



POLS 324
ISSUES IN NUCLEAR SECURITY POLICY
SPRING 2023

Instructor : Prof. Dr. MUSTAFA KİBAROĞLU

Class Hours: Tuesday 13:00 – 15:50

Classroom : A315 & Online

Office Hour: Tuesday 12:00 – 13:00

Course Description:

This course is supported by “The Stanton Foundation”, created by Dr. Frank Stanton, in Cambridge, Massachusetts, USA with a grant offered to Prof. Kibaroglu in 2015 as part of its “Course Development Program” in the field of Nuclear Security Studies.

MEF University is the first university outside of the U.S. and listed among the world’s best universities, such as Brown, Cornell, George Washington, Georgetown, Purdue, Lehigh, and Virginia Tech that received Stanton Foundation’s grant to date.

The primary objective of this course is to introduce the undergraduate students of the Political Science and International Relations Department to a number of existing and emerging threats posed to international security and stability in the 21st Century emanating from the presence as well as the development of nuclear weapons around the world.

In that context, dangers associated with the proliferation of nuclear weapons and their delivery vehicles, such as ballistic missiles; the current status of the nuclear non-proliferation regime and the NPT; the growing tension in the relations of the nuclear superpowers, namely the U.S. and Russia; military and political implications of Iran’s nuclear program for the Middle East; India’s and Pakistan’s nuclear capabilities and the arms race in the Sub-Continent; North Korea’s nuclearization and its implications for regional security in the Far East; safety and security problems that arise in connection with the nuclear arsenals in the former Soviet republics; illegal trafficking of nuclear material, know-how and technology used in the manufacture of nuclear weapons; and the possibility of unauthorized seizure of such material by terrorist groups and their possible implications for nuclear security will constitute the main themes of the course throughout the semester.

Course Requirements:

There are **three requirements** that must be fulfilled successfully to get a **passing grade**:

- **First** requirement is **regular attendance** as well as **active participation** in group discussions, which will count for **20%** of the students’ overall grade;
- **Second** requirement is to **read** the assigned journal **articles** and book **chapters** carefully, **before** coming to class, for a fruitful and meaningful *in class* discussion;
- **Third** requirement is to take the **Mid-Term Exam** on **04 April 2023** and the **Term Project** or the **Final Exam**, each of which will count for **40%** of the overall grade.

Reading Material:

Students will be provided with chapters and articles, which will be available on the Blackboard system and accessible through the websites designated below by Prof. Kibaroglu.

Recommended Web Portals:

<i>Arms Control Association</i>	www.armscontrol.org
<i>Bulletin of the Atomic Scientists</i>	www.bullatomsci.org
<i>Carnegie Endowment for International Peace</i>	carenegeendowment.org
<i>Center for Nonproliferation Studies</i>	cns.miis.edu
<i>Nuclear Threat Initiative</i>	www.nti.org
<i>Stockholm International Peace Research Institute</i>	www.sipri.org

Important Warning:

...Cheating in the exams will not be tolerated. Any improper behavior and academic dishonesty will be subject to the YÖK Disciplinary Regulation.

WEEKLY SCHEDULE

WEEK 01: Tuesday, February 07

Classes Cancelled

WEEK 02: Tuesday, February 14

Classes Cancelled

WEEK 03: Tuesday, February 21

...Topic: Proliferation of Nuclear Weapons: *Emergence of the Problem*

...Reading: Harald Muller, David Fischer and Wolfgang Kötter, *Nuclear Non-Proliferation and Global Order*, Oxford University Press, New York, 1994, pp. 15-30.

...Reading: Daryl Kimball, "NPT at 50: A Historical Timeline", *Arms Control Today*, June 2018

WEEK 04: Tuesday, February 28

...Topic: Proliferation of Nuclear Weapons: *Evolution of the Problem (cont'd)*

...Reading: Harald Muller, David Fischer and Wolfgang Kötter, *Nuclear Non-Proliferation and Global Order*, Oxford University Press, New York, 1994, pp. 15-30.

...Reading: Daryl Kimball, "NPT at 50: A Historical Timeline", *Arms Control Today*, June 2018

WEEK 05: Tuesday, March 07

...Topic: Proliferation of Nuclear Weapons: *Evolution of the Problem (cont'd)*

...Reading: David Kay, "The IAEA: How Can It Be Strengthened?" in Mitchell Reiss & Robert Litwak (Eds.), *Nuclear Proliferation After the Cold War*, J. H. U. Press, 1994, pp. 309-333.

