

IP 641 Nonproliferation in the NIS

Fall 2006
Instructor: Nikolai Sokov

Class meetings: Wednesdays, 4-5:50
M127

Office Hours: Friday 2-4 or by appointment

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The seminar will provide an overview of the issues surrounding the proliferation of nuclear, chemical, and biological weapons and ballistic missiles in the former Soviet Union. Particular emphasis is on Russia as a nuclear weapons state and also the state with the bulk of Soviet nuclear, chemical, and biological infrastructure, and also a state that is actively engaged in both military and civilian applications of nuclear power. Considerable time will be spent on Central Asia. The course will emphasize the interrelationship between nonproliferation regimes and political and economic developments – both domestic and international and explore the impediments to the strengthening of WMD nonproliferation. The interaction between NIS states and three issues key to global nonproliferation will be covered in detail: Iran, North Korea, and South Asia.

Students are expected to have basic knowledge of existing WMD nonproliferation regimes prior to taking this class. If you have problems, check CNS tutorials at http://www.nti.org/h_learnmore/h3_tutorial.html.

Students are required to write three papers:

- (1) policy memo (3-5 pages) submitted on October 4 on a politically relevant aspect of any theme covered by that time. If in doubt about the choice of the topic, consult the teacher. The memo should contain analysis of the problem and realistic recommendations on policy changes/initiatives designed to solve that problem.
- (2) no later than November 20, all students are required to attend on seminar at CNS (these are usually held at lunchtime) and submit a summary of the topic, main arguments, approach, findings, and conclusions of the speaker. The summary should be no longer than one page.

- (3) research paper (10-15 pages) due on November 22 on a politically relevant aspect of WMD nonproliferation, whether covered or not covered in class. The overall design is similar to that of the memo, but analysis and recommendations are expected to be more comprehensive and researched in greater depth. Research papers will be presented in class (students writing on similar topics are allowed to give joint presentation). Each presentation will be no more than 5-7 minutes with 10-15 minutes discussion afterwards.

Readings. Students are expected to complete readings before coming to class. There are no books for purchase; most readings are available on the Internet, the rest from reserve at the library. Students are also encouraged to do their own research and bring additional materials to class.

All students are required to browse relevant sections of CNS databases – country profiles (http://www.nti.org/e_research/profiles/index.html) and nonproliferation databases (http://www.nti.org/e_research/e7_databases.html) prior to class.

Grading: policy memo – 10 percent, seminar summary – 5 percent, research paper – 20 percent, presentation of research paper – 10 percent, participation in class – 50 percent, remaining five percent awarded at discretion of the teacher for brilliance (95 percent will still get you an A).

September 13

Overview of Russian WMD nonproliferation policy

The Russian Federation and Nonproliferation of Weapons of Mass Destruction and Delivery Systems: Threats, Assessments, Problems and Solutions, June 2006, <http://cns.miis.edu/pubs/other/rusfed.htm>

Nikolai Sokov, CNS Analysis of the Russian Government's White Paper on WMD Nonproliferation, <http://cns.miis.edu/pubs/week/060726.htm>

Nikolai Sokov and Leonard Spector, Russian Government White Paper On Wmd Nonproliferation Reveals Both Differences And Similarities With U.S. Approach, WMD Insights, September 2006, http://www.wmdinsights.com/I8/I8_R1_RussianWhitePaper.htm

Carl E. Behrens, Nuclear Nonproliferation Issues, January 2006, CRS Report IB10091, <http://www.fas.org/sgp/crs/nuke/IB10091.pdf>

Gennady Yevstafiev, WMD Nonproliferation: Several Concerns and Risks, Yadernyi Kontrol, Winter/Spring 2004.

