

## **Nuclear Nonproliferation and Security in the 21<sup>st</sup> Century**

**Dr. Azriel Bermant**

**Tel: 0506 507920**

**azrielb@tauex.tau.ac.il**

This course will examine the major international security challenges facing the world today. It will use both empirical and theoretical materials to study the evolution of these challenges, from the cold war to the present day. The course will discuss the challenge that ballistic missile and nuclear proliferation poses to the stability of the international system and will include an analysis of Israel's nuclear policy, the Iran nuclear weapons program, the conflict between India and Pakistan and the situation on the Korean Peninsula. There will also be an examination of arms control efforts in the Middle East. The course is designed to enable students to gain a more comprehensive understanding of the fast-paced developments in the field of international security. The course will include guest lecturers, the screening of films to illustrate the themes under examination and interactive class discussions.

### **Grade Composition:**

**Full attendance is required**

25% - Course participation

25% - Mid-term multiple choice examination

50% - Final paper

### **Course Outline and Reading List**

**Lesson One - Introduction: Course Overview: Nuclear Nonproliferation and Security**

#### **Readings:**

Andrew Futter, "The Politics of Nuclear Weapons", (Sage: London, 2015), pp.13-25

## **Lesson Two: Nuclear Deterrence – Lessons from the Cold War**

### **Readings:**

Patrick M. Morgan, “Deterrence Now”, (Cambridge University Press), pp. 1-42

\* Bernard Brodie, “The Anatomy of Deterrence”, *World Politics*, Vol. 11, No. 2 (Jan., 1959), pp. 173-191

## **Lesson Three: The Changing International System and its Impact on Nuclear Proliferation**

### **Readings:**

Y. Evron, “Changes in the International System and their Impact on Proliferation”, *The Nuclear Nonproliferation Regime at a Crossroads*, Emily B. Landau and Azriel Bermant (eds), 2014, INSS Memorandum No.137, pp.135-144

\*John Mearsheimer, “Why We Will Soon Miss the Cold War”, *The Atlantic*, August 1990

\* John Mearsheimer, “Back to the Future: Instability in Europe After the Cold War”, *International Security*, Volume 15, Number 1, Summer 1990, pp. 5-56

## **Lesson Four: The United States, NATO and Russia**

### **Readings:**

George P. Shultz, William J. Perry, Henry A. Kissinger and Sam Nunn, “Deterrence in the Age of Nuclear Proliferation”, *The Wall Street Journal*, 7 March 2011

Strobe Talbott, ‘U.S.-Russia arms control was possible once—is it possible still?’, Brookings Institution, December 12, 2017

<https://www.brookings.edu/blog/order-from-chaos/2017/12/12/u-s-russia-arms-control-was-possible-once-is-it-possible-still/>

\*John Lewis Gaddis, “The Cold War”, (Penguin Books: London), pp.195-237

\* Matthew Kroenig & Walter B. Slocombe, "Why Nuclear Deterrence Still Matters to NATO", *Issue Brief*, Atlantic Council, August 2014

## **Lesson Five: The United States, NATO and Russia**

**Film Screening:** *Thirteen Days*

## **Readings:**

Scott Sagan, 'Why do States Build Nuclear Weapons? Three models in search of the bomb', *International Security*, 21:3 (1996-7)

## **Lesson Six: Nuclear Weapons Proliferation - South Asia**

### **Readings:**

Sumit Ganguly and S. Paul Kapur, "India, Pakistan and the Bomb: Debating Nuclear Stability in South Asia" (New York: Columbia University Press, 2010), pp.23-35

\* Azriel Bermant, "Pakistan: Reducing the Risks of a Nuclear Disaster" in Emily B. Landau and Anat Kurz (eds) *Arms Control and National Security: New Horizons* (Tel Aviv: Institute for National Security Studies, April 2014), pp.31-42

## **Lesson Seven: Nuclear Weapons Proliferation - The case of North Korea**

### **Readings:**

Andrew Futter, "The Politics of Nuclear Weapons", (Sage: London, 2015), pp.120-124

\* Denny Roy (2010) "Parsing Pyongyang's Strategy", *Survival*, 52:1, 111-136

## **Lesson Eight: The Prospect of Nuclear Proliferation in the Middle East**

### **Readings:**

Andrew Futter, "The Politics of Nuclear Weapons", (Sage: London, 2015), pp.124-128

Kenneth Waltz, "Why Iran Should Get the Bomb", *Foreign Affairs*, July/August 2012, Volume. 91, No. 4, pp.2-6

\*Emily Landau, "When Neorealism Meets the Middle East: Iran's Pursuit of Nuclear Weapons in (Regional) Context", *Strategic Assessment*, Vol. 15, No.3, October 2012, pp.27-38

## **Lesson Nine: Israel's Policy**

### **Readings:**

Andrew Futter, "The Politics of Nuclear Weapons", (Sage: London, 2015) pp. 111-115

Avner Cohen and Marvin Miller, "Bringing Israel's Bomb out of the Basement: Has Nuclear Ambiguity Outlived its Shelf Life?" *Foreign Affairs*, September-October 2010.

