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The Ultimate Advantage is an Educated Mind

School of Security and Global Studies
INTL 502 - COLLECTION
Credit Hours: 3
8 Weeks
Prerequisite(s): INTL 500

Instructor Information

Instructor: APUS Faculty

Course Description

Course Number and Name (3 credit hours)

This course is a study of intelligence collection and information gathering. It focuses on a variety of aspects about how the United States and foreign nations gather and process intelligence. The student will develop a comprehensive understanding of the role collection plays in the intelligence community, how various policies affect collection, and how different intelligence agencies monitor and collect intelligence.

Course Scope

As part of the core requirement, this course introduces the student to critical elements of the discipline. Students will participate in weekly Discussion Forums that correlate to weekly readings. Students will write an Open Source Intelligence (OSINT) Collection Research Project and a Literature Review.

Course Objectives

After successfully completing this course, you will be able to:

CO-1: Analyze U.S. collection since the end of the Cold War.

CO-2: Evaluate the lessons the history of intelligence collection, processing, and analysis, and apply the lessons to specific issues.

CO-3: Assess and debate intelligence collection successes and failures.

CO-4: Examine intelligence collection technology advances and determine modes of intelligence collection for the 21st century.

CO-5: Describe and evaluate the current missions for intelligence gathering; assess how the various INTs are used in intelligence collection and analysis.

Course Delivery Method

This course, delivered via distance learning, will enable students to complete academic work in a flexible manner, completely online. Course materials and access to an online learning management system will be made available to each student. Online assignments are due by Sunday at 11:55 pm ET and include Forum questions (accomplished in groups in a Forum), OSINT Collection Research project, and Literature Review submitted for grading by the faculty. The assigned faculty will support the students throughout this eight-week course.

Course Materials

Grabo, Cynthia (2004). *Anticipating Surprise: Analysis for Strategic Warning*. University Press of America. (Paperback).

Note: This text is available online for download at http://www.ni-u.edu/ni_press/pdf/anticipating_Surprise_Analysis.pdf

O'Hern, Steven K. (2008). *The Intelligence Wars: Lessons from Baghdad*, Prometheus Books. (<http://intelligencewars.com/>)

It is required that you subscribe to Nightwatch, produced by AFCEA & KGS. To subscribe to Nightwatch, visit <http://kforcegov.com/Services/IS/NightWatch.aspx>

Supplemental Readings and Web sites:

JCS. Joint Electronic Library: http://www.dtic.mil/doctrine/s_index.html

CIA. Center for the Study of Intelligence: <https://www.cia.gov/library/center-for-the-study-ofintelligence/index.html>

Evaluation Procedures

The course grade is based on the following assessments:

Discussion Forums – 30 percent

Each week, a discussion question is provided and posts should reflect an assimilation of the readings. Students are required to provide a substantive initial post by Thursday at 11:55 pm ET and respond to two or more classmates by Sunday 11:55 pm ET. Forum posts are graded on timeliness, relevance, knowledge of the weekly readings, and the quality of original ideas.

OSINT Collection Research Project – 30 percent

This assignment is an analytical report on a target based on intelligence you collect via open source. Prepare a 5 to 10 page (not including title page, bibliography and appendices) paper on your target. Report on the open source data you found and analyze the quality of the data from open source. Multiple sources are required (minimum of 5 sources). **(Due: Day 1 of Week 3)**

Literature Review – 20 percent

Prepare 8 – 10 page literature review on a research topic related to intelligence collection. This should be a topic which has a good depth of research available from academic, peer reviewed journals, other works of scholarship and reputable sources. From that, you will develop a literature review. **(Due: Day 1 of Week 5)**

Literature reviews are designed to do two things: 1) give your readers an overview of sources you have explored while researching a particular topic or idea and 2) demonstrate how your research fits into the larger field of study, in this case, intelligence. Your literature review should have between 10 and 15 more sources. Note: The title page and bibliography are not counted in the page count total of 8- 10 pages.

Final Assessment –20 percent

This assignment is a take-home essay assignment to test knowledge and assimilation of the course learning objectives. The exclusive use of required texts and readings is mandatory. No outside sources are allowed. The assignment should be no more eight and no fewer than six pages. **(Due: Day 7 of Week 8)**

TASK	Percentage
OSINT Collection Research Project	30 percent
Literature Review	20 percent
Forum Discussion Board Posts	30 percent
Final Assignment	20 percent

TOTAL	100 percent

Writing Expectations

All assignments for the School of Security and Global Studies (papers, essays, exams, and Forums) must follow the Chicago Style Manual guidelines. Refer to Kate Turabian, *A Manual for Writers of Research Papers, Theses, and Dissertations*, 7th ed. Chicago: University of Chicago Press found at http://www.press.uchicago.edu/books/turabian/turabian_citationguide.html.

