

International Security and the Spread of Weapons of Mass Destruction

Georgetown University
Fall Semester 2001
ICC 7th Floor Executive Conference Room
Mondays 2:15 p.m. - 4:45 p.m.

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

Description: The purpose of the course is to explore the nature of the threat to international security posed by the spread of weapons of mass destruction (WMD). The first part of the course is devoted to understanding the technology of nuclear, chemical and biological weapons and ballistic missiles, and those international regimes created to prevent their spread. The second part of the course initially takes a regional perspective, addressing the importance of WMD to the security and stability of North East Asia, South Asia, and the Middle East. It then addresses the impact of Russia and China on proliferation, and concludes with an assessment of the threat posed by terrorist use of WMD.

Requirements: There will be a mid-term examination (22 October; 20% of grade) that will focus on technical issues and aspects of WMD, and on various international regimes designed to control their spread. The final examination will be an oral (40% of grade), focused on the ability of the student to analyze the impact of WMD spread on regional security and stability, as well as to assess the global impact of WMD proliferation and the effectiveness of policies designed to check it. An analytical paper (roughly 15-20 pages; 30% of grade) will also be required on a topic to be agreed upon between the student and instructor prior to the mid-term examination and due on 30 November. Participation in class discussion (10% of grade) is expected.

Texts:

Recommended for purchase:

Sagan, Scott D. and Waltz, Kenneth N. The Spread of Nuclear Weapons: A Debate. New York: W.W. Norton & Company, 1995.

Wilkening, Dean A. "Ballistic Missile Defense and Strategic Stability." International Institute for Strategic Studies. Adelphi Paper No. 334. New York: Oxford University Press, 2000.

Treva, Timothy. Saddam's Secrets. London: Harper Collins, 1999.

Bunn, Matthew. The Next Wave. Carnegie Endowment for International Peace, 2000.
Available <http://ksgnotes1.harvard.edu/BCSIA/Library.nsf/pubs/Nextwave>

Preston, Richard. The Cobra Event. New York: Random House, 1997.

Barletta, Michael and Sands, Amy, (eds). Nonproliferation Regimes at Risk. Monterey Institute, Center for Nonproliferation Studies, Occasional Paper No. 3, November 1999.
Available <http://cns.miis.edu/pubs/opapers/op3/index.htm>

Synott, 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.

**Note: all texts and readings are available on reserve at the University Library. Many items can also be found on ELECTRONIC reserves, accessible via the Internet - See attached instructions.*

PART I - THE TECHNOLOGY AND THE REGIMES OF CONTROL

1) 10 September - Nuclear Energy and Nuclear Weapons

Gardner, Gary T. Nuclear Nonproliferation: A Primer. Boulder, Colorado: 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 Press, 2000.

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

2) 17 September - Nuclear Weapons and Deterrence

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

Freedman, Lawrence. The Evolution of Nuclear Strategy. 2nd Edition. New York: St. Martin's Press, 1989, pp. 33-44, 123-138, 227-256.

Sagan, Scott D. Moving Targets: Nuclear Strategy and National Security. Princeton, New Jersey: Princeton University Press, 1989, pp. 10-97.

3) 24 September - Nuclear Weapons Spread and Response

Clausen, Peter A. Nonproliferation and the National Interest. New York: Harper Collins, 1993, pp. 1-42, 74-99, 127-183.

Sagan, Scott D. "Why Do States Build Nuclear Weapons?" International Security. Winter 1996-97, Vol. 21, No. 3, pp. 54-86.

Sagan, Scott D. and Waltz, Kenneth N. The Spread of Nuclear Weapons: A Debate. New York: W.W. Norton & Company, 1995. Entire.

4) 1 October - Biological and Chemical Weapons

Iin Sidell, Frederick. et al (eds.) Medical Aspects of Chemical and Biological Warfare, Part I. The Textbook of Military Medicine. Office of the Surgeon General, Borden Institute, 1997:

(a) Eitzen, Edward M and Takafuji, Ernest T. "Historical Overview of Biological Warfare." Chapter 18, pp. 415-423.

(b) Franz, David R. et al. "The U.S. Biological Warfare and Biological Defense Programs." Chapter 19, pp. 425-436.

4) 1 October - Biological and Chemical Weapons (CONTINUED)

(c) Eitzen, Edward M. "Use of Biological Weapons." Chapter 20, pp. 437-450.

(d) Caudle, Lester C. "The Biological Warfare Threat." Chapter 21, pp. 451-466.

Alibek, Ken. Biohazard. New York: Random House, 1999, pp. 51-133.