\*Bermant, Azriel, "Margaret Thatcher and the Middle East", Cambridge University Press: New York, 2016, pp.44-57

## **Lesson Ten:**

### **Class Discussion: *Is A Nuclear Iran Inevitable?***

### **Readings:**

Ari Shavit, "My Promised Land: The Triumph and Tragedy of Israel", Random House: New York, 2013, pp.365-383

## **Lesson Eleven: Arms Control Regimes – Successes and Failures**

### **Readings:**

Andrew Futter, "The Politics of Nuclear Weapons", (Sage: London, 2015), pp. 140-146

\*Joseph S. Nye, Jr., "NPT: The Logic of Inequality" *Foreign Policy* (59, Summer 1985) pp. 123- 131.

\*Carlo Masala, "Don't Beat a Dead Horse: The Past, Present, and Future Failures of the NPT", *The Nuclear Nonproliferation Regime at a Crossroads*, Emily B. Landau and Azriel Bermant (eds), 2014, INSS Memorandum No.137, pp.45-54

## **Lesson Twelve: Nuclear Disarmament**

### **Readings:**

Andrew Futter, "The Politics of Nuclear Weapons", (Sage: London, 2015) pp. 172-186

\* Brad Roberts, "Ban the Bomb or Bomb the Ban? Next Steps on the Ban Treaty", European Leadership Network, March 2018

\* Tom Sauer, “Whether you like it or not, the Nuclear Ban Treaty is here to stay”, European Leadership Network, March 2018

### **Lecture Thirteen: Arms Control Negotiations in the Middle East**

#### **Readings:**

Emily Landau, “ACRS: what worked, what didn't, and what could be relevant for the region today”, Disarmament Forum, no. 2, 2008, pp.13-20

Patricia Lewis, “A Middle East free of nuclear weapons: possible, probable or pipe-dream?”, *International Affairs* 89: 2 (2013) 433–450

\* Peter Jones, “Negotiating regional security and arms control in the Middle East: the ACRS experience and beyond”, *Journal of Strategic Studies*, 26:3, 2003, 137-154

### **Lesson Fourteen: The Chemical and Biological Weapons Threat**

#### **Readings:**

Joseph Cirincione, Jon B. Wolfsthal and Miriam Rajkumar, *Deadly Arsenal: Nuclear, Biological and Chemical Threats*, (Carnegie Endowment for International Peace: Washington DC, 2005), pp.329-364

### **Lesson Fifteen: Missile Defence – A Threat to Strategic Stability?**

#### **Readings:**

Andrew Futter, “The Politics of Nuclear Weapons”, (Sage: London, 2015) pp. 146-149

Dean A. Wilkening (2000) “Introduction: Ballistic Missile Defense and Strategic Stability”, 40:334, 5-8, Oxford University Press for the International Institute of Strategic Studies, 2000, (Adelphi Paper 334)

\* Azriel Bermant, “The Russian and Iranian Missile Threats: Implications for NATO Missile Defense”, *INSS Memorandum* No.143, November 2014, pp.13-33, 65-69

## **Lesson Sixteen - Missile Defence: Iron Dome, David's Sling and the Arrow**

### **Readings:**

Azriel Bermant and Emily B. Landau, "Iron Dome Protection: Missile Defense in Israel's Security Concept" in Anat Kurz and Shlomo Brom (eds), in *The Lessons of Operation Protective Edge* (Tel Aviv: Institute for International Security Studies, November 2014), pp.37-42

## **Lesson Seventeen – Missile Defence: The Case of Israel**

**Guest Speaker: Uzi Rubin** (TBC)

### **Reading:**

Andrew Futter, "The Politics of Nuclear Weapons", (Sage: London, 2015), pp. 191-208; 211-214

## **Lesson Eighteen**

**Class Discussion: *The Greatest Threats to International Security in the Coming Decade***

### **Readings:**

George P. Shultz, William J. Perry, Henry A. Kissinger and Sam Nunn, "Toward a Nuclear-Free World", *Wall Street Journal*, 15 January 2008

## **Lesson Nineteen - The Future of Nuclear Deterrence**

**Film Screening: *Dr. Strangelove*** (TBC)

### **Readings:**

Steven Pifer, 'A Realist's Rationale for a World without Nuclear Weapons' in "The War that Must Never be Fought" James Goodby and George P. Shultz (eds), Hoover Press, 2015, pp. 81-107

## Lesson Twenty – Ongoing and Future Challenges/The Future of Nuclear Deterrence

**\*Optional**