



POLS 324
ISSUES IN NUCLEAR SECURITY POLICY
SPRING 2017

Instructor : Prof. Dr. MUSTAFA KİBAROĞLU

Class Hours: Tuesday 15:00-17:50 (A307)

Office Hour: Tuesday 13:30-14:30 (5th Floor)

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 as part of its Course Development Program in the fields of International and Nuclear Security.

MEF University is the first university outside of the United States and it is listed among the world's best universities, such as Brown, Cornell, George Washington, Georgetown, Texas A&M, 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 to international security and stability in the 21st Century.

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 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.

One important distinguishing feature of this course will be the world-renowned scholars from the leading academic institutions who will be invited as guest lecturers to share their impeccable knowledge and experience in the above-mentioned topics with our students.

Reading Material:

Students will be provided with book chapters and journal articles written by the leading authorities in the field, which will be available in the Black Board system of MEF University, most of them will also be accessible on-line through the websites designated by Prof. Kibaroglu as well as his personal website (www.mustafakibaroglu.com).

Selected chapters from the following authors' books will constitute the essential readings:

..Albright, David, Frans Berkhout, William Walker, *Plutonium and Highly Enriched Uranium 1996*, Stockholm International Peace Research Institute, London, 1997

..Allison, Graham T., *Nuclear Terrorism: The Ultimate Preventable Catastrophe*, Times Books, New York, 2004

..Allison, Graham T., Owen R. Cote, Richard A. Falkenrath, and Steven E. Miller, *Avoiding Nuclear Anarchy*, The MIT Press, Massachusetts, MA., 1996

..Aytaç, Osman and Mustafa Kibaroglu (Eds.), *Defense Against Weapons of Mass Destruction Terrorism*, IOS Press, Amsterdam, 2009

- ..Blackaby, Frank, Joseph Rotblat, Jack Steinberger, and Bhalchandra Udgaonkar, *A Nuclear-Weapon-Free World: Desirable? Feasible?* Westview Press, Boulder, Colorado, 1993
- ..Fischer, David, *Towards 1995: The Prospects for Ending the Proliferation of Nuclear Weapons*, United Nations Institute for Disarmament Research, Dartmouth, 1993
- ..Muller, Harald, David Fischer, and Wolfgang Kotter, *Nuclear Non-Proliferation and Global Order*, Oxford University Press, London, 1994
- ..Prawitz, Jan and James F. Leonard (Eds.), *A Zone Free of Weapons of Mass Destruction in the Middle East*, UNIDIR Research Report, No. 96/24, New York & Geneva, 1996
- ..Reiss, Mitchell and Robert S. Litwak (Eds.), *Nuclear Proliferation After the Cold War*, Woodrow Wilson Center, Johns Hopkins University Press, Baltimore, 1994
- ..Sagan, Scott D., and Kenneth N. Waltz, *The Spread of Nuclear Weapons: A Debate*, W. W. Northon Company, New York, 1995
- ..Shields, John and William C. Potter (Eds.), *Dismantling the Cold War*, The MIT Press, Cambridge, Massachusetts, MA., 1997

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>	www.ceip.org
<i>Center for Nonproliferation Studies</i>	cns.miis.edu
<i>Center for Strategic and International Studies</i>	www.csis.org
<i>Comprehensive Test Ban Treaty Organization</i>	www.ctbto.org
<i>Council on Foreign Relations</i>	www.cfr.org
<i>Federation of American Scientists</i>	www.fas.org
<i>Henry L. Stimson Center</i>	www.stimson.org
<i>International Atomic Energy Agency</i>	www.iaea.org
<i>International Institute for Strategic Studies</i>	www.iiss.org
<i>Nuclear Suppliers Group</i>	www.nsg-online.org
<i>Nuclear Threat Initiative</i>	www.nti.org
<i>The Stanton Foundation</i>	www.thestantonfoundation.org
<i>Stockholm International Peace Research Institute</i>	www.sipri.se
<i>Union of Concerned Scientists</i>	www.ucsusa.org

Course Requirements:

There are basically three requirements that must be fulfilled successfully by the students to get a passing or a higher letter grade.

