

# SPST640

**STUDENT WARNING:** This course syllabus is from a previous semester archive and serves only as a preparatory reference. Please use this syllabus as a reference only until the professor opens the classroom and you have access to the updated course syllabus. Please do NOT purchase any books or start any work based on this syllabus; this syllabus may NOT be the one that your individual instructor uses for a course that has not yet started. If you need to verify course textbooks, please refer to the online course description through your student portal. This syllabus is proprietary material of APUS.

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## Course Summary

### Description

**Course Description:** This course will examine the importance of international space cooperation and diplomacy, enabling all nations, states, and consortiums to enjoy the benefits of space technology and ensuring the safety, stability, and security of outer space. Students will work in teams or individually and think critically about the importance of cooperating with both allies and if necessary, adversaries, to develop potential solutions to the world's most critical and complex problems in space. Some of the topics of discussion will include the history of civilian and military space development; the ongoing debate on weapons in space; the past and current policy and guidance on space activities; the current threats to the safety and stability of space operations; the types of International cooperation; and a discussion of the cooperation strategies the US should pursue.

#### Course Scope:

At the end of this course, you will be able to discuss the various treaties and agreements that govern the access to, and operating in, the space environment. In addition, you will be able to think critically about the importance of cooperating with both allies and if necessary, adversaries, and develop solutions to the world's most critical and complex problems in space.

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### Objectives

These are the course objectives:

CO-1: Analyze the history of civilian and military space development.

CO-2: Examine space diplomacy from the beginning of the Space Age to today.

CO-3: Differentiate the U.S. National Space Policy's guidelines on national diplomacy.

CO-4: Examine policies, treaties, and agreements associated with space access and space activities.

CO-5: Assess the current threats to the safety, stability, and security of space.

CO-6: Differentiate the goals, strategies, objectives, and treaty-signing preferences of emerging space-faring nations

CO-7: Analyze potential ramifications of failed diplomacy to national security.

CO-8: Prepare effective diplomatic strategies for the U.S. to employ.

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## Outline

### Week 1: The Importance of Space

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#### Learning Objectives

CO-1: Analyze the history of civilian and military space development.

CO-5: Assess the current threats to the safety, stability, and security of space.

#### Readings

##### Readings:

Outer Space: Weapons, Diplomacy, and Security, Chapters 1 - 2

#### Assignment

#### Forum#1

### Week 2: History of Space Diplomacy

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#### Learning Objectives

CO-2: Examine space diplomacy from the beginning of the Space Age to today.

#### Readings

##### Articles:

*Policy, Influence & Diplomacy: Space as a National Power Element* Chapters 3, 4 and 5 only

*U.S.-Soviet Cooperation in Space: A Case Study*

Assignment

Forum #2

### **Week 3: Foundational Space Treaties and Agreements**

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Learning Objectives

CO-2: Examine space diplomacy from the beginning of the Space Age to today.

CO-4: Examine policies, treaties, and agreements associated with space access and space activities

Readings

Readings:

*1967 Outer Space Treaty and its associated treaties/  
agreements/  
conventions*

*The Evolution of the Outer Space Treaty*

*Power Point: Space Treaties*

Assignment

Forum #3

**Short Paper Due**

### **Week 4: U.S. Space Policy Guidance and the Debate on Weapons in Space**

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Learning Objectives

CO-3: Differentiate the U.S. National Space Policy's guidelines on national diplomacy.

CO-4: Examine policies, treaties, and agreements associated with space access and space activities

CO-5: Assess the current threats to the safety, stability, and security of space.

Readings

Readings:

Outer Space: Weapons, Diplomacy, and Security, Chapter 4

*2006 and 2010 U.S. National Space Policies*

*Power Point: National Space Policy*

Assignment

Forum #4

**Vote to complete research paper individually or as part of a 2-3 person team**

**Midterm Exam**

### **Week 5: The Current Diplomatic Environment**

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## Learning Objectives

CO-4: Examine policies, treaties, and agreements associated with space access and space activities

CO-5: Assess the current threats to the safety, stability, and security of space.

## Readings

Readings:

Outer Space: Weapons, Diplomacy, and Security, Chapter 5-6

*International Code of Conduct for Outer Space (ICoC)*

*China's National Defense white paper, outer space, and the PPWT*

**Power Point: PPWT and ICoC**

## Assignment

Forum #5

## **Week 6: Emerging Space Powers and their Potential Impact on Space Diplomacy**

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## Learning Objectives

CO-6: Differentiate the goals, strategies, objectives, and treaty-signing preferences of emerging space-faring nations.

