

GEO 508 Intensive Field Course (IFC): Introduction to NRT core concepts
Hatfield Marine Science Center, Newport Oregon
Sept. 10th-14th, 2018

Learning outcomes

Student will:

1. Recognize the myriad of perceptions of the NRT core concepts, describe them, and relate them to groups of people and disciplines
2. Experience multi-disciplinary, inter-disciplinary and trans-disciplinary collaboration
3. Learn about and develop an Individual Development Plan
4. Develop an individual presentation about the evolution you've undergone over the week regarding your perception of the three NRT core concepts
5. Familiarize with team members and discuss your NRT research
6. Set schedules and timeline for progressing on NRT Project Team activities

Throughout the schedule we refer to:

Individuals: each student

Faculty: each mentor

Team: students working on a similar project

Cluster: student + faculty working on the same project

Group: any non-defined ensemble of individuals who may have something in common, e.g., group of students not coinciding with a team, group of faculty, scientists, stakeholders, managers, tourists, indigenous people, etc.

SCHEDULE

Day Time	Speaker(s)/Event	Where
Monday, Sept. 10th		
7:30 A.M. Head out to HMSC from Corvallis		HMSC
9:30 A.M.-10:15 A.M.	Students set up bunks, food put away, etc.	HMSC
10:15 A.M.-10:30 A.M.	Welcome, Introductions, Introduction to Core Concepts and Desired Outcome of the NRT Program. *Provide: Discipline name, connection to marine place, and experience working with others in a team. (Lorenzo Ciannelli, Flaxen Conway)	Library Seminar Room
10:30 A.M.-11:45 A.M.	Primer on the Program's first Core Concept: Coupled Natural-Human (CNH) marine system (Ana Spalding, Kirsten-Grorud-Colvert)	
11:45 A.M.-12:00 P.M.	Break	
12:00 P.M.-1:00 P.M.	Introduction to multi-, inter-, and trans-disciplinary collaborative work (Lorenzo Ciannelli, Flaxen Conway)	
1:00 P.M.-2:00 P.M.	Catered Lunch	Cafeteria
2:00 P.M.-3:30 P.M.	NRT Individual Development Plans (IDP) 1. What they are and why they are important and helpful. (Michael Banks, Ana Spalding) 2. exercise filling in IDP (student + advisor)	Library Seminar Room
3:30-4:30 P.M.	2017-18 NRT Fellows present individual reflections on the values of the NRT, process of working in transdisciplinary groups, and how it has added to their professional and academic development. (Patricia Halleran, Kelsey Swieca, Liz Lee, Samm Newton, and Katlyn Haven)	Library Seminar Room
4:30-5:30 P.M.	Students take a trip alone to explore the marine place -- take photos, journal, talk with people, etc. -- to begin to describe and understand the CNH (coupled natural-human marine system) in Newport	Newport
6:00 P.M.-7:00 P.M.	NRT Program Group Dinner	Rogue Brewery
7:00-9:00 P.M.	1. Reflection & Sharing Time: Individually reflect on <i>how does your discipline inform, and is informed by, the study of CNH system?</i> Write this in your IFC journal. 2. Share your perceptions from your "solo trip" with at least one other student. 3. Take some down time to relax and enjoy this place	Library Seminar Room

Tuesday, Sept. 11th		
9:00 A.M.-10:30 A.M.	<p>Morning Check In:</p> <p>1. Individual students share with the larger group (2-3 mins. each) their personal and disciplinary perspectives on the CNH (coupled natural- human marine system) (sharing reflections from their solo trip, their individual disciplinary reflection, their evening sharing with another. Logistics of afternoon trip and direction in terms of working in pairs (<i>Flaxen Conway</i>))</p> <p>2. Build a Concept Map on the second NRT core concept: Risk and Uncertainty Analyses and Communication (<i>facilitated by Cynthia Char</i>)</p>	Library Seminar Room
10:30 A.M.-12:00 P.M.	<p>Primer on the Program's second Core Concept: Risk and Uncertainty Analyses and Communication (R&U) (<i>Alix Gitelman, Ana Spalding</i>)</p>	Library Seminar Room
12:00 P.M.-1:00 P.M.	Catered lunch	Cafeteria
1:00 P.M.-1:30 P.M.	Meet by housing area/vans for traveling to Docks	
1:30 P.M.-3:45 P.M.	<p>Core Concept in Practice: learn about the concept of CNH in action as it relates to one important coastal industry and resource</p> <p>1:30-2:30: Visit Cory Feldner's fishing vessel and learn about troll salmon fishing and project CROOS.</p> <p>2:45-3:45: Visit the Eder's fishing vessel and learn about pot fishing for crab and groundfish, and the quota system.</p>	Newport Docks
4:00 P.M.-5:30 P.M.	Students take a trip in pairs (open choice) to explore the marine place -- take photos, journal, talk with people, etc. again -- but this time look for and consider the concept of R&U in the CNH marine system in Newport	Newport Docks
6:00 P.M.-7:00 P.M.	Uncatered Dinner: Cook, share, relax	Cafeteria
7:00-9:00 P.M.	<p>Reflection & Sharing Time: 1. Individually reflect on "How might your discipline perceive, analyze and communicate about R&U in the CNH marine system?"</p> <p>2. "Pair-Share": Pairs share their reflections on the linkages between R&U and CNH with one other pair</p> <p>3. Take some down time to relax and enjoy this place</p>	Library Seminar Room