...Reading: John Carlson, "Is the Additional Protocol 'Optional'?" www.nti.org.

WEEK 06: Tuesday, March 14

...Topic: Proliferation of Nuclear Weapons & Regions of Concern: *Middle East*

...Reading: Ephraim Asculai, "Nuclear Power in the Middle East," *Nonproliferation Review*, November 2012, Vol. 19, No. 3, pp. 391-400.

...Reading: Thomas Juneau & Sam Razavi, "Costly Gains: A Cost-Benefit Assessment of Iran's Nuclear Program," *Nonproliferation Review*, Feb-March 2018, Vol. 25, No: 1-2, pp. 69-86.

WEEK 07: Tuesday, March 21

...Topic: Proliferation of Nuclear Weapons & Regions of Concern: *Middle East (cont'd)*

...Reading: Mustafa Kibaroglu, "Good for the Shah, Banned for the Mullahs: The West and Iran's Quest for Nuclear Power," *Middle East Journal*, Spring 2006, Vol. 60, No. 2, pp. 207-232;

...Reading: Mustafa Kibaroglu, "Turkey's Quest for Peaceful Nuclear Power," *Nonproliferation Review*, Spring-Summer 1997, Vol. 4, No. 3, pp. 33-44;

WEEK 08: Tuesday, March 28

...Topic: Proliferation of Nuclear Weapons & Regions of Concern: *South Asia*

...Reading: Peter R. Lavoy, "Managing South Asia's Nuclear Rivalry: New Policy Challenges for the United States, *Nonproliferation Review*, Fall-Winter 2003, Vol. 10, No. 3, pp. 84-94.

...Reading: Ian Hall, "The Requirements of Nuclear Stability in South Asia," *Nonproliferation Review*, September-December 2014, Vol. 21 No. 3-4, pp. 355-371.

WEEK 09: Tuesday, April 04

MID-TERM EXAMINATION

WEEK 10: Tuesday, April 11

...Topic: Proliferation of Nuclear Weapons & Regions of Concern: *North East Asia*

...Reading: Alexander Mansourov, "The Origins, Evolution and Current Politics of the North Korean Nuclear Program," *Nonproliferation Review*, Vol. 2, No. 3, Spring-Sum 1995, pp. 25-38.

...Reading: "Advances in North Korea's Missile Program and What Comes Next", *Arms Control Today*, September 2017.

WEEK 11: Tuesday, April 18

...Topic: Prospects for Reversing Nuclear Proliferation

...Reading: Frank Blackaby, Joseph Rotblat, Jack Steinberger, and Bhalchandra Udgaonkar, *A Nuclear-Weapon-Free World: Desirable? Feasible?* Westview Press, 1993, pp. 52-82

...Reading: Mustafa Kibaroglu, "EURATOM & ABACC: Safeguard Models for the Middle East?" in Jan Prawitz & James F. Leonard (Eds.), *A Zone Free of Weapons of Mass Destruction in the Middle East*, UNIDIR Research Report No. 96/24, 1996, New York & Geneva, pp. 93-123.

WEEK 12: Tuesday, April 25

...Topic: Safety and Security of Nuclear Material and Technology

...Reading: John Shields and William C. Potter (eds.), *Dismantling the Cold War*, MIT Press, Cambridge, Massachusetts, 1997, pp. 1-39.

...Reading: David Albright, Frans Berkhout, William Walker, *Plutonium and Highly Enriched Uranium 1996*, Stockholm International Peace Research Institute, London, 1997, pp. 3-25.

WEEK 13: Tuesday, May 03

...Topic: Threat of Nuclear Terrorism: Hype or Real?

...Reading: Graham T. Allison, Owen R. Cote, Richard A. Falkenrath, Steven E. Miller, *Avoiding Nuclear Anarchy*, MIT Press, 1996, pp. 21-48.

...Reading: Lewis A. Dunn, "Defending Against Nuclear Terrorism: Future Threats and Concepts", in Osman Aytac and Mustafa Kibaroglu (Eds.), *Defense Against Weapons of Mass Destruction Terrorism*, IOS Press, Amsterdam, 2009, pp. 135-146.