All written submissions should be submitted in Times New Roman 12 pt font with 1” margins, typewritten in double-spaced format. Graduate-level work is expected to be free of grammar, usage, and style errors.

It is very important that students are aware of and comply with the APUS policy on plagiarism in the Student Handbook. To find the plagiarism policy, go to the vertical toolbar in the classroom and click “Policy”.

Late Assignments

Students are expected to submit classroom assignments by the posted due date and to complete the course according to the published class schedule. The standard for the School of Security and Global Studies for late assignments is a penalty of five percent per day.

Course Extension Policy

To apply for an extension, go to the vertical toolbar and click “Policy.” The student must have successfully completed at least 50 percent of the already-assigned coursework. The student shall have an overall passing grade in the course for which an extension is being requested. For this course, the 50 percent mark occurs in Week Six.

Other Policies

For other policies, including drop/withdrawal, grading, and disability, refer to the vertical toolbar and click “Policy.”

<u>Week</u>	<u>Topic</u>	<u>Learning Objective(s)</u>	<u>Readings</u>	<u>Assignments</u>
1	Introductions Introduction to Collection	LO-1: Review the basic types of collection systems and disciplines and the role collection plays in	Grabo, (2004). Anticipating Surprise, Chp. 1-5 O’Hern (2008). Intelligence Wars, Chp	Introductions and acknowledgement of plagiarism guidelines

		<p>the Intelligence Cycle.</p> <p>Understand what are “Indications and Warning (I&W)” and why foundation in I&W is important to collection.</p>	<p>1-4</p> <p>O’Conner, (n.d), Intelligence Collection</p> <p>Federation of American Scientists, “Operations Security (1996) Intelligence Threat Handbook: Section 2 – Intelligence Collection Activities and Disciplines</p>	<p>Week One Forum</p> <p>Lesson Notes</p> <p>Weekly readings</p>
2	Human and Open Source Collection	<p>LO-2: Describe HUMINT and how it is conducted and which Agencies are responsible for it.</p> <p>Provide advantages and disadvantages of HUMINT.</p> <p>Be able to discuss how OSINT is used for Intelligence Collection.</p> <p>Define the sources of OSINT.</p>	<p>O’Hern (2008). Intelligence Wars, Chp 5-9</p> <p>Dunleigh, (n.d.). Spy at Your Service, Sir. Studies in Intelligence, Vol 3, No. 2, pp. 81-93</p> <p>Central Intelligence Agency (n.d.). The Work of a Nation.</p> <p>U.S. Army (2006). FM 2-22.3. Human Intelligence Collector Operations, Parts 1-4</p> <p>Murphy (1998). Spies in Berlin: A Hidden Key to the Cold War. Foreign Affairs Vol. 77, No. 4, pp. 171-178.</p> <p>Ainsworth (1998). Sidney Reilly’s Reports from South Russia, Dec 1918 – March 1919. Europe-Asia Studies, Vol. 50, no. 8, pp. 1447-1470.</p> <p>Champion (2008).</p>	<p>Week Two Forum</p> <p>Lesson Notes</p> <p>Weekly Readings</p> <p>Lesson Notes</p> <p>Weekly Readings</p>

			<p>Spies (Look) Like Us: The Early Use of Business and Civilian Covers in Covert Operations. International Journal of Intelligence and Counterintelligence. Vol 21, No. 3, pp. 530-564.</p> <p>Hulnick (2008). OSINT: Is It Really Intelligence?</p> <p>Best & Cumming (2007). Open Source Intelligence (OSINT): Issues for Congress. CRS Report for Congress.</p> <p>Madill (2005). Producing Intelligence from Open Sources. Military Intelligence. Oct-Dec, pp. 19-26.</p> <p>Crowe & Davidson (n.d.). The Grey Intersection of Open Source Information and Intelligence.</p>	
3	Signal and Technical intelligence	LO-3: Understand the basic techniques and disciplines of signal and technical intelligence and how they evolve after World War II.	<p>Grabo (2004). Anticipating Surprise, Chp 6-9.</p> <p>Aid & Wiebes (2001). The Importance of Signals Intelligence in the Cold War. Intelligence & National Security. Spring 2001, Vol 16. Issue 1, pp. 1-</p>	<p>Week Three Forum</p> <p>Lesson Notes</p> <p>Weekly Readings</p> <p>OSINT Project Due (Day 1 of Week 3)</p>

