COURSE DESCRIPTION
This course analyzes the theories and international implications of global commons as applied to the environment and outer space.

COURSE OBJECTIVES
The objectives of this course are to: (1) introduce and review the concept of global commons; (2) examine the theories and practices concerning management of the global commons including the logic of collective action, game theory, and international regimes; and (3) analyze the international implications of the global commons dealing with the problems of collective action as applied to the environment (e.g., global climate change) and outer space.

PEDAGOGY AND FORMAT
The pedagogy of this course is organized on three basic ideas: tell me and I will forget...show me and I might remember...involve me and I will remember. First, students require some basic information; second, experience with the topic at hand is important; and third, students are expected to engage in integrated and critical thinking about the topic. Each new topic of the course begins with lectures and assigned readings on the topic. Students are then to gain experience with the topic through chat discussions. Lastly, students reflect and apply their knowledge through exams, research assignments, and involvement in a class project.
REQUIRED COURSE READINGS

Note that optional readings on course web site will be suggested in chats and in e-mail updates

1. **Required books available for purchase:**


Hasenclever, Andreas, Peter Mayer, and Volker Rittberger, *Theories of International Regimes* (Cambridge University Press, 1997).


2. **Required reading packet available for purchase:**


3. **Required readings on course web site:**


Sadeh, Eligar and Incigul Polat Erdogan, “Global Change and Collective Action: Harmonization of Earth Observation Data.”

COURSE REQUIREMENTS

1. **Exams (2):** The first exam (Exam.1- 30 SEP to 4 OCT) covers course lectures, readings, and discussions from Part I of the course on concepts and theories (Weeks of 1 SEP to 29 SEP). The second exam (Exam.2- 18 NOV to 22 NOV) focuses on the application of the theories and concepts to the specific areas of the global commons reviewed in Part II of the course (Weeks 6 OCT to 17 NOV). Each exam will be distributed through the smart exam room on www.space.edu and you will have 120 minutes to complete the respective exam once logged into the system. Further instructions for taking the exam, including the exam code, will be given on the course web site.

2. **Case Studies (2):** The case studies explore a specific collective action problem related to the global environment and outer space (one in each commons area is required). You are required to complete two case study assignments- due dates are 18 OCT for Case.1 and 29 NOV for Case.2. Each case study is to be 8-10 pages in length and requires that you make use of course related sources (readings, lectures, and chats) and additional resources as required. Detailed guidelines for the case studies are distributed on the course web site. Case study assignments will be made by 8 SEP. Note that part of the case study assignment involves the development of thesis (hypothesis) statements, which are due 11 OCT for Case.1 and 22 NOV for Case.2

3. **Collective Action Project:** The objective of the Collective Action Project is to investigate future issues of collective action related to the global environment and outer space. There will be two project teams per chat section. Please form teams by no later than 4 OCT- note that students not on a team will be assigned to a team by 4 OCT. Survey guidelines for the project will also be posted by 4 OCT on the course web site. Each team is to prepare a proposal for instructor approval by 1 NOV and then a draft survey* by 8 NOV. Following this, each team is required to be familiar and knowledgeable with the issues investigated and the project results in the development of a draft report for 6 DEC and a final report due 13 DEC (final report of 20-30 pages). Further instruction and guidance on the project is given on the course web site. *Note that the Delphi survey technique is employed for this project.

4. **Presentations (2):** There are two required presentations for this course: the first presentation is on one of the two case study assignments that are required; and the second presentation relates to the collective action project. For the case study presentations, the instructor assigns the presentation date. These presentations are part of the case study and project grades respectively. Presentations take place in the chat room. For each presentation, a power point is required on the same due date as the case study and project reports.

5. **Chats:** You are required to participate in chat sessions that are held on a weekly basis. The chat rooms (Room #70649 for 8pm chat and #70650 for 9pm chat) can be accessed through mIRC (see www.space.edu for technical assistance with this) or comparable chat software or via the link on the course web page. It is strongly encouraged that you attend the chat that you registered for; however, the chat policy allows you to attend any of the chats held during the week with the exception of the two presentation chats.