## Readings

Readings:

*INDO-US Space Cooperation*

*Space Governance and International Cooperation*

## Assignment

Forum #6

**Diplomatic Challenge Paper**

## **Week 7: Diplomatic Strategies**

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## Learning Objectives

CO-7: Analyze potential ramifications of failed diplomacy to national security.

CO-8: Prepare effective diplomatic strategies for the U.S. to employ.

## Readings

Readings:

*Military Space Cooperation*

*Enhancing Space Security*

*by Improving Stakeholder*

*Cooperation*

Assignment

Forum #7

Research Paper Due

## **Week 8: Future Challenges**

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Learning Objectives

CO-7: Analyze potential ramifications of failed diplomacy to national security.

CO-8: Prepare effective diplomatic strategies for the U.S. to employ.

Readings

Readings:

*China's Outer Space Programme*

*Mining in Space: The Next Frontier*

Assignment

Forum #8

Final Exam

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## **Evaluation**

Your efforts in this course will be evaluated based upon the following:

\*\* Forum postings

\*\* Short Paper: 8-10 pages on U.S. Soviet relations in the early days of the Space Age

\*\* *Diplomatic Challenge: 2-3 pages on America's major diplomatic challenge*

\*\* *Midterm Exam: Covers all materials from weeks 1-4*

\*\* *Research Paper: 15-18 pages on your draft for a space proposal*

\*\* *Final Exam: Covers all materials from weeks 5-8*

**TASK**

**PERCENT**

**Forums / Participation**

**25**

<b>Short Paper</b>	<b>15</b>
<b>Diplomatic Challenge Paper</b>	<b>10</b>
<b>Midterm</b>	<b>15</b>
<b>Research Paper</b>	<b>20</b>
<b>Final Exam</b>	<b>15</b>
<b>TOTAL</b>	<b>100</b>

### Forums/Participation

There will be 8 Forum topics, one each week. Forums make up 25 percent of your grade.

One of the most important aspects of a graduate class is conversation. Thus the forum topics are designed for developing ideas, entering into dialogue with the instructor and/or your classmates on a variety of topics related to the course. The topics offer some initial comments or questions to initiate responses. Although original thoughts on every topic are not required, each student should strive to include original thoughts or opinions on a majority of the topics. The idea is engagement and discussion. Your comprehension of assigned readings will be reflected in your ability to discuss key course concepts.

Use proper paragraphs, spelling, grammar, punctuation, etc. You will earn 100 points for multiple, engaged, substantive participation (including a minimum of 250 words for your initial response and a minimum of 100 words for at least two student responses); 85-95 points for multiple, not as substantive or engaged participation, or minimal substantive or mixed participation. Participation that is not active may range from 70-85 points. No participation earns 0 points.

### Short Paper

Each student is to submit a 6-8 page paper on the diplomatic relations between the U.S. and the Soviet Union in the early days of the Space Age. You must also cite at least 5 references. This is a graduate level course and a paper commensurate with graduate level work is expected. The paper must be written IAW Turabian guidelines and uploaded to Turnitin. Details are located in the Assignments Tab.

Although you are welcome to include graphs, photos, charts, etc. they will NOT count toward the minimum requirement of 6 pages of narrative. The paper is worth 15 percent of your overall grade.

### Diplomatic Challenge

This will be a 2-3 page paper that briefly summarizes what you consider to be America's major challenge in outer space and provide your diplomatic solution. The paper is worth 10 percent of your grade. Instead of the challenge being China or Russia's space capabilities, be creative. The format I am looking for is: 1) identify a challenge (1-2 paragraphs); 2) explain why this is a challenge (2-3 paragraphs); and 3) provide your diplomatic solutions/recommendations (2-3 paragraphs).

This is a graduate level course and a paper commensurate with graduate level work is expected. The paper must be written IAW Turabian guidelines.

### Research Paper

The research paper will be 12-15 pages of text on your ideas for an international space proposal. Recommend whether the U.S. should propose a legally-binding treaty or a politically-binding agreement and why? Also include some key tenets and capabilities the U.S. should include in such a proposal. The paper must include at least 12 separate references.

Although you are welcome to include graphs, photos, charts, etc. they will NOT count toward the minimum requirement of 12 pages of narrative. The students will decide NLT the end of week 4 whether they want to write the paper individually or as part of a team (assuming there are enough students enrolled).

