SPYCRAFT

Tradecraft, Technology, & Engineering

Enabling the Mission of Intelligence

Materials:

Textbook – Spycraft, Robert Wallace & H. Keith Melton ISBN 978-0525949800

Additional Optional Readings:
- The Billion Dollar Spy, David Hoffman, ISBN 978-1785783524
- The Technical Collection of Intelligence, Robert M. Clark, ISBN 978-1604265644
- Intelligence Collection, Robert M. Clark, ISBN 978-1452271859
- The 5 Disciplines of Intelligence Collection, Mark M. Lowenthal & Robert M. Clark, ISBN 978-1452217635

Videos:
- Azorian – The Raising of the K-129, Michael White, Michael White Films, 2009 (Documentary available on Amazon Prime)
- 13 Hours, Michael Bay, Paramount, 2016
- Argo, Ben Affleck, Warner Brothers, 2012

Technology Case Studies - CIA Studies for Intelligence
- CIA Studies in Intelligence https://www.cia.gov/resources/csi/studies-in-intelligence/
- Azorian https://www.cia.gov/stories/story/the-exposing-of-project-azorian/
- CIA Contributions to Modern Technology https://www.cia.gov/stories/story/cia-contributions-to-modern-technology-75-years/
- U2 https://www.cia.gov/static/CIA-and-U2-Program.pdf
- SR71 – OXCART https://www.cia.gov/stories/story/oxcart-vs-blackbird-do-you-know-the-difference/
- Insectothopter https://www.cia.gov/legacy/museum/artifact/insectothopter/

Syllabus
(Subject to Modification & Approval)

Lecture 1: (Spycraft, Chapters 1 & 2)
- Introduction to the course
    - Overview & Expectations
- Intelligence Community (IC) Overview
    - How is the IC structured
    - Who are the members of the IC
    - Title 10 vs. Title 50
- Beginnings – Origins of technology and the CIA

Lecture 2: (Spycraft, Chapters 20 & 21)
- Fundamentals of Tradecraft
- What is Tradecraft and why does it matter?
- Assessment – S.A.D.R.M.
- Cover & Disguise

Lecture 3: (Spycraft, Chapters 22, 23, 24)
- Concealments – Obfuscation, misdirection and hiding in plain site.
- Clandestine Surveillance
- Covert Communication

Lecture 4: (Spycraft, Chapters 3 &4)
- The Penkovsky Story
- The Challenges of Technology & Tradecraft

Lecture 5: (Spycraft, Chapters 5 & 6)
- Bring in the Engineers
- Building Better Gadgets
    - Problem solving. Innovation and Process

Lecture 6: Guest Lecture
The importance of the programmatic approach - Intentional Engineering

Lecture 7: (Spycraft, Chapters 7 & 8)
- Bridging the Gap – The Importance of Relationships
- Not just about the Tech

Lecture 8: (Spycraft, Chapters 11 & 12)
- Tech is not always the only solution
    - The Technology Trap
    - Working with what you have & being aware of the environment

Lecture 9: (Spycraft, Chapters 13 & 14)
- Advancing Technologies & Lessons Learned

Lecture 10: Guest Lecture
- The Technology Decision Process
- Tradeoffs, Risks and Outcomes

Lecture 11: (Spycraft, Chapters 15 & 16)
- Government as an Engine of Innovation

Lecture 12: (Spycraft, Chapter 19)
- Working Backwards

Lecture 13: Guest Lecture
- Now that we solved the Technical Problem – what's next
- The Analysis Process

Lecture 14: (Spycraft, Chapters 9 & 10)
- People and Technology
- Tolkachev, The Billion Dollar Spy

Lecture 15:
- Azorian – The Raising of the K-129