

# **WATER WAR: CONFLICT AND COOPERATION**

**POLI:3518:0001**

**FALL 2015**

**MWF 10:30am-11:20am**

**66 Schaeffer Hall**

## **INSTRUCTOR**

Sojeong Lee

367 Schaeffer Hall

Phone: 319-335-3381

Email: [sojeong-lee@uiowa.edu](mailto:sojeong-lee@uiowa.edu)

Website: [www.sojeonglee.com](http://www.sojeonglee.com)

Office Hours: Monday and Wednesday 1:30pm-3pm or by appointment

## **COURSE DESCRIPTION**

This course examines the management of water resources and disputes over cross-border rivers and maritime areas. We will investigate causes and possible solutions for “water wars”: growing populations demand more freshwater up to unsustainable levels, climate change aggravates the shortage of water by exacerbating droughts and floods, competition over maritime areas has intensified as well, as global fishing stocks have experienced dramatic losses and as states vie for resources in previously uncontested areas, and the increasing prevalence of piracy on provoking disputes between state and non-state actors in maritime areas. These problems have resulted in a higher potential for conflict over shared water. Course topics include river environment/climate issues, common property resources (CPR), the causes of conflict over fresh water, river treaties, conflict over the seas, maritime security, fisheries, piracy, and the United Nations Conventions on the Law of the Sea (UNCLOS). This course is designed to familiarize students with topics and issues related to conflict and cooperation over water. By the end of the semester, students should be able to apply factors covered in the lectures to examine actual case of water conflict and cooperation.

## **COURSE REQUIREMENTS**

Your final course grade will be determined based on your performance on class participation, in-class presentation, a mid-term exam, a final exam, and a research paper.

1. Class Participation (15%): Class Participation grades will be determined based upon attendance in class and participation in class discussion. Attendance in the lectures is mandatory. Aside from the first week of the lecture, the students’ attendance will be taken into account each class period. Each class missed without a valid excuse will be negatively affect your participation grade. For every missed class, one point will be deducted from the participation grade. If a student will be unable to attend the lecture in a particular week, the student will need to contact the instructor prior to the week. If an emergency arises and a student misses the lecture, the student should let the instructor know within a week from a date of the missed lecture.

This course will include both lectures and class discussions of various topics during the entire semester. Students will be expected to complete each week’s course readings and to fully

understand them before attending class discussion. Based on own understanding of course materials, students should make regular, positive and solid contributions to class discussions. Positive and sound contributions are comments that ask specific clarifications of issues from the course readings, demonstrate substantial points on the topics, or challenge the main arguments of the course materials.

2. Mid-Term Exam (25%): There will be one midterm exam in this course. The midterm exam is scheduled on October, 16<sup>th</sup>, during class. The exam will include both multiple-choice, short-answer, and short essay questions. Make-up exams will be given only to students with medical or personal emergencies. If an emergency arises, a student should contact the instructor BEFORE the exam or the student will receive zero credit.

3. Final Exam (25%): A final exam will be held during the final exam week (date, time and location TBA). The exam will include both multiple-choice, short-answer, and short essay questions. Make-up exams will be given only to students with medical or personal emergencies. If an emergency arises, a student should contact the instructor BEFORE the exam or the student will receive zero credit.

4. In-Class Presentation and Research Paper (35%): Students will be assigned to present real-world cases related to course topics on designated weeks. Each student will only be asked to present one time during the semester. The In-Class Presentation will be comprised with a 20-minute presentation and a 15-minute discussion. The 20-minute presentation should include a short summary and a critical review of the case chosen, and provide substantial discussion points connecting the case and the course topics. After the presentation, students will lead a 15-minute class discussion. Since students will be entirely in charge of the in-class discussion, students should prepare main discussion points to encourage peer discussion among fellow colleagues in classroom. Students will write a research paper based on the case chosen for the presentation. The research paper should apply concepts and theories covered in the course to real-world cases chosen for the presentation. The research paper should be about 8-10 pages in length and be written in the professional style with appropriate citations. I will distribute more detailed instructions for the paper early in the semester. The paper will be due on **Wednesday, December 9<sup>th</sup> by 11:59pm** via the appropriate Dropbox folder on the course ICON page.

