## 2.1. Course Outline

<table>
<thead>
<tr>
<th>Topic</th>
<th>Course Outline</th>
<th>Lecturer</th>
<th>Academic hours</th>
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<tbody>
<tr>
<td></td>
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<td>Lectures</td>
</tr>
<tr>
<td>November 6</td>
<td>14.30-15.50</td>
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<td>November 6</td>
<td>16.00-17.20</td>
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<tr>
<td>Topic 2. Introduction to Modern Arms Control and Disarmament Issues.</td>
<td>Lecture 2.1. Introduction to modern arms control and disarmament problems.</td>
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<td>November 14</td>
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<td>Acad. Arbatov</td>
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<td>Topic 5. Arms Control and Disarmament in outer space</td>
<td>Lecture 5.1. Space activity in the world: the modern stage. Militarization of outer space.</td>
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<td>December 5</td>
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Test № 1
### Topic 6. Current challenges and Future of Strategic Stability, Arms Control and Disarmament

<table>
<thead>
<tr>
<th>TBA</th>
<th>Meeting with Russian MFA.</th>
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### Topic 7. Biological Weapons

<table>
<thead>
<tr>
<th>December 12</th>
<th>Lecture 7.1. Biological Weapons and Biological Weapons Convention. Dr. Malov</th>
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### Topic 8. Legal aspects of Arms Control and Disarmament

<table>
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<tr>
<th>December 12</th>
<th>Lecture 8.1. Legal and institutional framework of missile technology control regime. Dr. Malov</th>
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</table>

### Topic 9. Multilateral Approaches to Disarmament

<table>
<thead>
<tr>
<th>December 18</th>
<th>Seminar 9.1. Comprehensive Test Ban Treaty. Dr. Malov</th>
<th>2</th>
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<tbody>
<tr>
<td>December 18</td>
<td>Lecture 9.1. UN Disarmament Machinery. Fissile Material Cutoff Treaty. Dr. Malov</td>
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### Topic 1. Chemical Weapons

**November 6, Wednesday, 14.30-15.50**


### Topic 3. Chemical and Biological Weapons

**Summary:** History and current status of Chemical Weapons Convention.

**November 6, Wednesday. 16.00-17.20**


**Summary:** History and current status of Chemical Weapons Convention.

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**Essential Readings**

- [The Chemical Weapons Convention](https://www.opcw.org)

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**Web resources**

- Organisation for the prohibition of chemical weapons [https://www.opcw.org/](https://www.opcw.org/)
### Topic 2. Introduction to Modern Arms Control and Disarmament Issues
#### November 14, Thursday, 17.30-18.50

**Lecture 2.1. Introduction to modern arms control and disarmament problems**

**Gen. Evgeny P. Buzhinskiy**

**Summary:** Definition of disarmament and arms control. Arms control in the context of nonproliferation, disarmament, strategic stability and global security. Conventional and strategic weapons.

**November 14, Thursday, 19.00-20.20**

**Lecture 2.2. Nuclear triad and other nuclear delivery systems**

**Gen. Evgeny P. Buzhinskiy**

**Summary:** Components of a strategic nuclear triad, non-strategic nuclear weapons, modernization of nuclear weapons, orbital weapons, nuclear torpedo and hypersonic glide vehicles.

**Essential Readings**


**General Readings**

- [Practical Steps of the Russian Federation towards Nuclear Disarmament, 2015](#)
- [Nuclear Disarmament Introduction. NTI](#). August 26, 2016

**Web resources**

- PIR Center Project “Ways Towards Nuclear Disarmament”
- Center for Arms Control, Energy and Environmental Studies [http://armscontrol.ru](http://armscontrol.ru)

### Topic 3. History, current state and prospects of bilateral nuclear arms control and nuclear reductions
#### November 21, Thursday, 17.30-18.50