This paper is worth 20 percent of your overall grade. This is a graduate level course and a paper commensurate with graduate level work is expected. All sources of information must be footnoted and selected bibliography of all sources used or referenced expected.

### Turnitin

- Use for the two papers
- The ID and Password are provided in the Week 1 Announcement
- Students who fail to upload their papers to Turnitin will lose 10% from their score

### Midterm and Final Exam

The midterm and final exam make up 30 percent of your overall grade. Questions will be short answer or essay and require you to have a good comprehension of all materials presented. For the midterm, you will be responsible for materials from weeks 1 -4 and for the final, all materials from weeks 5-8.

### Writing Expectations

All written submissions should be submitted in one of the following Fonts: 11 or 12 point Times New Roman or 11 or 12 point Arial. Double space the text and indent paragraphs in accordance with Turabian guidelines. Separate your topics for ease of reading and good organization. Include a Title page with your name, course, topic, and date; and a Table of Contents.

### Citation and Reference Style

All assignments should follow the Turabian Style guidelines. You may cite your sources using footnotes OR endnotes but include separate pages for References and the Bibliography. Assignments completed in a narrative essay or composition format should follow Turabian Citation Style guidelines. This will require students to use the citation and reference style established by Kate Turabian in her *A Manual for Writers of Term Papers, Theses, and Dissertations*, 6th or 7th editions. Here is a quick link description how to use Turabian style: [http://www.uvu.edu/owl/infor/pdf/style\\_guides/Turabian.pdf](http://www.uvu.edu/owl/infor/pdf/style_guides/Turabian.pdf)

### Late Assignments

I understand there are times in your personal and professional lives that may preclude you from completing assignments on time. I want you to submit quality work and not work that is rushed just to meet a suspense. Try to stay ahead of the assignments so you can stick to the set guidelines. However, if you need more time for any reason, take it. I am typically very flexible with suspenses, but ONLY when there is a good justification. All I ask is that you let me know BEFORE the assignment due date that you require additional time. Don't request additional time two hours before the assignment is due or the day after. Students who submit assignments late without pre-coordination with the instructor will have points deducted from that assignment. Routine submission of late assignments is unacceptable and will result in points deducted from your final course grade.

\*\*\*If you have questions about the course grading, don't hesitate to contact me either by email or through the Sakai message system\*\*\*

### **Grading:**

<b>Name</b>	<b>Grade %</b>
Forums	25.00 %
Introduction	0.86 %
Forum 2	3.45 %
Forum 3	3.45 %
Forum 4	3.45 %

Forum 5	3.45 %
Forum 6	3.45 %
Forum 7	3.45 %
Forum 8	3.45 %
Research Paper	20.00 %
International Space Proposal	20.00 %
Short Paper	15.00 %
Early Space Diplomatic Relations	15.00 %
Diplomatic Challenge Paper	10.00 %
America's Major Challenge	10.00 %
Exams	30.00 %
Midterm Exam	15.00 %
Final Exam	15.00 %

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## Materials

**Book Title:** Outer Space: Weapons, Diplomacy, and Security

**Author:** Arbatov, A. and Dvorkin, V.

**Publication Info:** Carnegie Endowment for International Peace

**ISBN:** 9780870032509

### Articles:

Acuthan, J. P. (2006). China's Outer Space Programme: Diplomacy of Competition or Co-operation? *China Perspectives*, January - February 2006. Accessed at <http://chinaperspectives.revues.org/577>

Boutwell, J., Hitchens, T., & Moltz, J. (2004). Enhancing Space Security by Improving Stakeholder Cooperation, *Astropolitics: The International Journal of Space Politics & Policy*, 2:2, 99-106

Correll, R. (2004) Military Space Cooperation: Aligning the Balance of Power and Building Common Interest, *Astropolitics: The International Journal of Space Politics & Policy*, 2:2, 133-147

Gallagher, N. (2010) Space Governance and International Cooperation, *Astropolitics: The International Journal of Space Politics & Policy*, 8:2-3, 256-279

Dembling, Paul G. and Arons, Daniel M., "The Evolution of the Outer Space Treaty" (1967). *Documents on Outer Space Law*. Paper 3.  
Accessed at <http://digitalcommons.unl.edu/spacelawdocs/3>

Giri, C. (2013). Mining in Space: The Next Frontier. *The Diplomat*, July 16, 2013. Accessed at <http://thediplomat.com/2013/07/mining-in-space-the-next-frontier/>

Lewis, Major Carl E. (1989). U.S. – Soviet Cooperation in Space: A Case Study.

