William Clark / wiclark@ucsd.edu / Lecture: Tuesdays-Thursdays 5-6:20 PM, Center Hall 216
Office: 2302 HSS, East Wing / Hours: Tues+Thurs 12-1 & 6:30-7:30 P.M.

Grading: Practice Midterm (5%) + Midterm (35%) + Final (60%) / Midterm & Final consist of two parts:
(1) take-home essays, due in class the day of the exams, and (2) an in-class short answers.

No requirements or prior knowledge expected to take this class.

Class Website:  http://webctweb.ucsd.edu

Readings – Selected Pages as PDFs (on class website):
“The Creation of SIOP-62.”

Videos:
*A Is for Atom* (1952/53) [on class website and at: http://www.archive.org/details/isforAto1953]

*Let’s Face It: Operation Alert & Operation Doorstep* (1954) [on class website].

*The Manhattan Project* (2002) [on class website].

*Dr. Teller’s Very Large Bomb* (2005) [on class website].


Lectures, Readings, Exams

**SEPTEMBER**

23 **NUCLEAR WEAPONS, NUCLEAR FEAR**: Introduction
   Download “Atomic Links” in the Database on the Website & Peruse It, Especially Folders 3-6.

28 **RADIOACTIVE**: Radiation, the Nucleus, Nuclear Energy
   Watch: *A Is for Atom*, 0:00-10:34. Peruse the Atomic Links from the Database, Especially Folder 5.

   **The Atomic Bomb & Strategic Bombing, 1933-1945**

30 **FISSION**: Uranium and Transuranic Elements (1933-1939)
   Watch: *A Is for Atom*, 0:00-10:34. Surf wikipedia on: Neutrons, Uranium, Plutonium, Fission, etc.

**OCTOBER**

05 **NEUTRONS**: Plutonium, Reactors, and Bombs (1939-42)
   Read: Kunetka, *City*, pp. 2-40.

07 **MED**: General Groves and the Manhattan Project (1942-1943)
   Read: Kunetka, *City*, pp. 41-89.

12 **OPPIE**: Oppenheimer and Los Alamos (1943) + Practice Midterm in Class
   Read: Kunetka, *City*, pp. 90-106.

14 **THE GADGET**: Thin Man, Fat Man, Little Boy (1944-1945)

19 **LEMAV**: Strategic Bombing in Europe & Asia (1936-1945)

21 **TRINITY**: Firebombing, Politics, Testing & Using the Bomb (March-August 1945)

26 **MIDTERM**: ESSAY DUE IN CLASS AT 5 PM / REVIEW & QUESTIONS, 5-5:30 / SHORT ANSWERS, 5:30-6:30
The Hydrogen Bomb & the Atom Spies, 1945-1954

   Read: Uhl & Ensign, GI, pp. 30-53.

NOVEMBER

02 TELLER: SAC, the RAND Corporation, and the Super Bomb (1948 to 1950)
   Read: Kaplan, Wizards, pp. 51-84; Einstein, On Politics.

04 FUSION: Spies and the American Thermonuclear Device (1950-1952)
   Read: Moss, Men, pp. 64-94; Metzger, Atomic, pp. 15-39.

09 GODZILLA: “Atoms for Peace,” Hydrogen Bombs, the Trial of Oppenheimer (1953-1954)
   Watch: Dr. Teller’s Very Large Bomb 1-3 (2005).

Ballistic Missiles & Radioactive America, 1954-1962

   Watch: A Is for Atom + Let’s Face It (1954) [on class site]. Peruse Folders 6, 10, & 14 in Atomic Links.

18 FALLOUT: Atomic Soldiers, Nuclear Policy, Nuclear Fear, Nuclear Culture in the 1950s
   Read: Moss, Men, pp. 94-114; Uhl & Ensign, GI, pp. 54-88. Peruse Folders 8-9, 15-17 in Atomic Links

23 MISSILES: ICBMs and Megatons (1951-1961)
   Read: York, Race, pp. 27-48, 75-124; Kaplan, Wizards, pp. 174-84; Moss, Men, pp. 115-32.

30 CUBA: SIOP-62 & the Cuban Missile Crisis (1961-1962)
   Read: Kaplan, Wizards, pp. 185-257; “Creation of SIOP-62.”

DECEMBER

02 DISCUSSION: Nuclear Weapons & Nuclear Fear.
   Peruse the Atomic Links, Especially Folders 2-6.

10 Final: Take-Home Essay Due in Class at 7 PM + In-Class Final To Be Done 7-10 PM

Suggested Books for Future Reference:

Gar Alperovitz, The Decision to Use the Atomic Bomb (1995)
Thomas Coffey, Iron Eagle: The Turbulent Life of General Curtis LeMay (1986)
Stuart Weart, Nuclear Fear: A History of Images (1988)