September 20

Preventing proliferation from the former Soviet Union

William Potter and Elena Sokova, "Illicit Nuclear Trafficking: What's New? What's True?" *Nonproliferation Review* 9 (Summer 2002),
<http://cns.miis.edu/pubs/npr/vol09/92/92potsok.pdf>

Matthew Bunn et al., *Controlling Nuclear Warheads and Materials: A Report Card and Action Plan* (Washington, D.C.: Nuclear Threat Initiative and the Project on Managing the Atom, Harvard University, March 2003), Issue summary,
http://www.nti.org/e_research/cnwm/overview/cnwm_home.asp

Vladimir Orlov and William C. Potter, "The Mystery of the Sunken Gyros," *The Bulletin of the Atomic Scientists* (Nov/Dec 1998), pp. 34-39.
<http://www.thebulletin.org/issues/1998/nd98/nd98orlovpotter.html>

Nikolai Sokov, Ukraine Rejects Russian Accusations Of Missile Technology Control Regime Violation, WMD Insights, September 2006,
http://www.wmdinsights.com/I8/I8_R2_UkraineRejects.htm

Margarita Sevcik, Uranium Tailings in Kyrgyzstan: Catalyst for Cooperation and Confidence Building? *The Nonproliferation Review*, Spring 2003,
<http://cns.miis.edu/pubs/npr/vol10/101/101sevcik.pdf>

Robert Orttung and Louise Shelley, Linkages Between Terrorist and Organized Crime Groups in Nuclear Smuggling: A Case Study of Chelyabinsk Oblast, PONARS Policy Memo 392 (December 2005),
http://www.csis.org/media/csis/pubs/pm_0392.pdf

September 27

October 4

Nonproliferation Assistance to the former Soviet Union

"Special Report: Assessing US Nonproliferation Assistance to the NIS," *The Nonproliferation Review*, Vol. 7, #1, Spring 2000, articles by Daughtry/Wehling and Parrish/Robinson, pp. 97-124
<http://cns.miis.edu/pubs/npr/vol07/71/ewell71.pdf>

Amy Woolf, Nonproliferation and Threat Reduction Assistance: U.S. Programs in the former Soviet Union, June 2006, CRS Report RL31957,
<http://www.fas.org/sgp/crs/nuke/RL31957.pdf>

Sergei Kislyak, The Russian Side Has Taken a Decision in Principle to Extend the CTR Agreement of 17 June 2003 for the Next 7 Years (Until 2013), Yadernyi Kontrol, Summer/Fall 2005.

Caitlin Talmadge, Striking a BalanceL The Lessons of US-Russian Materials Security Cooperation, The Nonproliferation Review, Spring 2005,
<http://cns.miis.edu/pubs/npr/vol12/121/121talmadge.pdf>

Christina Chuen, The G8 Global Partnership: Progress and Prospects, The Nonproliferation Review, March 2005

Anton Khlopkov, Vadim Kosuylin, The Global Partnership in the Russian Far East: Did the Program End Before It Even Began? Yadernyi Kontrol, Winter/Spring 2005

Browse NNSA fact sheets:

- Elimination of Weapons Grade Plutonium
(<http://www.nnsa.doe.gov/na%2D20/ewgpp.shtml>)
- Warhead Safety and Security Exchange
(http://www.nnsa.doe.gov/na%2D20/na241_div.shtml#wssx)
- IPP (<http://www.nnsa.doe.gov/na%2D20/ipp.shtml>)
- NCI (<http://www.nnsa.doe.gov/na%2D20/nci/index.shtml>)
- NA-25 programs (<http://www.nnsa.doe.gov/na%2D20/cooperation.shtml>)
- Plutonium disposition
(<http://www.nnsa.doe.gov/na%2D20/cooperation.shtml>)
- GTRI (<http://www.nnsa.doe.gov/na%2D20/cooperation.shtml>)

Robert Einhorn and Michele Flournoy, Assessing the G-8 Global Partnership: From Kananaskis to St. Petersburg, July 2006
(http://www.csis.org/media/isis/pubs/060701_g8_global_partnership.pdf)