First requirement is to attend classes and to participate in class discussions, which will count for 10% of students' overall grade. Students will be expected to read the assigned articles and chapters before coming to class for a fruitful discussion in the classroom;

Second requirement is to take the Mid-Term Exam on 02 May 2017, which will count for 40% of students' overall grade;

Third requirement is to participate in a Policy Research Project (PRP) that will require a good deal of research, which will count for 50% of students' overall grade.

For completing the PRP successfully, students will be expected to conduct comprehensive research on the current as well as the would-be positions of a number of countries (from North America, Europe, Middle East, Latin America, Africa, and the Asia-Pacific, each to be undertaken by different students) with respect to the issues that will be debated in the run up to and during the 2020 NPT Review Conference.

Progress reports about the PRP will have to be submitted to the instructor every three weeks and an in-class presentation will have to be made at the end of the semester, most possibly during the week of the final exams.

Important Warning:

- ...Cheating during the Mid-Term Exam will NOT be tolerated.
- ...Students will not be allowed to use any audio-visual electronic recording devices during the class discussions, unless otherwise permission is given by the Instructor.
- ...Those responsible for acts of cheating or unauthorized recording will be subject to disciplinary rules of MEF University beyond getting an "F" grade from the course.

WEEKLY SCHEDULE:**WEEK 01: Tuesday, February 7**

- ...Topic: General introduction to the course topics and the PRP
- ...Reading: Syllabus

WEEK 02: Tuesday, February 14

- ...Topic: Proliferation of Nuclear Weapons: *Emergence and Evolution of the Problem*
- ...Reading: David Fischer, *Towards 1995: The Prospects for Ending the Proliferation of Nuclear Weapons*, United Nations Institute for Disarmament Research, Dartmouth, 1993, pp. 3-15.
- ...Reading: Harald Muller, David Fischer and Wolfgang Kötter, *Nuclear Non-Proliferation and Global Order*, Oxford University Press, New York, 1994, pp. 15-30.

WEEK 03: Tuesday, February 21

- ...Topic: Proliferation of Nuclear Weapons: *Emergence and Evolution of the Problem (cont'd)*
- ...Reading: David Fischer, *Towards 1995: The Prospects for Ending the Proliferation of Nuclear Weapons*, United Nations Institute for Disarmament Research, Dartmouth, 1993, pp. 55-96.
- ...Reading: David Kay, "The IAEA: How Can It Be Strengthened?", in Mitchell Reiss and Robert S. Litwak (Eds.), *Nuclear Proliferation after the Cold War*, Woodrow Wilson Center, Johns Hopkins University Press, Baltimore, 1994, pp. 309-333.
- ...Reading: John Carlson, "Is the Additional Protocol 'Optional'?" www.nti.org.

WEEK 04: Tuesday, February 28

- ...Topic: Proliferation of Nuclear Weapons: *Regions of Concern*
- ...Reading: Shai Feldman, *Nuclear Weapons and Arms Control in the Middle East*, MIT Press, Cambridge, Massachusetts, 1997, pp. 39-93.
- ...Reading: Muhammad Ismail, "Iran's Nuclear Program: Regional Implications & Possible Outcomes", *Asian Politics & Policy*, Policy Studies Organization, Vol. 7, No. 2, 2015, pp. 245-263.

WEEK 05: Tuesday, March 07

- ...Topic: Proliferation of Nuclear Weapons: *Regions of Concern*
- ...Reading: Peter R. Lavoy, "Managing South Asia's Nuclear Rivalry: New Policy Challenges for the United States, *Nonproliferation Review*, Center for Nonproliferation Studies, Monterey, CA, Vol. 10, No. 3, Fall-Winter 2003, pp. 84-94 (updates available on-line).
- ...Reading: Alexander Mansourov, "The Origins, Evolution and Current Politics of the North Korean Nuclear Program", *Nonproliferation Review*, Center for Nonproliferation Studies, Monterey, CA, Vol. 2, No. 3, Spring-Summer 1995, pp. 25-38 (updates available on-line).