*Real-World Cases for Presentation & Research Paper*

- Conflict and Cooperation over Fresh Water
  - Nile Basin                      - Tigris/Euphrates                      - Ganges
  - Jordan                              - La Plata                              - Rio Grande
  
- Maritime Conflict and Cooperation
  - South-China Sea              - Senkaku-Diaoyu                      - Spratly
  - Yellow Sea                      - Gulf of Thailand                      - Tuna War
  - Turbot War                      - Somali Piracy, or other selected piracy cases interested
  - UNCLOS cases

If for some reason you are dissatisfied with the final grade you receive on your research paper, you may submit a written memo to the instructor explaining why you think the grade is unfair and unacceptable. This memo must be submitted within 1 week of receiving the paper grade. The instructor will read the memo, re-read the research paper, and then assign a new grade. The instructor reserves the right to assign a lower grade after re-reading the research paper a second time.

## **GRADES**

The grading scale (in percentages) for the course is as follows:

99-100	A+
93-98	A
90-92	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
67-69	D+
63-66	D
60-62	D-
59 or below	F

*A note on Collaboration: Collaboration is not allowed on the mid-term exam, final exam, or final paper. You are welcome to study together for the mid-term and final exam, but all work on the exams themselves, and all work on the research paper, should be your own. If you have specific questions about this policy, please feel free to contact me for clarification.*

## **TEXTBOOKS**

All assigned readings are available on the course page in ICON.

## COURSE SCHEDULE

### Week 1 (Aug 26<sup>th</sup> – 28<sup>th</sup>) Introduction

Wednesday, August 26<sup>th</sup>

- Harris, Shane. 2014. “Water Wars.” Foreign Policy Report. <http://foreignpolicy.com/2014/09/18/water-wars/>
- Bernauer, Thomas. 2013. “Climate Change Politics.” *The Annual Review of Political Science* 16: 421-48

Friday, August 28<sup>th</sup>

- Wolf, Aaron T. 2007. “Shared Waters: Conflict and Cooperation.” *The Annual Review of Environment and Resources* 32: 241-269.

### Week 2 (Aug 31<sup>st</sup> – Sep 2<sup>nd</sup>) War over Water

Monday, August 31<sup>st</sup>

- Wolf, Aaron. 1998. “Conflict and Cooperation along International Waterways.” *Water Policy* 1 (1998): 251-265.
- Feldman, David Lewis. 2012. “Threats to Freshwater.” in *Water. Polity*. Pp.59-91.

No Class on Wednesday, September 2<sup>nd</sup> & Friday, Sep 4<sup>th</sup> [APSA Conference]

#### ❖ [Individual Assignment] Documentary Watching: “Water Wars” (2009/2010).

- You should watch “Water Wars” and write a short memo about 1) what the most important issue/problem is among those discussed in the documentary, and 2) why you think in that way.
- You should upload your memo in Dropbox in the ICON course page by Monday, September 7<sup>th</sup>, 11:59pm.

### Week 3 (Sep 7<sup>th</sup> – 11<sup>th</sup>) Managing the Commons

No Class on Monday, September 7<sup>th</sup> [Labor Day]

Wednesday, September 9<sup>th</sup>

- Hardin, Garrett. 1968. “The Tragedy of the Commons.” *Science* 162: 1243-1248.
- Ostrom, Elinor. 1990. *Governing the Commons: The Evolution of Institutions for Collective Actions*. Cambridge University Press. Selected pages.
  - “The Competitive Pumping Race” (104-110)
  - “California Groundwater Basins with Continuing CPR Problems” (146-149)

Friday, September 11<sup>th</sup>

- Wijkman, Magnus. 1982. “Managing the Global Commons.” *International Organization* 36(3): 511-536.

**Week 4 (Sep 14<sup>th</sup> – 18<sup>th</sup>) Conflict and Cooperation over Freshwater: Overview/Scarcity**

*Monday, September 14<sup>th</sup>*

- Homer-Dixon, Thomas. 1994. "Environmental Scarcities and Violent Conflict: Evidence from Cases." *International Security*. 19(1):5-40

*Wednesday, September 16<sup>th</sup>*

- Homer-Dixon, Thomas. 1994. "Environmental Scarcities and Violent Conflict: Evidence from Cases." *International Security*. 19(1):5-40 (Cont.)

*Friday, September 18<sup>th</sup>*

- Dinar, Shlomi. 2009. "Scarcity and Cooperation along international Rivers." *Global Environmental Politics* 9(1); 109-135.

