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SPST623

Course Summary

Course : SPST623 **Title :** National Space
Organization Length of Course : 8 **Faculty :**
Prerequisites : N/A **Credit Hours :** 3

Description

Course Description:

This course is a comparative study of the major industrialized nations' space organizations. It begins with the US and presents an overview of NASA and non-NASA government agencies supporting space exploration. Comparative access are presented for other countries which then allows the student to select the country of their choice (as approved by the instructor) to compare/contrast its space organization with that of the United States. Students will review the fundamental roles of significant space organization, budgets, and goals and objectives in comparison and contrast between the US and another country.

Course Scope:

This course is eight weeks in length and is divided into two main parts. The first half of the course will focus on the major areas of the United States (U.S.) space organization. These areas include the civil, military and commercial space components as well as the support related infrastructure provided by organizations under the Department of State, Department of Transportation, etc... The U.S. space organization will be covered in very broad terms focusing on the interaction between various agencies and highlighting their major functions.

The second half of the course will focus on the analysis of a space organization of a country other than the U.S. This country will be chosen by the student with instructor approval. Additionally, the student will compare and contrast their chosen country's space organization with that of the U.S.

Objectives

Upon completion of this course, the student should be able to:

- Present an overview of the structure of NASA
- List non-NASA government agencies supporting space exploration
- Present an overview of the structure of a chosen country of interests' space organization
- Compare/contrast the U.S. and a chosen country of interests' space organization
- Identify and state the fundamental roles of all significant organizations of another country
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Discuss the current budgets for space exploration (both the U.S. and the chosen country of interest) State the current goals and objectives (macro level summary) for both the U.S. and the chosen country of interest

Outline

Week 1:

Topic(s)

Overview of space organizations as they pertain to national security, Department of Defense and the intelligence community.

“Baseline” of space management and organization.

Learning Objective(s)

State the current goals and objectives (macro level summary) for the U.S. space organization

Discuss the current budgets for space exploration (U.S.)

Reading(s)

United States Space Management and Organization: Evaluating Organizational Options

Read section III regarding the “Baseline” of space management and organization. The remainder of the document is optional.

[*A History of United States National Security Space Management and Organization.*](#)

Assignment(s)

Post your Introduction Discussion (2% of grade)

Week 2:

Topic(s)

Overview of space organizations as they pertain to national security, Department of Defense and the intelligence community.

“Baseline” of space management and organization.

Learning Objective(s)

State the current goals and objectives (macro level summary) for the U.S. space organization

Discuss the current budgets for space exploration (U.S.)

Reading(s)

United States Space Management and Organization: Evaluating Organizational Options

Read section III regarding the “Baseline” of space management and organization. The remainder of the document is optional.

[A History of United States National Security Space Management and Organization.](#)

Assignment(s)

Post your response to Discussion #2 (4% of grade)

Week 3:

Topic(s)

Overview of U.S. commercial space activities

U.S. Commercial Remote Sensing Policy

The overview of each of the six sectors: Satellite Navigation, Commercial Remote Sensing, Space Transportation, Entrepreneurial New Space, Government as Customer, and General Policy Issues.

Learning Objective(s)

State the current goals and objectives (macro level summary) for the U.S. space organization

Reading(s)

Commercial Space and United States National Security (link in course materials)

Navigate the Office of Space Commercialization website,

<http://www.spacecommerce.gov>

Read the following selections:

- Frequently Asked Questions

- U.S. Commercial Remote Sensing Policy

- The overview of each of the six sectors: Satellite Navigation, Commercial Remote Sensing, Space Transportation, Entrepreneurial New Space, Government as Customer, and General Policy Issues

Other sections of the website are optional reading

Assignment(s)

Post your response to Discussion #3 (4% of grade)

Submit your New Space Agency Paper (25% of

grade) **Week 4:**

Topic(s)

The Civil Space Sector

NASA Organization

Learning Objective(s)

Present an overview of the structure of NASA

List non-NASA government agencies supporting space exploration

Reading(s)

The Civil Space Sector (link in course materials)

NASA Organization (link in course materials)

Assignment(s)

Study for the Congressional Statement due next week – review what other nations are doing and why Post your response to Discussion #4 (4% of grade) **Week 5:**

Topic(s)

Country of interest organization structure

Learning Objective(s)

Present an overview of the structure of a chosen country of interests' space organization

Reading(s)

As determined by student with instructor approval

Assignment(s)

Post your response to Discussion #5 (4% of grade)

Submit Congressional Statement (15% of your grade) **Week 6:**

Topic(s)

Country of interest organization structure

Learning Objective(s)

Identify and state the fundamental roles of all significant organizations of another country

Reading(s)

As determined by student with instructor approval

Assignment(s)

Post your response to Discussion #6 (4% of grade)

Submit your Draft Research Paper (6% of grade). I will provide a critique of your draft to ensure you are not having any major problems and to assist you with any additional issues.

