



Nuclear Policy 101 – Course Syllabus *Required and Recommended Readings*

Course Aims

The aim of this course is to familiarize the student with the key technical, historical, legal, and practical political factors needed to understand and assess the merits of past, present, and proposed nuclear control policies. The course is not intended to cover every topic related to nuclear policy but should give the student the insights and tools needed to investigate them on their own. The aim is to inspire and interest the student to undertake such study both during and after the course.

Course Content

The course will cover the following topics:

1. City Busting, the Nuclear Weapons Revolution, and Precision Guidance
2. Nuclear Deterrence
3. Nuclear Energy Basics, Part 1: Fission, Fusion and Bomb Designs
4. Nuclear Energy Basics, Part 2: Reactors and Fuel Making
5. The Nonproliferation Regime: Its History and Key Premises
 - A. *The Acheson-Lilienthal Report and Baruch Plan*
 - B. *Atoms for Peace, the IAEA, and Safeguards*
 - C. *The Nonproliferation Treaty (NPT)*
 - D. *The Current View: 3 Pillars*
6. Nuclear Energy Economics
7. Nuclear Terrorism
8. Nuclear Proliferation Intelligence
9. Thinking About the Next Arms Race

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Reading Assignments

1. CITY BUSTING, THE NUCLEAR WEAPONS REVOLUTION, AND PRECISION GUIDANCE

Required Reading

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Recommended Reading

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Hugh Trenchard, "The War Object of an Air Force," in *The Art of War in World History: From Antiquity to the Nuclear Age*, ed. Gérard Chaliand (Berkeley: University of California Press, 1994), 905-910.

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2. NUCLEAR DETERRENCE

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5. THE NONPROLIFERATION REGIME: ITS HISTORY AND KEY PREMISES

- A. The Acheson-Lilienthal Report and the Baruch Plan*
- B. Atoms for Peace and the IAEA*
- C. The Nonproliferation Treaty (NPT)*
- D. The Current View: 3 Pillars*

5A. The Acheson-Lilienthal Report And The Baruch Plan

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