

The Krogh Seminar
INAF-339
Weapons of Mass Destruction and International Security

Georgetown University
Spring Semester 2007
ICC 202
Mondays 2:15 – 4:15 p.m.

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Office Hours: Tuesdays & Wednesdays 2:00 - 3:00 p.m. & by appointment

Description: The purpose of the course is to explore the nature of the threat to international security posed by weapons of mass destruction (WMD). The first part of the course is devoted to understanding the connections between nuclear energy and nuclear weapons, the technology of nuclear weapons - - and to a lesser extent chemical and biological weapons - - and those international regimes and national policies designed to prevent the spread of these weapons. The second part of the course takes a regional perspective, addressing the importance of WMD to the security and stability of North East Asia, South Asia, and the Middle East, as well as the threat posed by terrorist acquisition of WMD.

Requirements: Students will prepare an analytical term paper of roughly 20 pages on a topic agreed upon with the instructor prior to Part II of the course. The paper will be due on 27 April (30% of grade). Students will take a mid-term written examination covering Part I of the course on 12 March (20%), and sit for a 30 minute oral final examination covering Parts I and II of the course (30%). Students are also expected to be active participants in the seminar (20%).

Texts: *Recommended for purchase:*

Sagan, Scott D. Moving Targets: Nuclear Strategy and National Security. Princeton: Princeton University Press, 1989.

Sagan, Scott D. and Waltz, Kenneth N. The Spread of Nuclear Weapons: A Debate Renewed. New York: W. W. Norton & Company. 2003.

Croddy, Eric. Chemical and Biological Warfare. New York: Copernicus Books. 2002.

Synnott, Hilary. "The Causes and Consequences of South Asia's Nuclear Tests." International Institute for Strategic Studies. Adelphi Paper No. 332. New York: Oxford University Press. 1999.

Cirincione, Joseph. et.al., WMD in Iraq: Evidence and Implications, Washington, DC: Carnegie Endowment for International Peace, 2004. <http://www.carnegieendowment.org/files/Iraq3FullText.pdf>

Kemp, Geoffrey. U.S. and Iran: The Nuclear Dilemma: Next Steps. Washington, DC: The Nixon Center, 2004. <http://www.nixoncenter.org/publications/monographs/USandIran.pdf>

Allison, Graham. Nuclear Terrorism: The Ultimate Preventable Catastrophe. New York: Time Books, 2004.

Cha, Victor and Kang, David. Nuclear North Korea: A Debate on Engagement Strategies. New York: Columbia University Press, 2003.

**Note: all texts and readings will be available on reserve at the University Library. Many items can also be*

INAF-339

found on ELECTRONIC reserves, accessible anytime via the internet.

Page 2

PART I - THE TECHNOLOGY AND THE REGIMES OF CONTROL**Weeks 1 & 2 10 & 22 January - Nuclear Energy and Nuclear Weapons***Required Reading:*

Gardner, Gary T. "Nuclear Fission and the Nuclear Bomb," and "The Nuclear Fuel Cycle." Nuclear Nonproliferation: A Primer. Boulder, CO: Lynne Rienner Publishers, 1994. pp. 1-35.

Greenwood, Ted and Rathjens, George W. Nuclear Power and Weapons Proliferation.@ International Institute for Strategic Studies. Adelphi Paper No. 130. New York: Oxford University Press.

Leventhal, Paul and Dolley, Steven. The Plutonium Fallacy: An Update.@ The Nonproliferation Review, Spring-Summer 1999. Vol. 6, No. 3, pp. 75-88.

The Future of Nuclear Power. Summary Report.

Week 3 29 January - Nuclear Weapons and Deterrence*Required Reading:*

Alt, Leonard A. et al, "Nuclear Events and Their Consequences," in Walker, Richard I. and Cerveny, T. Jan (eds.), Medical Consequences of Nuclear Warfare, Textbook of Military Medicine. Alexandria, VA: Office of the Surgeon General, Defense Nuclear Agency, 1989. Chapter 1. pp. 1-14.

Schell, Jonathan. "Nuclear Holocaust." In Kegley, Charles W. Jr. & Wittkopf, Eugene R. (eds.) The Nuclear Reader. 2nd Edition. New York: St. Martin's Press. 1989. pp. 270-283.

Sagan, Scott D. Moving Targets: Nuclear Strategy and National Security. Princeton: Princeton University Press, 1989. Entire.

Weeks 4 & 5 5 & 12 February - Nuclear Weapons Spread and Response*Required Reading:*

Weapons of Terror: Freeing the World of Nuclear, Biological and Chemical Arms, Stockholm, Sweden: Weapons of Mass Destruction Commission Final Report, June 2006, pp.1-109.