Wed., Sept. 12th		
9:00 A.M.-10:30 A.M.	Morning Check In: Pairs share with the larger group their personal and disciplinary perspectives on R&U in the CNH marine system (sharing reflections from their trip in pairs, their individual disciplinary reflection, and their evening “Pair-Share”) Logistics of afternoon trip in pairing up with a student outside of your discipline <i>(Flaxen Conway)</i>	Library Seminar Room
10:30 A.M.-12:00 P.M.	Primer on the Program’s third Core Concept: Data <i>(Alix Gitelman, Katie McLaughlin)</i>	Library Seminar Room
12:00 P.M.-1:00 P.M.	Uncatered Lunch	Cafeteria
1:00 P.M.-3:00 P.M.	Core Concept in Practice: visit HMSC / Visitor Center and learn about the concept of R&U as it relates to ocean acidification and hypoxia with different perspectives <i>(Gil Silvia, Xin Liu, Iria Gimenez)</i>	HMSC Visitor’s Center
3:00 P.M.-4:00 P.M.	Break	
4:00 P.M.-5:30 P.M.	Students take a trip in a different “pair” (MUST choose someone OUTSIDE of your discipline) to explore the marine place -- take photos, journal, talk with people, etc. again – but this time look for and consider the concept of Data in the CNH marine system in Newport	Newport
6:00 P. M.-7:00 P.M.	Uncatered Dinner: Cook, share, relax	Cafeteria
7:00-9:00 P.M.	Reflection & Sharing Time: 1. Individually reflect on <i>How might your discipline perceive, analyze and communicate about Data in the CNH marine system?</i> 2. Pairs share their reflections on the linkages between Data and CNH with one other pair 3. Take some down time to relax and enjoy this place	Library Seminar Room

Thurs., Sept. 13th		
9:00 A.M.-10:30 A.M.	Morning Check In: Pairs share with the larger group their personal and disciplinary perspectives on Data in the CNH marine system (sharing reflections from their trip, their individual disciplinary reflection, and their evening “Pair-Share”)	Library Seminar Room
10:30 A.M.-12:00 P.M.	Bringing the Core Concepts Together: Changing ocean conditions are an excellent example of an issue to consider from a Data + R&U + CNH perspective (<i>Richard Brodeur, NOAA</i>)	Library Seminar Room
12:00 P.M.-1:00 P.M.	Uncatered Lunch	Cafeteria
1:00-2:00 P.M.	Bringing the Core Concepts Together in Practice: Visit USGC / Lighthouse to observe and consider the marine place and changing ocean conditions in Oregon.	Yaquina Head State Park Lighthouse
2:00 P.M.-3:30 P.M.	Panel: Topic = Alternative future scenarios for the marine place experiencing changing ocean conditions. Panelist: <i>Lorenzo Ciannelli, Ana Spalding, Kaety Jacobson, Samantha Chisholm, Kelly Biedenweg</i> (<i>Flaxen Conway</i> moderates)	Yaquina Head State Park Board Room
3:30 P.M.-4:00 P.M.	Break	
4:00 P.M. – 6:00 P.M.	Students gather in their NRT Project Team to begin to discuss <i>the Core Concepts and how they link to their team project</i> ¹	Library Seminar Room/Barry Fisher Room
6:00 P.M.-7:00 P.M.	Uncatered Dinner: Cook, share, relax	Cafeteria
7:00 P.M.-7:30 P.M.	Individual synthesis: Working with Cynthia Char again, create a second concept map for R&U analyses and communication, and have opportunity to reflect on any differences from your first map	Library Seminar Room
7:30 P.M.--9:00 P.M.	Considering this and the evolution you’ve undergone over the week regarding your perception of the three NRT core concepts, prepare a 3-minute <i>individual</i> presentation that captures your evolved perception. ²	

¹ One way to present and discuss your team’s NRT research and linkages with NRT core concepts is to follow the four steps outlined in the document ‘Project.docx’, located in Canvas, course information.

² One way to approach this presentation is to discuss the first and last rendition of the R&U concept map that you have created during the IFC, or summarize notes from your journal

Fri., Sept. 14th		
9:00 A.M.-10:00 A.M	Morning Check In: 1. Individuals share their 3-minute presentation (these will be video recorded)	Library Seminar Room
10:00 A.M.-10:15 A.M.	Break	
10:15 A.M.-11:00 A.M..	An individual from the 2017-18 cohort shares her team's process (how often they met, timeline, etc.) and product (transdisciplinary report), and how this transpired over time. Followed by Q & A (<i>Katlyn Haven</i>)	Library Seminar Room
11:00 A.M.-12:30 P.M.	Each team meets for 30 minutes and then shares with whole group: Talking about: <ul style="list-style-type: none"> - What is your contribution to team topic? - What is your biggest personal and professional asset? - What is your biggest challenge and expectations for the project? 	Library Seminar Room
12:30 P.M.-1:30 P.M.	Uncatered Lunch	Cafeteria
1:30 P.M.-3:30 P.M.	Wrap Up 1. End of class survey (<i>Cynthia Char</i>) 2.. Revisit the IDPs, and other program requirements, grading rubric TD (<i>Lorenzo Ciannelli</i>) 3.. Set plans for the academic year: each NRT Project Team begins to craft a schedule and set of objectives for developing/moving their projects forward	Library Seminar Room
3:30 P.M.	Head back to Corvallis	Newport to Corvallis