**Week 5 (Sep 21<sup>st</sup> – 25<sup>th</sup>) Conflict and Cooperation over Freshwater: Scarcity, cont. / Basin Relationship /Hydro-Hegemon**

*Monday, September 21<sup>st</sup>*

- Gleick, Peter H. 1993. "Water and Conflict: Fresh Water Resources and International Security." *International Security* 18(1): 79-112.
- Bernauer, Thomas and Tobias Siegfried. 2012. "Climate Change and International Water Conflict in Central Asia." *Journal of Peace Research* 49(1): 227-239.

*Wednesday, September 23<sup>rd</sup>*

- Gleditsch, Nils Petter, Kathryn Furlong, Håvard Hegre, Bethany Lacina, and Taylor Owen. 2006. "Conflicts over Shared Rivers: Resource Scarcity or Fuzzy Boundaries?" *Political Geography* 25(4): 361-382.
- Brochmann, Marit and Nils Petter Gleditsch. 2012. "Shared Rivers and Conflict: A Reconsideration." *Political Geography* 31(8): 519-527.

*Friday, September 25<sup>th</sup>*

- Zeitoun, Mark and Jeroen Warner. 2006. "Hydro-Hegemony: A Framework for Analysis of Trans-Boundary Water Conflict." *Water Policy* 8(5): 435-460.

**Week 6 (Sep 28<sup>th</sup> – Oct 2<sup>nd</sup>) Conflict and Cooperation over Freshwater: Hydro-Hegemon / Allocation**

*No Class on Monday, September 28<sup>th</sup> [Field Trip to the Mississippi River: Augsburg MS Trip]*

*Wednesday, September 30<sup>th</sup>*

- Zeitoun, Mark and Jeroen Warner. 2006. "Hydro-Hegemony: A Framework for Analysis of Trans-Boundary Water Conflict." *Water Policy* 8(5): 435-460.

Friday, October 2<sup>nd</sup>

- Wolf, Aaron T. 1999. "Criteria for Equitable Allocations: The Heart of International Water Conflict." *Natural Resources Forum* 23: 3-30.

**Week 7 (Oct 5<sup>th</sup> – 9<sup>th</sup>) Conflict and Cooperation over Freshwater: Civil violence / Case Studies**

Monday, October 5<sup>th</sup>

*Civil Violence*

- Raleigh, Clionadh and Hendrik Urdal. 2007. "Climate Change, Environmental Degradation and Armed Conflict." *Political Geography*. 26: 674-694.
- Hendrix, C. S and I. Salehyan. 2012. "Climate Change, Rainfall, and Social Conflict in Africa," *Journal of Peace Research* 49(1): 35–50.

*In-Class Presentation: Conflict and Cooperation over Fresh Water #1*

Wednesday, October 7<sup>th</sup> *In-Class Presentation: Conflict and Cooperation over Fresh Water #2*

Friday, October 9<sup>th</sup> *In-Class Presentation: Conflict and Cooperation over Fresh Water #3*

**Week 8 (Oct 12<sup>th</sup> – 14<sup>th</sup>) Conflict and Cooperation over Freshwater: Case Studies**

Monday, October 12<sup>th</sup> [*Midterm Review*]

Wednesday, October 14<sup>th</sup> *In-Class Presentation: Conflict and Cooperation over Fresh Water #4*

**Friday, October 16<sup>th</sup> [Midterm Exam]**

**Week 9 (Oct 19<sup>th</sup> – 23<sup>rd</sup>)**

**Conflict and Cooperation over Freshwater: Case Studies**

Monday, October 19<sup>th</sup> *In-Class Presentation: Conflict and Cooperation over Fresh Water #5*

**Conflict and Cooperation over Freshwater: Treaties and Institutions**

Wednesday, October 21<sup>st</sup>

- Zawahri, Neda A. and Sara McLaughlin Mitchell. 2011. "Fragmented Governance of International Rivers: Negotiating Bilateral versus Multilateral Treaties." *International Studies Quarterly* 55: 835-858
- Brochmann, Marit. 2012. "Signing River Treaties – Does It Improve River Cooperation?" *International Interactions* 38: 141-163.