Tucker, Jonathon B. "Biological Weapons in the Former Soviet Union: An Interview with Dr. Kenneth Alibek." The Nonproliferation Review. Spring-Summer 1999, Vol. 6, No. 3, pp. 1-10.

Leitenberg, Milton. "Biological Weapons: A Reawakened Concern." The World and I. January 1999, pp. 289-305.

In Sidell, Frederick. et al (eds.) Medical Aspects of Chemical and Biological Warfare, Part I. The Textbook of Military Medicine. Office of the Surgeon General, Borden Institute. 1997:

(a) Sidell, Frederick R. and Franz, David R. "Overview: Defense Against the Effects of Chemical and Biological Warfare Agents." Chapter 1, pp. 1-7.

(b) Smart, Jeffrey K. "History of Chemical and Biological Warfare: An American Perspective." Chapter 2, pp. 9-86.

(c) Takafuji, Ernest T. and Allart, B. Kok. "The Chemical Warfare Threat and the Military Healthcare Provider." Chapter 4, pp. 111-128.

Chemical Disarmament: Basic Facts. 1999 Edition. The Hague: Organization for the Prohibition of Chemical Weapons, 1999.

5) 15 October - Ballistic Missiles and Ballistic Missile Defense

Pena, Charles V. "Theater Missile Defense: A Limited Capability is Needed." Policy Analysis. Cato Institute, No. 309, June 22, 1998, pp. 1-37.

Garwin, Richard I. "The Rumsfeld Report." The Bulletin of the Atomic Scientists. November-December 1998, pp. 40-45.

Wilkening, Dean A. Ballistic Missile Defense and Strategic Stability. International Institute for Strategic Studies. Adelphi Paper No. 334, New York: Oxford University Press, 2000. Entire.

6)

22 October - Mid Term Examination

PART II - THE IMPACT ON INTERNATIONAL SECURITY

7) 29 October - Northeast Asia

Mack, Andrew. Proliferation in Northeast Asia. Occasional Paper No. 28. July 1996. The Henry L. Stimson Center.

Oberdorfer, Don. The Two Koreas. Reading, MA: Addison-Wesley, 1997. pp. 251-368.

Cambone, Stephen A. "The United States and Theatre Missile Defense in North-east Asia." Survival. Autumn 1997, Vol. 39, No. 3, pp. 66-84.

8) 5 November - South Asia

Synott, Hilary. The Causes and Consequences of South Asia's Nuclear Tests. International Institute for Security Studies. Adelphi Paper No. 332. New York: Oxford University Press. December 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. "India and Pakistani Views on Nuclear Deterrence." Comparative Strategy. 1996, Vol. 15, pp. 135-159.

Delpèch, Thérèse. "Nuclear Weapons and the 'New World Order': Early Warning from Asia." Survival. Winter 1998-1999, Vol. 40, No. 4, pp. 57-76.

9) 12 November - Iraq

Litwak, Robert S. Rogue States and U.S. Foreign Policy. Washington, DC: Woodrow Wilson Center Press, 2000, pp. 123-157.

Trevar, Timothy. Saddam's Secrets. London: Harper Collins, 1999. Entire.

10) 19 November - Middle East

Chubin, Shahram. "The Middle East." In Reiss and Litwak: Nuclear Proliferation after the Cold War. pp. 33-65.

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

Kemp, Geoffrey. (ed.) Iran's Nuclear Weapons Options: Issues and Analysis. The Nixon Center, 2001, pp. 1-33.

11) 26 November - Russia and China

Gill, Bates and Medeiros, Evan S. "Foreign and Domestic Influences on China's Arms Control and Nonproliferation Policies." The China Quarterly. March 2000, pp. 66-94.

Bunn, Matthew. The Next Wave. Carnegie Endowment for International Peace. 2000. Entire.

12) 3 December - Terrorism

Betts, Richard. "The New Threat of Mass Destruction." Foreign Affairs. January-February 1998, Vol. 77, No. 1, pp. 26-41.

Preston, Richard. The Cobra Event. New York: Random House, 1997. Entire.

13) 7 December - The Threat and Response Re-Considered

Roberts, Brad. "From Nonproliferation to Antiproliferation." International Security. Summer 1993, Vol. 18, No. 1, pp. 139-173.

Andreani, Gilles. "The Disarray of U.S. Non-Proliferation Policy." Survival. Winter 1999-2000, pp. 42-59.

Barletta, Michael and Sands, Amy. (eds.) Nonproliferation Regimes at Risk. Monterey Institute, Center for Nonproliferation Studies. Occasional Paper No. 3. November 1999.

An oral final examination will be scheduled for each student between 11 December and 19 December.