October 11 Central Asia

Olga Oliker, David Shlapak, US Interests in Central Asia (RAND, 2005) -
Browse

Kenley Butler, Weapons of Mass Destruction in Central Asia, October 2002
(http://nti.org/e_research/e3_19a.html)

Scott Parrish and William Potter, United States Seeks to Block Central Asian Nuclear-Weapon-Free Zone Treaty, September 2006
(<http://cns.miis.edu/pubs/week/pdf/060905.pdf>)

Gennady Yevstafiev, Some Thoughts on the Evolution of US Approaches to Regional Security Issues in Central Asia, Yadernyi Kontrol, Summer/Fall 2005

October 18
Iran

Ivan Safranchuk, Russia's Position on Iran: Motives and Constraints, Moscow Defense Brief, No. 2, 2006, <http://mdb.cast.ru/mdb/2-2006/item1/item1/>

Mikhail Barabanov, Russia on Iran's Market for Arms, Moscow Defense Brief, No. 1, 2006, http://mdb.cast.ru/mdb/1-2006/arms_trade/item1/

Yevgeny Zvedre, The US-Russian Nonproliferation Dialogue: The Iranian Factor and Export Control Cooperation, Yadernyi Kontrol, Summer 2000,

Nikolai Sokov, Russia Cools to Iran as the Nuclear Crisis Deepens, WMD Insights, March 2006,
http://www.wmdinsights.com/I3/R1_Russia_Cools_to_Iran.htm

Aleksei Arbatov, Russia and the Iranian Nuclear Crisis, May 2006,
<http://www.carnegie.ru/en/pubs/media/74390.htm>

Nikolai Sokov. Putin Meeting With Ahmadinejad In Shanghai Plays Well In Moscow, Brings Little Progress On Nuclear Impasse, WMD Insights, July-August, 2006, http://www.wmdinsights.com/I7/I7_R2_PutinMeeting.htm

October 25
North Korea

James Clay Moltz, Russian Policy on the North Korean Nuclear Crisis, April 2003
(<http://cns.miis.edu/research/korea/ruspol.htm>)

November 1
India

Victor Kozlov, On the Prospects for Expanding Russian-Indian Nuclear Cooperation, Yadernyi Kontrol, Summer 2004.

November 8
Nonproliferation Initiatives

U.S.-Russia Joint Fact Sheet on the Global Initiative To Combat Nuclear Terrorism, July 15, 2006 (<http://www.state.gov/r/pa/prs/ps/2006/69016.htm>)

Ekaterina Rykovanova, International Nuclear Fuel Service Centers: Russian Proposal, Yadernyi Kontrol, Summer/Fall 2005.

November 15

Restructuring Russian Nuclear Industry

Oana Diaconu and Michael Maloney, Russian Commercial Nuclear Initiatives and US Nuclear Nonproliferation Interests, The Nonproliferation Review, Spring 2003, <http://cns.miis.edu/pubs/npr/vol10/101/101malon.pdf>

Nikolai Sokov, Reform of Russian Nuclear Industry Takes Shape, WMD Insights, April 2006, http://www.wmdinsights.com/I4/R3_ReformOfRussian.htm

Adam Stulberg, Nuclear Regionalism in Russia: Decentralization and Control in the Nuclear Complex, The Nonproliferation Review, Fall-Winter 2002, <http://cns.miis.edu/pubs/npr/vol09/93/93stul.pdf>

Yuriy Rummyantsev and Aleksei Kholodov, Conversion Challenges in Russian Nuclear Cities, The nonproliferation Review, Fall-Winter 2003, <http://cns.miis.edu/pubs/npr/vol10/103/103rummy.pdf>

Nikolai Sokov, Ukraine Considers Uranium Enrichment, WMD Insights, March 2006, http://www.wmdinsights.com/I3/R2_Ukraine_Considering.htm

November 22

Export Control

November 29

Nuclear Doctrines and Arms Control

December 6

Presentations

December 13

Presentations