Week 7:

Topic(s)

Country of interest budget for space activities

Learning Objective(s)

Discuss the current budgets for space exploration (country of interest)

Reading(s)

As determined by student with instructor approval

Assignment(s)

Post your response to Discussion #7 (4% of grade)

Week 8:

Topic(s)

Country of interest goals and objectives for space activities

Complete Research Paper

Learning Objective(s)

State the current goals and objectives (macro level summary) for country of interest space organization

Reading(s)

As needed

Assignment(s)

Post your response to Discussion #8 (4% of grade)

Submit Research Paper (24% of grade)

Evaluation

During this course, we can maintain contact in several ways. The best is via the classroom message system; e-mail should only be utilized in exceptional circumstances. Especially since much of the course is instructor-guided independent study, students are expected to maintain routine contact throughout the course. APUS requires at least four contacts during the semester, which will be listed in the weekly assignments.

Grading:

Name	Grade %
Discussions	23.00 %
Week 2: U.S. Commercial Space	3.29 %
Week 3: Office of Space Commercialization	3.29 %
Week 4: Future American Space Missions	3.29 %
Week 5: Collaborative Missions	3.29 %
Week 6: Your Country's Space	3.29 %
Program Educational Goals	
Week 7: Upcoming Missions for Your Country	3.29 %
Week 8: Organizational Structure of Your Country	
Space Agency Paper	25.00 %
New Space Agency Paper	25.00 %
Research Paper	30.00 %
Final Paper	22.50 %
Draft Research Paper	7.50 %
Congressional Statement	20.00 %
Congressional Statement	20.00 %
Introduction Discussion	2.00 %
Introductions	2.00 %

Materials

Book Title: All Readings are Available on the Internet at URLs Listed in the

Syllabus **Author:**

Publication Info: Open Web Sources **ISBN:** AMN

Web-based Readings

Boehm, J., Baker, C., Stanley, C., and Sakazaki, M. [*A History of United States National Security Space Management and Organization.*](#)

Haller, L.L., and Sakazaki, M.S. [*Commercial Space and United States National Security.*](#)

Kruse, K., Cushman, C.B. Jr., Norricks, D.M.E., and Baker, C. [*United States Space Management and Organization: Evaluating Organizational Options.*](#)
[*NASA Organization.*](#)

Office of Space Commercialization. <http://www.spacecommerce.gov>

Seftas, Randy. [*The Civil Space Sector.*](#)

Software Requirements

- Microsoft Office (MS Word)
- Microsoft Internet Explorer
- Adobe Acrobat Reader

Additional Material

There are no required textbooks for this course. All readings are from the Internet sources listed or from those selected by the student with consent from the instructor. Each student will provide a list of readings to support his/her research. Your selected texts may be read in their entirety or broken down into specific pages/chapters of interest, as approved by the instructor. The reason for this method is that the most current information must be used, especially given ongoing changes in NASA and other organizations. Once you have compiled your book lists and have submitted it for approval, the instructor will provide you with additional reading assignments, if needed, which can be downloaded directly from the Internet (NASA homepage, etc.), to help support your efforts. The knowledge of your selected readings will be reflected in your understanding of the material presented in your research paper, as well as knowledge displayed in the discussions.

Selected Bibliography

[*AMU/APU Space Studies Homepage.*](#)

Use the above site for links to various space agencies and other miscellaneous space related sites.

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](#) 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

- The University encourages all work to be completed according to the course schedule. The University Late Work Policy can be found in the Student Handbook [here](#).

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 Discussion

- Discussions 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 discussion. The purpose of the discussions 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.

Identity Verification & Live Proctoring

- Faculty may require students to provide proof of identity when submitting assignments or completing assessments in this course. Verification may be in the form of a photograph and/or video of the student's face together with a valid photo ID, depending on the assignment format.
 - Faculty may require live proctoring when completing assessments in this course. Proctoring may include identity verification and continuous monitoring of the student by webcam and microphone during testing.
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University Policies

[Student Handbook](#)

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

The mission of American Public University System is to provide high quality higher education with emphasis on educating the nation's military and public service communities by offering respected, relevant, accessible, affordable, and student-focused online programs that prepare students for service and leadership in a diverse, global society.