WEEK 14: Tuesday, May 10

...Topic: Proliferation of Nuclear Weapons: *The Waltz-Sagan Debate*

...Reading: Scott D. Sagan and Kenneth N. Waltz, *The Spread of Nuclear Weapons: A Debate*, W. W. Norton Company, New York, 1995, pp. 1-92

...Video: Scott D. Sagan and Kenneth N. Waltz, *The Spread of Nuclear Weapons: A Debate*,

WEEK 15: Tuesday, May 17

...Topic: Measures to Counter the Threat of Nuclear Terrorism

...Reading: Kenneth C. Brill and John H. Bernhard, "Preventing Nuclear Terrorism: Next Steps in Building a Better Nuclear Security Regime," *Arms Control Today*, October 2017.

...Reading: Mustafa Kibaroglu, "Countering WMD Terrorism: Best Practices for Safeguarding the CBRN Material", in Haldun Yalçinkaya (Ed.), *Good Practices in Counter Terrorism*, Centre of Excellence Defence Against Terrorism, Ankara, 2021, pp. 105-126;



Prof. Dr. Mustafa Kibaroglu
Short Bio - March 2023

Prof. Dr. Mustafa Kibaroglu (Ph.D., Bilkent University, International Relations Dept, 1996) is currently the Dean of the Faculty of Economics, Administrative and Social Sciences, and the Director of the Center for International Security Studies and Strategic Research (MEF_Strategy) at MEF University in Istanbul. He used to be the Chair of the Department of International Relations at Okan University from 2011 to 2014.

From 1997 to 2011, Prof. Kibaroglu taught courses on “Arms Control and Disarmament” as well as “Turkish Foreign Policy” in the Department of International Relations at Bilkent University in Ankara where he also served as the Vice-Chair of the Department.

Prof. Kibaroglu was a Research Fellow at the United Nations Institute for Disarmament Research (UNIDIR) in Geneva (1995); an International Atomic Energy Agency (IAEA) Fellow at the University of Southampton (1996); a Post-doctoral Fellow at the Monterey Institute in California (1996/97); and Sabbatical Fellow at Belfer Center of Harvard University (2004/05).

Research interests of Prof. Kibaroglu are the proliferation of weapons of mass destruction, NATO, European security and defense policies, international terrorism, Middle Eastern politics, foreign policy analysis, and Turkish foreign policy.

Prof. Kibaroglu is the co-author (with Aysegül Kibaroglu) of *Global Security Watch – Turkey* (2009) by Praegers in the United States, and the co-editor of *Defence Against Weapons of Mass Destruction Terrorism* (2010), *Bioterrorism: Threats and Deterrents* (2010), *Responses to Nuclear and Radiological Terrorism* (2011), *Defence Against Terrorism* (2011), and *Analysis and Strategies to Counter the Terrorism Threat* (2011) by IOS Press in the Netherlands. He is also the author and co-author of chapters in books and articles in academic journals, such as *Security Dialogue*, *Nonproliferation Review*, *Bulletin of the Atomic Scientists*, *Middle East Quarterly*, *Middle East Journal*, *Brown Journal of World Affairs*, *Middle Eastern Studies*, *Korean Journal of Defense Analysis*, *Turkish Studies*, *Middle East Policy*, and *Journal of Balkan and Near Eastern Studies*.

From 2006 to 2013, Prof. Kibaroglu served as the Academic Advisor of the NATO Centre of Excellence Defence Against Terrorism (COE-DAT) as well as the Founding Editor-in-Chief of the *Defence Against Terrorism Review (DATR)* published by COE-DAT.

Since 2007, Prof. Kibaroglu is a Member of the Council of Pugwash Conferences on Science and World Affairs, the world-renowned 1995 Nobel Peace Prize winner think tank.

In 2015, Prof. Kibaroglu was awarded The Stanton Foundation Grant for Course Development on International and Nuclear Security.

From 2016 to 2019, Prof. Kibaroglu served as a Distinguished Member of the Sectoral Working Group of Roketsan Missile Industries.

Prof. Kibaroglu speaks French and English, and he is married to Prof. Dr. Aysegül Kibaroglu (MEF University, Political Science & International Relations) and has one son.