Listner, M. (2011). An exercise in the Art of War: China's National Defense white paper, outer space, and the PPWT. *The Space Review*, April 25, 2011

Vadlamudi, S. (2011). INDO-U.S. Space Cooperation. *The Non-Proliferation Review*, 12:1, 199-223



Whiting, Steven Lt Col (2002). *Policy, Influence & Diplomacy: Space as a National Power Element*. Thesis Presented to the School of Advanced Airpower Studies, June 2002. Accessed at <http://www.au.af.mil/au/awc/awcgate/saas/whiting.pdf>

### **Space Treaties/Policies/Codes of Conduct:**

1967 Outer Space Treaty

1968 Rescue and Return Agreement

1972 Liability Convention

1976 Registration Convention

2006 U.S. National Space Policy

2010 U.S. National Space Policy

2013 (September). Draft International Code of Conduct for Outer Space Activities

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## **Course Guidelines**

### **Citation and Reference Style**

- Attention Please: Students will follow the APA Format as the sole citation and reference style used in written work submitted as part of coursework to the University. Assignments completed in a narrative essay or composition format must follow the citation style cited in the APA Format.

### **Tutoring**

- [Tutor.com](http://www.tutor.com) offers online homework help and learning resources by connecting students to certified tutors for one-on-one help. AMU and APU students are eligible for 10 free hours\* of tutoring provided by APUS. Tutors are available 24/7 unless otherwise noted. Tutor.com also has a SkillCenter Resource Library offering educational resources, worksheets, videos, websites and career help. Accessing these resources does not count against tutoring hours and is also available 24/7. Please visit the APUS Library and search for 'Tutor' to create an account.

### **Late Assignments**

- Students are expected to submit classroom assignments by the posted due date and to complete the course according to the published class schedule. The due date for each assignment is listed under each Assignment.
- Generally speaking, late work may result in a deduction up to 20% of the grade for each day late, not to exceed 5 days.
- As a working adult I know your time is limited and often out of your control. Faculty may be more flexible if they know ahead of time of any potential late assignments.

### **Turn It In**

- Faculty may require assignments be submitted to Turnitin.com. Turnitin.com will analyze a paper and report instances of potential plagiarism for the student to edit before submitting it for a grade. In some cases professors may require students to use Turnitin.com. This is automatically processed through the Assignments area of the course.

### **Academic Dishonesty**

- Academic Dishonesty incorporates more than plagiarism, which is using the work of others without citation. Academic dishonesty includes any use of content purchased or retrieved from web services such as CourseHero.com. Additionally, allowing your work to be placed on such web services is academic dishonesty, as

it is enabling the dishonesty of others. The copy and pasting of content from any web page, without citation as a direct quote, is academic dishonesty. When in doubt, do not copy/paste, and always cite.

## Submission Guidelines

- Some assignments may have very specific requirements for formatting (such as font, margins, etc) and submission file type (such as .docx, .pdf, etc) See the assignment instructions for details. In general, standard file types such as those associated with Microsoft Office are preferred, unless otherwise specified.

## Disclaimer Statement

- Course content may vary from the outline to meet the needs of this particular group.

## Communicating on the Forum

- Forums are the heart of the interaction in this course. The more engaged and lively the exchanges, the more interesting and fun the course will be. Only substantive comments will receive credit. Although there is a final posting time after which the instructor will grade comments, it is not sufficient to wait until the last day to contribute your comments/questions on the forum. The purpose of the forums is to actively participate in an on-going discussion about the assigned content.
- “Substantive” means comments that contribute something new and hopefully important to the discussion. Thus a message that simply says “I agree” is not substantive. A substantive comment contributes a new idea or perspective, a good follow-up question to a point made, offers a response to a question, provides an example or illustration of a key point, points out an inconsistency in an argument, etc.
- As a class, if we run into conflicting view points, we must respect each individual's own opinion. Hateful and hurtful comments towards other individuals, students, groups, peoples, and/or societies will not be tolerated.

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## University Policies

### [Student Handbook](#)

- [Drop/Withdrawal policy](#)
- [Extension Requests](#)
- [Academic Probation](#)
- [Appeals](#)
- [Disability Accommodations](#)

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