

2. Non- Proliferation, Arms Control and International Security

- a. Credit Hours 3-0
- b. Course Code:SS-819
- c. Course Title

Non-Proliferation, Arms Control and International Security

d. **Course Description**

This course is designed for M. Phil Strategic Studies students to build their understanding of the core concepts and issues of nuclear Non-proliferation, Arms Control, and International Security. The course aims to lead the students to explore research areas for their dissertation in the fields of non-proliferation, arms control, and international security. Within this aim, the course focuses on the issues, problems, and strategies related to international security in the backdrop of the politics of nuclear proliferation and arms control. The course uses intellectual debates to hone the techniques of analyzing and researching national security dynamics in a world dictated by strategic uncertainty and fears of nuclear use. The course has been divided into the following five areas: International Security Dynamics; Nuclear Non-proliferation Regime and its Issues; Arms Control and Disarmament Theory, Practice, and related Issues; Challenges to International Security due to the above factors; Application of different concepts/aspects for conducting research in this field.

e. **Course Outcomes**

- Understand International Security in the context of nuclear proliferation and arms control
- Understand fundamental theories and academic perspectives on nuclear non-proliferation, arms control, and international security.
- Understand the politics and issues related to non-proliferation and arms control and how they affect international security
- Be able to present thoughts and arguments on non-proliferation and arms control in a coherent and logical manner

- Be able to analyze the related issues and conduct research on the same.

f. **Course Objectives**

The course "Non-Proliferation, Arms Control, and International Security" examines the role of disarmament, arms control, and non-proliferation in modern diplomacy. It examines their growing relevance and progress in global and regional agreements. The course investigates how globalization and WMDs affect arms control efforts in post-Cold War security discourse. Proliferation, rogue regimes, terrorism, and developing-world small weapons proliferation are all addressed. Cyber weapons and space-based systems represent new difficulties, and the course discusses international solutions, including the PSI, MPI, and other initiatives. Future arms control progress considerations include the development of new states and the changing character of conventional military force. Through conversations and analyses, students will understand international security in the context of weapons control and non-proliferation.

g. **Course Contents**

- Week 1:** Introduction to the course and the Key Concepts of Non-proliferation, Arms Control, and International Security.
- Week 2:** Nuclear Revolution; Atom for Peace and Nuclear Proliferation
- Week 3:** The Security Dilemma: Epistemological/Ontological Aspects of Security in World Politics
- Week 4:** The Proliferation Puzzle: Theory and Debate
- Week 5:** Nuclear Non-proliferation Regime: Structure and Politics
- Week 6:** Arms Control Theory: Structure and Treaties
- Week 7:** Arms Control vs Disarmament: Theory, Policies and Issues
- Week 8:** The Second Nuclear Age; Salient Features and Contemporary Nuclear Order NPT Review Conferences and Non-proliferation Dynamics
- Week 9:** ***Midterm Exam***
- Week 10:**
- From Proliferation to Counter-Proliferation
 - The Development of Counter-Proliferation Policy
 - Counter-proliferation and International Security

Week 11: The Spread of Nuclear Weapons and the Renewed Debate

Week 12: Pakistan and Non-proliferation Regime

Week 13: CTBT and FMCT: Understanding the Critical Issues.

Week 14: Specter of Nuclear Terrorism and International Security

Week 15:

- Nuclear Proliferation and Arms Control in the 21st Century
- Global Zero
- The Treaty on the Prohibition of Nuclear Weapons
- Arms Trade Treaty
- Nuclear Security Architecture

Week 16: *Final Exam*

h. **Recommended Readings**

- Kwong, J. (2024). Messaging and the bomb: public attitudes toward nuclear proliferation. *The Nonproliferation Review*, 1–29. <https://doi.org/10.1080/10736700.2024.2314832>
- Son, S., Ham, H., & Yim, M. S. (2024). How fear of entrapment shapes South Korean public opinion on conflicts with North Korea under US extended deterrence. *The Nonproliferation Review*, 1–26. <https://doi.org/10.1080/10736700.2024.2306020>
- Son, S., Ham, H., & Yim, M. S. (2024). How fear of entrapment shapes South Korean public opinion on conflicts with North Korea under US extended deterrence. *The Nonproliferation Review*, 1–26. <https://doi.org/10.1080/10736700.2024.2306020>
- Castelli, L., & Samuel, O. (2024). Justifying attacks on nuclear facilities. *The Nonproliferation Review*, 1–23. <https://doi.org/10.1080/10736700.2024.2301883>.
- Lawrence Livermore National Laboratory, *Global Security*, Nuclear Threat Reduction, September 2023, <https://gs.llnl.gov/nuclear-threat-reduction/nonproliferation-arms-control>.
- James M. Acton, Thomas Macdonald, Pranay Vaddi, Reimagining Nuclear Arms Control: A Comprehensive Approach (Carnegie Endowment for International Peace, December 16, 2021).

- Kroenig Matthew, *Exporting the Bomb: Technology Transfer and the Spread of Nuclear Weapons* (London and Cornell University Press, 2010).
- Rogers Paul, *Losing Control: Global Security in the 21st Century* (London: Pluto Press, March 2010).
- Paul T.V., *The Tradition of non-use of Nuclear Weapons*, (Stanford, California: Stanford University Press, 2009).
- Ganguly Sumit and Paul Kapur (eds.), *Nuclear Proliferation in South Asia: CrisisBehavior and the Bomb* (Oxon: Routledge, 2009).
- Krepon Michael, *Better Safe than Sorry: The Ironing of Living with the Bomb* (Stanford, California: Stanford University Press, 2009).
- Kapur S. Paul, *Dangerous Deterrent: Nuclear Weapons Proliferation and Conflict in South Asia* (Stanford University Press, 2008)
- Armstrong David ,*America and the Islamic Bomb: The Deadly Compromise* (Hanover, N.H. Steerforth Press, 2007).
- Krasner Stephen D. *Sovereignty: Organized Hypocrisy* (New Jersey: Princeton University Press, 1999).
- Mian Zia (ed.), *Pakistan's Atomic Bomb and the Search for Security* (Lahore: Gautam Publishers, 1995).
- Jervis Robert, *The Illogic of American Nuclear Strategy* (Ithaca: Cornell University Press, 1984).