WEEK 06: Tuesday, March 14

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

...Topic: Proliferation of Nuclear Weapons: *Prospects for Reversing Proliferation (cont'd)*
...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 and 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 07: Tuesday, March 21

...Topic: Safety and Security of WMD Related 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.
...Reading: *Plutonium: Management and Disposition of Excess Weapons*, National Academy of Sciences, Washington, D. C., 1994, pp. 1-18.

WEEK 08: Tuesday, March 28

...Topic: Safety and Security of WMD Related Material and Technology
...Reading: Matthew Bunn, *Securing the Bomb 2008*, Harvard University & Nuclear Threat Initiative, Cambridge, MA, & Washington DC, 2008, pp. v-xix (updates available on-line).
...Reading: William C. Potter and Elena Sokova, "Illicit Nuclear Trafficking in the NIS: What's New? What's True?", *Nonproliferation Review*, Center for Nonproliferation Studies, Monterey, CA, Vol. 9, No. 2, Summer 2002, pp. 112-120 (updates available on-line).

WEEK 09: Tuesday, April 04

...Topic: Threat of Terrorism with Nuclear Weapons and Countermeasures
...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 Aytaç and Mustafa Kibaroglu (Eds.), *Defense Against Weapons of Mass Destruction Terrorism*, IOS Press, Amsterdam, 2009, pp. 135-146.

WEEK 10: Tuesday, April 11

...Topic: NPT Review Conferences: Past, Present & Future
...Guest Lecturer: Prof. Dr. Harald Muller, Frankfurt University

WEEK 11: Tuesday, April 18

...Topic: Safety and Security of Nuclear Material & Threat of Nuclear Terrorism
...Guest Lecturer: Prof. Dr. William C. Potter, Monterey Institute, California

WEEK 12: Tuesday, April 25

...Topic: Advance of Populist Politics on the Future of the Nuclear Nonproliferation Regime
...Guest Lecturer: Prof. Dr. Steve Miller, Harvard University

**WEEK 13: Tuesday, May 02
MIDTERM EXAMINATION**

WEEK 14: Tuesday, May 10

...Topic: Impact Nuclear Security Policies on the Future of Peaceful Uses of Nuclear Energy
...Guest Lecturer: Mr. William Magwood, Director General, Nuclear Energy Agency, OECD



Résumé of Prof. Dr. Mustafa Kibaroglu

Prof. Dr. Mustafa Kibaroglu (Ph.D., Bilkent University, International Relations Department, 1996) is currently the Chair of the Department of Political Science & International Relations, Director of the Institute of 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 Department of International Relations at Okan University in Istanbul between September 2011 and July 2014.

Prof. Kibaroglu taught courses on “Arms Control & Disarmament”, “Turkish Foreign Policy” and “Middle East Security” in the Department of International Relations at Bilkent University in Ankara from 1997 to 2011 where he was the Vice-Chair of the Department.

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

Prof. Kibaroglu is the co-author 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 Netherlands. He is also the author and co-author of numerous 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*.

Prof. Kibaroglu used to be the Academic Advisor of the NATO Centre of Excellence Defence Against Terrorism (COE-DAT) between January 2006 and January 2013. In the meantime he was the Editor-in-Chief of *Defence Against Terrorism Review* (DATR) published by COE-DAT.

Prof. Kibaroglu is a Council Member of the 1995 Nobel Peace Prize winner Pugwash Conferences on Science and World Affairs since October 2007. He is also a Distinguished Member of Sectoral Working Group at the ROKETSAN Missile Industries since February.

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