**Lecture 3.1. History of nuclear arms control and nuclear reductions.**

**Gen. Evgeny P. Buzhinskiy**

**Summary:** Strategic Arms Limitation Treaties (SALT I and SALT II); Intermediate-Range Nuclear Forces Treaty (INF Treaty); Strategic Arms Reduction Treaties (START-1 and START-2); Treaty on Strategic Offensive Reductions (SORT 2002); 2010 Strategic Arms Reductions Treaty (New START (START III))
Essential Readings

- Evgeny Buzhinsky The Future on Dialogue on BMD, INF Forces and Conventional Forces in Europe in the Light of Warsaw NATO Summit Results *Russia Confidential*, Issue No 5 (233), July 2016

General Readings

- *Strategic Arms Limitation Talks (SALT I)*, July 1, 1968
- *Strategic Arms Limitation Talks II (SALT II)*, June 18, 1979
- *Strategic Offensive Reductions Treaty (SORT)*. June 1, 2003

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<tr>
<th>November 21, Thursday, 19.00-20.20</th>
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<tr>
<td>Lecture 3.2. Arms control and Missile defence.</td>
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</table>


Essential Readings

- *Anti-Ballistic Missile Treaty Chronology*. FAS

General Readings

- *Joint Statement Concerning the Anti-Ballistic Missile Treaty*, 1995
- *Missile Defense: The First Seventy Years pamphlet*. Missile Defense Agency
- *Soviet Strategic Defense Programs*, October 1985. FAS

**Topic 4. Concept of Strategic Stability**

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Lecture 4.2. Nuclear weapons in foreign policy and military strategies of nuclear weapon states.  

**Summary:**

**Essential Readings**


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**Topic 5. Arms Control and Disarmament in Outer Space**

**December 5, Thursday, 17.30-18.50**

Lecture 5.1. Space activity in the world: the modern stage. Militarization of outer space  

**Summary:** Current international legal framework of outer space use, initiatives on and prospects of arms control in outer space.

**Essential Readings**

- Anatoly Antonov. [Military Use of Space](#). *Russia Confidential*, Issue № 8 (188), Vol.11. August 2012
- [Outer space treaty](#). January 27, 1967
- [Proposed Prevention of an Arms Race in Space (PAROS) Treaty](#). NTI
- Convention on the Registration of Objects Launched in Outer Space ([Launch registration convention](#)). NTI

**General Readings**

- [Acquisition of Space Systems](#), Volume 7. Past Problems and Future Challenges.
- A Ferreira-Snyman. *Selected legal challenges relating to the military use of outer space, with specific reference to article iv of the outer space treaty*. SAFLII

**Web resources**

- [UN Office for Outer Space Affairs](https://www.un.org/Depts/los/)
- [Outer space](https://www.criticalwill.org/) RDF

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**Topic 7. Biological Weapons**

**December 12, Thursday, 17.30-18.50**

*Lecture 7.1. Biological Weapons and Biological Weapons Convention*  
*Dr. Andrey Malov*

**Summary:**

- **Essential Readings**
- **General Readings**
- **TBA**

**Topic 8. Legal aspects of Arms Control and Disarmament**
### December 12, Thursday, 19.00-20.20

**Lecture 8.1.** Legal and institutional framework of missile technology control regime  
**Dr. Andrey Malov**

**Summary:**

- **Essential Readings**
- **General Readings**
- **TBA**
- **Web resources**

### Topic 9. Multilateral Approaches to Disarmament

**December 18, Wednesday, 14.30-15.50**

**Seminar 9.1.** Comprehensive Test Ban Treaty  
**Dr. Andrey Malov**

**Summary:**

- **Essential Readings**
- **General Readings**
- **TBA**
- **Web resources**

**December 18, Wednesday, 16.00-17.20**

**Lecture 9.1.** UN Disarmament Machinery. Fissile Material Cutoff Treaty.  
**Dr. Andrey Malov**

**Summary:**

- **Essential Readings**
- **General Readings**
- **TBA**
- **Web resources**

### Test № 2