The National Security Strategy of the United States of America. September 2002, pp. 13-16. and March 2006, pp. 18-24.

Levi, Michael A. and O'Hanlon, Michael E. "Preventing Nuclear Proliferation." The Future of Arms Control. Washington, DC: Brookings Institution Press, 2005. pp. 47-73.

Heisbourg, François. "A Work in Progress: The Bush Doctrine and Its Consequences." Arend, Anthony Clark. "International Law and the Preemptive Use of Military Force.

Freedman, Lawrence. "Prevention, Not Preemption." The Washington Quarterly. Spring 2003. Vol. 26, No. 2, pp. 75-133.

Sagan, Scott D. and Waltz, Kenneth N. The Spread of Nuclear Weapons: A Debate Renewed. New York: W. W. Norton & Company, 2003. Entire.

Week 6 26 February - Biological and Chemical Weapons*Required Reading:*

Croddy, Eric. Chemical and Biological Warfare. New York: Copernicus Books. 2002. Entire.

Week 7 12 March – Mid-Term Examination**PART II - THE IMPACT ON INTERNATIONAL SECURITY****Week 8 19 March - Korea***Required Reading:*

Oberdorfer, Don. The Two Koreas. Basic Books. 1997. pp. 249-280.

Cha, Victor and Kang David. Nuclear North Korea: A Debate on Engagement Strategies. New York: Columbia University Press. 2003. Entire.

Week 9 26 March – India and Pakistan*Required Reading:*

Synnott, Hilary. The Causes and Consequences of South Asia's Nuclear Tests. International Institute for Strategic Studies. Adelphi Paper No. 332. New York: Oxford University Press. 1999. Entire

Singh, Jaswant, "Against Nuclear Apartheid," Foreign Affairs, September-October 1998. Vol. 77, No. 3. pp. 41-52.

Talbott, Strobe, "Dealing with the Bomb in South Asia," Foreign Affairs, March-April 1999. pp. 110-122.

Giles, Gregory F. and Doyle, James E. "Indian and Pakistani Views on Nuclear Deterrence," Comparative Strategy. Vol. 15. 1996. pp. 135-159.

Arms Control Today. October 2005. pp. 6-12 and January/February 2006. pp. 11-17.

Week 10 11 April - Iraq*Required Reading:*

Baram, Amatzia. "An Analysis of Iraqi WMD Strategy." The Nonproliferation Review. Summer 2001. Vol. 8, No. 2. pp. 25-39.

Trevan, Tim. Saddam's Secrets: The Hunt for Iraq's Hidden Weapons. London: Harper Collins Publishers, 1999. pp. 1-111.

Iraq's Weapons of Mass Destruction. Central Intelligence Agency, October 2002. Entire.

Cirincione, Joseph. et.al. WMD in Iraq: Evidence and Implications. Washington, DC: Carnegie Endowment for International Peace. 2004. Entire.

<http://www.carnegieendowment.org/files/Iraq3FullText.pdf>

Week 11 16 April – Iran and Israel*Required Reading:*

McFaul, Michael, et.al. "A Win-Win U.S. Strategy for Dealing with Iran." The Washington Quarterly. Winter 2006-7. pp. 121-138.

Kemp, Geoffrey. U.S. and Iran: The Nuclear Dilemma: Next Steps. Washington, DC: The Nixon Center, 2004. Entire.

<http://www.nixoncenter.org/publications/monographs/USandIran.pdf>

Cohen, Avner. Israel and the Bomb. New York: Columbia University Press, 1998. pp. 294-349.

Weeks 12 & 13 23 April & 30 April - WMD and Terrorism*Required Reading:*

Time Allison, Graham. Nuclear Terrorism: The Ultimate Preventable Catastrophe. New York: Books, 2004. Entire.

Etzioni, Amitai. Pre-Emptying Nuclear Terrorism in a New Global Order. United Kingdom: The Foreign Policy Center. 2004. Entire.

Oral Final Examinations will be scheduled for each student between 4 and 11 May.

To access electronic reserves:

1. Point your web browser to GEORGE, the online catalog at <http://library.georgetown.edu>
2. Select *Course Reserves* from the Main Menu
3. Select *Search by Instructor's Name* or *Search by Course Name*
4. Type the professor's last name or the course name in the box and return <Enter>
5. Select the course you want to view.
6. An alphabetical list of titles on reserve for that course will appear.
7. Click on the item you need that has the location *Electronic Reserves*
8. Click on *View Document*. Adobe Acrobat Reader will automatically open, and the first page of the document will appear on the screen.

NOTE: If you are retrieving electronic reserves from outside the library, you will need Adobe's Acrobat Reader software. You can download it from <http://www.library.georgetown.edu/acrobat> or return to the select *Course Reserve by Instructor* menu and click on "*Get Adobe*"

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