Friday, October 23<sup>rd</sup>

- Tir, Jaroslav and Douglas M Stinnett. 2012. "Weathering Climate Change: Can Institutions Mitigate International Water Conflict?" *Journal of Peace Research* 49(1):

211-225.

**Week 10 (Oct 26<sup>th</sup> – 30<sup>th</sup>) Maritime Conflict and Cooperation –General Issues / Issue Salience**

*Monday, October 26<sup>th</sup>*

- Borgerson, Scott G. 2008. “Arctic Meltdown: The Economic and Security Implications of Global Warming.” *Foreign Affairs* 87(2): 63-77.
- Zysk, Katarzyna and David Titley. 2015. “Signals, Noise, and Swans in Today’s Arctic.” *SAIS Review of International Affairs* 35(1): 169-181.

*Wednesday, October 28<sup>th</sup>*

- Nyman, Elizabeth. 2013. “Oceans of Conflict: Determining Potential Areas of Maritime Disputes.” *SAIS Review of International Studies Special Issue on Oceans* 32(2): 5-14.
- Michel, David and Ricky Passarelli ed. 2014. “Introduction.” in *Sea Change: Evolving Maritime Geopolitics in the Indo-Pacific Region*. Stimson Center. Pp. 11-17.

*Friday, October 30<sup>th</sup>*

- Hensel, Paul R., Sara McLaughlin Mitchell, Tomas E Sowers II and Clyton L. Thyne. 2008. “Bones of Contention: Comparing Territorial, Maritime, and River Issues.” *Journal of Conflict Resolution* 52(1): 117-143.

**Week 11 (Nov 2<sup>nd</sup> – 6<sup>th</sup>) Maritime Conflict and Cooperation – Maritime Security**

*Monday, November 2<sup>nd</sup>*

- Klein, Natalie. 2011. “Two Fundamental concepts.” in *Maritime Security and the Law of the Sea*. Oxford University Press. Pp.1-23.

*Wednesday, November 4<sup>th</sup>*

- Tangredi, Sam J. 2011. “The Maritime Commons and Military Power.” In Scott Jasper ed. *Conflict and Cooperation in the Global Commons: A Comprehensive Approach for International Security*. Georgetown University Press. Pp.71-88.

*Friday, November 6<sup>th</sup>*

- Kleinstieber, Meghan. 2013. “Nationalism and Domestic Politics as Drivers of Maritime Conflict.” *SAIS Review of International Studies Special Issue on Oceans* 32(2): 15-19.

**Week 12 (Nov 9<sup>th</sup> – 13<sup>th</sup>)**

**Maritime Conflict and Cooperation – UNCLOS**

*Monday, November 9<sup>th</sup>*

- Rothwell, Donald R. and Tim Stephens. 2010. “The History and Sources of the International Law of the Sea.” in *The International Law of the Sea*. Hart Publishing. Pp.1-29.

*Wednesday, November 11<sup>th</sup>*

- Nemeth, Stephen, Sara McLaughlin Mitchell, Elizabeth A. Nyman, and Paul R. Hensel. 2014. “Ruling the Sea: Managing Maritime Conflicts through UNCLOS and Exclusive Economic Zones.” *International Interactions* 40: 711-736.
- Bonner, Patrick J. 2013. “Neo-Isolationists Scuttle UNCLOS.” *SAIS Review of International Studies Special Issue on Oceans* 32(2):135-146.

### **Maritime Conflict and Cooperation – Case Studies**

- *Friday, November 13<sup>th</sup> In-Class Presentation: Maritime Conflict and Cooperation #1*

### **Week 13 (Nov 16<sup>th</sup> – 20<sup>th</sup>) Maritime Conflict and Cooperation – Case Studies**

*Monday, November 16<sup>th</sup> In-Class Presentation: Maritime Conflict and Cooperation #2*

*Wednesday, November 18<sup>th</sup> In-Class Presentation: Maritime Conflict and Cooperation #3*

*No Class on Friday, November 20<sup>th</sup> [ISA Midwest Conference]*

### **Week 14: Thanksgiving Break**

### **Week 15 (Nov 30<sup>th</sup> – Dec 4<sup>th</sup>)**

#### **Maritime Conflict and Cooperation – Case Studies**

*Monday, November 30<sup>th</sup> In-Class Presentation: Maritime Conflict and Cooperation #4*

#### **Maritime Conflict and Cooperation - Fisheries**

*Wednesday, December 2<sup>nd</sup>*

- DeSombre, Elizabeth R. and J. Samuel Barkin. 2011. “Growth of the Global Fishing Industry.” in *Fish*. Cambridge, UK: Polity. Chapter 2. Pp. 24-49
- Srinivasan, U. Thara, Reg Watson, and U. Rashid Sumaila. 2012. “Global Fisheries Losses at the Exclusive Economic Zone Level, 1950 to Present.” *Marine Policy* 36: 544-549.

