-63 Vol 1 Computer Network Operations (Chapters 3 and 4)	1hr
1-2-1-6 Military Information Support Operations(MISO)/Psychological Operations (PSYOP) (Instructor Led)		
Homework/Read Ahead Assignments:		
CBT Lesson(s):		
	Module 1:Lesson 3: Topic 5	30min
Required Reading:		
	Navy wide OPTASK IO dtg 151731Z May 06	30min
	NTTP 3-13.2 Navy Information Operation Warfare Commanders Manual (Chapter 4.9.3)	15min
	NWP 3-53 Navy Psychological Operations (Chapters 2 and 3)	45min
1-2-1-7 Military Deception (MILDEC) (Instructor Led)		
Homework/Read Ahead Assignments:		
CBT Lesson(s):		
	Module 1:Lesson 3: Topic 6	30min
Required Reading:		
	Navy wide OPTASK IO dtg 151731Z May 06	15min
	NTTP 3-13.2 Navy Information Operation Warfare Commanders Manual (Chapter 4.9.1)	15min
	NTTP 3-58.2 Navy Military Deception (Chapter 2, Chapter 3)	1 hr
1-2-1-8 Electronic Warfare (EW) (Instructor Led)		
Homework/Read Ahead Assignments:		
CBT Lesson(s):		
	Module 1:Lesson 3: Topic 3	30min
Required Reading:		
	Navy wide OPTASK EW	30min
	NTTP 3-51-1 Navy EW (Chapter 2, Chapter 3 up to page 3-25)	1hr
	Browse NTTP 3-13.14 Surface EW Guide (Chapter 2, Appendix A and Appendix B). Do not attempt to memorize the operator actions. Skip those paragraphs.	1hr
	TM 3-01.1-07 Single Ship Integrated Hardkill and Softkill in Antiship Missile Defense (Chapters 1 & 3)	1hr
	TM 3-51.1-05 Nulka Tactical Employment Guide (Chapter 3 and Chapter 4)	30min
Suggested Reading:		

	NTTP 3-51-1 Navy EW (Appendix C)	
	TM 3-51.1-07 Nulka in vicinity of High Value Units (Chapter 1 and Chapter 2)	
	TM 3-13.1-09 ASMD Tactics against Anti Radiation Homing Missiles (Chapter 2 and Chapter 3)	
	1-2-1-9 Tactical Data Link (TDL) Design (Instructor Led)	4hr
	Homework/Read Ahead Assignments:	
	CBT Lesson(s):	
	Module 1: Lesson 4: Topic 1, 2, 3, 4	1 hr
	Required Reading:	
	Understanding LINK11 Guidebook (Chapter 1, Chapter 2 Section D, Chapter 6)	30min
	Understanding LINK16 Guidebook (Chapter 1, Sections A, C, and D)	30min
	Suggested Reading:	
	http://cni.phdncswc.navy.smil.mil/common3/linkDescriptions/toc.xml	
	CJCSM 6120.01D Joint Multi Tactical Data Link (TDL) Operating Procedures (JMTOP) (Chapters 2 & 5)	
	1-2-1-10 Common Tactical Picture-Common Maritime Picture (CTP-CMP) (Instructor Led)	
	Homework/Read Ahead Assignments:	
	CBT Lesson(s):	
	Module 1: Lesson 5: Topic 1 through 4 (Skip the sections referring to C2PC) *Note: The new Navy-Wide OPTASK CMP has changed many of the callsigns and roles. However, the system information and concepts remain relevant.	1 hr
	Required Reading:	
	Navy wide OPTASK CMP 031248Z Oct 12	30min
	Suggested Reading:	
	http://cni.phdncswc.navy.smil.mil/ForceData/tdl_Aspect_Generators/cop_tocmain.htm	
	1-2-1-11 Tactical Meteorology (Instructor Led)	
	Homework/Read Ahead Assignments:	
	CBT Lesson(s): N/A	
	Required Reading:	
	NTRP 3-59.5 Tactical METOC Considerations for ASW Aircraft (Chapters 7, 8, and Appendix A)	1 hr
	Suggested Reading:	
	Navy wide OPTASK METOC 161238Z JUN 11	
	1-2-1-12 Intelligence, Surveillance, Reconnaissance & Targeting (ISR&T) (Instructor Led)	
	Homework/Read Ahead Assignments:	
	CBT Lesson(s):	
	Module 1: Lesson 3: Topic 1	30min
	Required Reading:	
	Operation Neptune Scissors Executive Summary (2010 & 2011)	30min
	NIOC TM 3-13.2-06 Counter ISRT in the Littoral (Chapters 3, and 4)	30min
	TM 3-15.1-13 Fleet Emission Control	1hr
	Suggested Reading:	
	NIOC TM 3-13.2-06 Counter ISRT in the Littoral (Chapters 5 and 6)	
	1-2-1-13 Afloat Spectrum Management (Instructor Led)	1hr
	Homework/Read Ahead Assignments:	
	CBT Lesson(s): N/A	
	Required Reading:	
	NTTP 3-13.14 Surface EW Guide (Chapter 3.5)	30min
	NTTP 3-51-1 Navy EW (Chapter 3.4.4 and 3.4.5)	15min
	Suggested Reading:	
	NTTP 3-13.2 Navy Information Operation Warfare Commanders Manual (Chapter 5)	

