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

Technology Case Studies - CIA Studies for 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/>
* CIA Studies in Intelligence <https://www.cia.gov/resources/csi/studies-in-intelligence/>

Syllabus

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