#### **Maritime Conflict and Cooperation – Piracy**

*Friday, December 4<sup>th</sup>*

- Daxecker, Ursula and Brandon Prins. 2012. “Insurgents of the Sea: Institutional and Economic Opportunities for Maritime Piracy.” *Journal of Conflict Resolution* 57(6): 940-965.



**Week 16 (Dec 7<sup>th</sup> – 11<sup>th</sup>) Maritime Conflict and Cooperation – Case Studies**

*Monday, December 7<sup>th</sup> In-Class Presentation #10: Maritime Conflict and Cooperation #5*

*Wednesday, December 9<sup>th</sup> In-Class Presentation #11: Maritime Conflict and Cooperation #6*

- Research paper due on **Wednesday, December 9<sup>th</sup> by 11:59pm** via the appropriate Dropbox folder on the course ICON page

*Friday, December 11<sup>th</sup> [Final Exam Review-No Reading]*

**Final Exam: Monday, December 14<sup>th</sup>. 5:30-7:30PM. 66 Schaeffer Hall.**

**CLAS Teaching Policies & Resource**  
**Department of Political Science DEO: Sara McLaughlin Mitchell, 341 Schaeffer Hall**

### **Administrative Home**

The College of Liberal Arts and Sciences is the administrative home of this course and governs matters such as the add/drop deadlines, the second-grade-only option, and other related issues. Different colleges may have different policies. Questions may be addressed to 120 Schaeffer Hall, or see the CLAS Academic Policies Handbook at <http://clas.uiowa.edu/students/handbook>.

### **Electronic Communication**

University policy specifies that students are responsible for all official correspondences sent to their University of Iowa e-mail address (@uiowa.edu). Faculty and students should use this account for correspondences ([Operations Manual, III.15.2](#), k.11).

### **Accommodations for Disabilities**

A student seeking academic accommodations should first register with Student Disability Services and then meet with the course instructor privately in the instructor's office to make particular arrangements. See <http://sds.studentlife.uiowa.edu/> for more information.

### **Academic Honesty**

All CLAS students or students taking classes offered by CLAS have, in essence, agreed to the College's [Code of Academic Honesty](#): "I pledge to do my own academic work and to excel to the best of my abilities, upholding the [IOWA Challenge](#). I promise not to lie about my academic work, to cheat, or to steal the words or ideas of others; nor will I help fellow students to violate the Code of Academic Honesty." Any student committing academic misconduct is reported to the College and placed on disciplinary probation or may be suspended or expelled ([CLAS Academic Policies Handbook](#)).

### **CLAS Final Examination Policies**

The final examination schedule for each class is announced by the Registrar generally by the fifth week of classes. Final exams are offered only during the official final examination period. No exams of any kind are allowed during the last week of classes. All students should plan on being at the UI through the final examination period. Once the Registrar has announced the date, time, and location of each final exam, the complete schedule will be published on the Registrar's web site and will be shared with instructors and students. It is the student's responsibility to know the date, time, and place of a final exam.

### **Making a Suggestion or a Complaint**

Students with a suggestion or complaint should first visit with the instructor (and the course supervisor), and then with the departmental DEO. Complaints must be made within six months of the incident (CLAS [Academic Policies Handbook](#)).

### **Understanding Sexual Harassment**

Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. All members of the UI community have a responsibility to uphold this mission and to contribute to a safe environment that enhances learning. Incidents of sexual harassment should be reported immediately. See the UI [Comprehensive Guide on Sexual Harassment](#) for assistance, definitions, and the full University policy.

### **Reacting Safely to Severe Weather**

In severe weather, class members should seek appropriate shelter immediately, leaving the classroom if necessary. The class will continue if possible when the event is over. For more information on Hawk Alert and the siren warning system, visit the [Department of Public Safety website](#).