		<p>Determine how “surprise” might be assuaged or mitigated.</p> <p>Examine the role “surprise” plays in the collection of intelligence.</p>	<p>26; 27-66.</p> <p>Moynihan (2000). The Scientific Community and Intelligence Collection. Physics Today, pp. 51-56.</p> <p>(1941). American Cryptology: Two Centuries of Tradition.</p> <p>Pike (2011) Globalsecurity.org: “MASINT”</p> <p>Bernard (2009). ELINT at the NSA.</p> <p>FM 34-54 (1998): “Technical Intelligence,” Chp 1, Chp 2.</p>	
4	Collection Systems	<p>LO-4: Describe the ways in which we collect signal and technical intelligence, both strategically and tactically.</p> <p>Be able to discuss the historical significance collection platforms have played in major events.</p> <p>Debate the merits of manned versus unmanned collection techniques.</p>	<p>Schindler (2004). A Dangerous Business: The U.S. Navy and National Reconnaissance During the Cold War. National Security Agency.</p> <p>Donnelly (2004). The United States- China EP-3 Incident: Legality and Realpolitik. Journal of Conflict & Security Law, Vol. 9, No. 1, pp. 25-42.</p> <p>Reinhardt, (1999). Future Employment of UAVs: Issues of Jointness. Joint Forces Quarterly, Summer,</p>	<p>Week Four Forum</p> <p>Lesson Notes</p> <p>Weekly Readings</p>

			<p>pp. 36-41.</p> <p>Coffey & Montgomery (2002). The Emergence of Mini-UAVs for Military Applications. Defense Horizons, No. 22, December, pp. 1-8.</p> <p>Nitscke (2006). ELINT at Sea: Why and How in an Uncertain World. Naval Forces, Vol. 27, No. 2, pp. 31-39.</p> <p>Polmar (2003). American Spy Ships. United States Naval Institute Proceedings, Vol. 129, Issue 10, p. 117.</p> <p>Mobley (2001). PUEBLO: A Retrospective. "Naval War College Review. Spring 2001: Vol. 54, No. 2, pp. 98-117.</p> <p>Potenziani (2006). Current and Future Trends in Military Electronic Warfare Systems and the Role of Thin Films and Related Materials. Ferroelectrics, Vol 342, Issue 1. pp. 151-161.</p>	
5	Space and Cyberspace Collection	<p>LO-5: Identify the ways in which satellites are used for intelligence collection.</p> <p>Review the major</p>	<p>Day (2004). Ferrets Above: American Signals Intelligence Satellites During the 1960's. International Journal of Intelligence and</p>	<p>Week Five Forum</p> <p>Lesson Notes</p> <p>Weekly Readings</p>

		<p>historical satellite collection programs and the future of collection.</p> <p>Understand the emerging field of Computer Network Operations and its subcomponents of attack, exploitation, and defense.</p> <p>Examine how collection might be done over computer networks.</p>	<p>Counterintelligence. Vol 17: pp. 449 – 467.</p> <p>Richelson (1996). “High Flyin’ Spies.” Bulletin of the Atomic Scientists. Vol 52, no. 5: pp. 48-54.</p> <p>Short (n.d.). “Military Intelligence Satellites” from Technical and Historical Perspectives of Remote Sensing.</p> <p>Richelson (1999). “U.S. Satellite Imagery, 1960 – 1999.” National Security Archive Electronic Briefing Book, No. 13.</p> <p>Janczewski & Colarik (2008). Cyber Warfare and Cyber Terrorism. Information Science Reference: Introduction to Cyber Warfare and Cyber Terrorism, pp. xiii – xxx.</p> <p>(2003). The National Strategy to Secure Cyberspace. The White House. February.</p> <p>Kelly & Almann (2009). “eWMDs.: Policy Review 152. pp. 39-50.</p> <p>U.S. DoD – Chairman of the Joint Chiefs of Staff (2006). National</p>	<p>Literature Review Due (Day 1 of Week 5)</p>
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			<p>Military Strategy for Cyberspace Operations.</p> <p>Peterson (2005). "Surveillance Slips Into Cyberspace" Signal. Vol 59, Issue 6, pp. 61-65.</p> <p>Tracking GhostNet (2009). Investigating a Cyber Espionage Network. Information Warfare Monitor.</p> <p>Berkowitz (2001). "Information Warfare: Time to Prepare." Issues in Science and Technology. Winter, pp. 37-44.</p> <p>Adams (2001). "Virtual Defense" Foreign Affairs. Vol. 80, No. 3, pp. 98 – 112.</p> <p>Wilson (2007). "Information Operations, Electronic Warfare, and Cyberwar: Capabilities and Related Policy Issues." CRS Report for Congress RL31787</p> <p>Lasker (2005). "U.S. Military's Elite Hacker Crew."</p> <p>Pike (1997). FAS: Military Space Programs/IMINT Overview</p>	
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			<p>Pike (1997). FAS: Military Space Programs/Ballistic Missile Early Warning Programs Overview</p> <p>Pike (1997). FAS: Military Space Programs/SIGINT Overview</p> <p>Vick (2005). GlobalSecurity.org – Integrated Overhead SIGINT Architecture (IOSA)</p>	
6	Intelligence Collection Management	<p>LO-6: Define collection management and how collection priorities are formulated.</p> <p>Identify collection management tools and how they are used.</p> <p>Discuss future challenges to collection management.</p>	<p>Heffter (1960). “A Fresh Look at Collection Requirements.” Studies in Intelligence, Vol 4, No. 4, p. 43-61</p> <p>Bundy, (1959). “The Guiding of Intelligence Collection. Studies in Intelligence, Vol. 3, No. 1, pp. 37-52.</p> <p>Krizan (1999). Intelligence Essentials for Everyone. Part VII – Managing the Intelligence Process, pp. 49-53.</p>	<p>Week Six Forum</p> <p>Lesson Notes</p> <p>Weekly Readings</p>
7	Intelligence Collection Policy and Law	<p>LO-7: Understand the Constitutional and legal protections afforded U.S. persons under the Fourth Amendment.</p> <p>Review the laws</p>	<p>(1984) Executive Order 12333</p> <p>(1982) Procedures Governing Activities of DoD Intelligence Components that Affect United States persons</p>	<p>Week Seven Forum</p> <p>Lesson Notes</p> <p>Weekly Readings</p>