6. **Lectures and Lecture Slides:** You are required to view and study the lectures and lecture slides. Lectures are available in DVD or VHS format and you should have had a copy sent to you. The lectures can also be viewed on-line via the course web site using real media player. Lecture slides are available on the course web site. For printing lecture slides, go the outline view sidebar and print that view.
GRADING FORMULA AND CRITERIA

Grades follow the standard 90-100 A; 80-89 B; and 70-79 C. An A grade implies that you have exceeded expectations; a B grade indicates that you have met expectations; and a C grade (or lower) suggests that you are performing below graduate school expectations.

Final grades take into consideration steady improvement over the course of the semester. A revision of a grade based on steady improvement assumes that: (1) the final grade is in the “+” category (87-88-89 is a B+ and 77-78-79 is a C+); (2) at least two of the four primary grades are at the higher grade level; and (3) there is evidence of improvement over the course of the semester from a lower grade to a higher grade. A good case for a change of grade to an A is as follows (C average for the exams, B for chats, A average for case studies and project-final grade 88). Any final grade changes at the discretion of the instructor.

25% Chats
25% Exams
25% Case Studies
25% Team Project

-The exams are graded according to the following basic criteria: (1) answer the question asked; (2) integrative thinking and independent thought; (3) organization; and (4) sources. In addition to this each exam is graded on the specific aspects of the questions asked.

-The paper and project are graded according to the following basic criteria: (1) research question and definition of research problem; (2) thesis (hypothesis) statement; (3) integrative thinking and independent thought; (4) organization and style; (5) sources; (6) presentations in chat and power point; and (7) specific milestones (thesis statements for case studies and proposal for projects).

-The presentation grade, which is part of the grade for the case studies and team projects, includes the deliverable of presentation slides in power point format. Presentation grades are based on demonstration of knowledge, demonstration of integrative thinking, ability to manage Q&A session in chat (the actual presentation is a Q&A session), and the style, clarity, and organization of the power point.

-For chats you are required to participate. Grades for chat discussions are as follows: 3 points for attendance and active participation (3 or more meaningful comments and questions); 2 points for attendance and participation (1-2 meaningful comments and questions); 1 point for attendance, but no participation; and 0 points for no attendance.

Note that chats are an integral part of the course and count towards 25% of your final grade. In general, there is no chat make-up policy for missed chats. The only exception to this is for extenuating circumstances defined as military assignments, medical reasons, and family emergencies. If this applies to you for any missed chat, please e-mail me and we can then determine the appropriate make-up for that chat.

-LASTLY, PLEASE BE AWARE OF WHAT CONSTITUTES PLAGIARISM AS THIS WILL NOT BE TOLERATED. THE SAFEST WAY TO AVOID PLAGIARISM IS TO CITE ANY QUOTES OR IDEAS ATTRIBUTED TO OTHERS IN YOUR WORK.
COURSE OUTLINE (see course schedule for dates)

PART I: CONCEPTS AND THEORIES

**Key Idea.1:**
Global Commons, “Tragedy of the Commons,” Commons Governance

**Reading.1**

**Key Idea.2:**
Logic of Collective Action

**Reading.2**

**Key Idea.3:**
Game Theory and Collective Action

**Reading.3**

**Key Idea.4:**
Concept and Theories of International Regimes

**Reading.4**

Exam.1 from 30 SEP to 4 OCT

PART II: INTERNATIONAL IMPLICATIONS OF COMMONS PROBLEMS

**Key Idea.5:**
The Commons of the Atmosphere and Ozone Depletion

**Reading.5**
Key Idea.6:
The Commons of the Atmosphere and Global Climate Change

Reading.6
-Luterbacher, Urs and Detlef F. Sprinz, eds., International Relations and Global Climate Change (MIT Press, 2001): Chapters 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14.

Case.1 due 18 OCT

Key Idea.7:
The Commons of Outer Space, Outer Space Treaty Regime, Orbital Debris

Reading.7
-United Nations treaties and principles on outer space (United Nations, Vienna, 1999).

Key Idea.8:
Commons of Space and Telecommunications

Reading.8

Key Idea.9:
Collective Action and Earth Observations

Reading.9

Key Idea.10:
Comparative Commons, Regime Effectiveness

Reading.10
-Vogler, The Global Commons: Environmental and Technological Governance: Chapters 3, 4, 7, 8, 9.

Exam.2 from 18-22 NOV

Case.2 due 29 NOV
PART III: COLLECTIVE ACTION PROJECT

Form project teams - 4 OCT

Project proposals - 1 NOV

Draft survey - 8 NOV

Draft reports - 6 DEC

Final reports - 13 DEC