		<p>and rules governing intelligence collection as outlined in Executive Order 12333 and DoD Regulation 5240.1-R.</p> <p>Identify and consider the tension between individual liberty, the right to privacy and the government's duty to protect the country and its citizens.</p>	<p>Bazan (2008). The Foreign Intelligence Surveillance Act: A Sketch of Selected Issues. CRS Report for Congress, RL34566.</p> <p>United States Court of Appeals for the Sixth Circuit (2007). ACLU v. NSA.</p> <p>Scott (1999). "Territorially Intrusive Intelligence Collection and International Law. Air Force Law Review. Vol 46.</p> <p>Intelligence law and Policy Considerations During Domestic Support Operations.</p> <p>Staff Statement no. 9: Law Enforcement, Counterterrorism and Intelligence Collection in the United States Prior to 9/11.</p> <p>Addicott & McCaul (2008). "The Protect America Act of 2007: A Framework for Improving Intelligence Collection in the War on Terror." Texas Review of Law & Politics. Vol. 13, No. 1, pp. 43- 71.</p> <p>Champion (2005). "The Revamped FISA: Striking a Better Balance Between the Government's Need to</p>	
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			<p>protect itself and the 4th Amendment. “Vanderbilt Law Review. Vol. 58, No. 5, pp. 1671 – 1703.</p> <p>Jordan (2006). “Decrypting the Fourth Amendment: Warrantless NSA Surveillance and the Enhanced Expectation of Privacy Provided by Encrypted Voice Over Internet Protocol. Boston College Law Review. Vol 47, No. 1, pp. 1-42.</p>	
8	Intelligence Collection Reform and the Future	<p>LO-8: Review previous attempts in U.S. history to reform the Intelligence Community.</p> <p>Identify the major issues affecting intelligence reform.</p> <p>Consider how those issues will affect the future of intelligence collection.</p>	<p>Warner & McDonald (2005). U.S. Intelligence Community Reform Studies Since 1947. The Strategic Management Issues Office and Center for the Study of Intelligence, Washington, D.C.</p> <p>Best (2009). “Intelligence Issues for Congress.” CRS Report for Congress RL 33539.</p> <p>Berkowitz (2004). “Intelligence Reform: Less is More. Hoover Digest, 2004. No. 2</p> <p>Dupont (2003). “Intelligence for the Twenty-First Century. “Intelligence and National Security, Vol. 18, No. 4, pp. 15-39.</p>	<p>Week Eight Forum</p> <p>Final Assessment Due (Day 7 of Week 8)</p>

			<p>Prados (2005). "Pentagon Power Play." Bulletin of the Atomic Scientists. March/April 2005, pp. 21-23.</p> <p>Friedman (2010). "The Christmas Day Airliner Attack and the Intelligence Process." STRATFOR Geopolitical Intelligence Report, January 4, 2010.</p> <p>Neary (2010). "Intelligence Reform 2001-2009. "Studies in Intelligence. Vol. 54. Nov. 1.</p>	
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Library Guide

The AMU/APU Library Guides provide access to collections of trusted sites on the Open Web and licensed resources on the Deep Web. These are specially tailored for academic research at APUS:

- Program Portals contain topical and methodological resources to help launch general research in the degree program. To locate, search by department name or navigate by school.
- Course Lib-Guides narrow the focus to relevant resources for the corresponding course. To locate, search by class code (e.g., SOCI111) or class name.
<http://apus.campusguides.com/INTL502>.