**Course Syllabus**

**Coastal Policy Lab/Conservation Clinic**

**Spring, 2022**

**ENV6932 Section ANGE class # \_\_\_\_\_**

Mondays, 4:00 pm – 6:00 pm

Phelps Lab; MLAC 213

Fall, 2021

Christine Angelini

[christine.angelini@essie.ufl.edu](mailto:christine.angelini@essie.ufl.edu)

Office: 575H Weil Hall; Lab 500 Weil Hall

253-294-7815

Office Hours: 1:30 – 3:30, Mondays; & upon request

**Law 6465; Class # 31587**

Class Period: Mondays, 3:30 -5:30 pm

Phelps Lab; MLAC 213

Fall, 2021

Thomas T. Ankersen

Ankersen@law.ufl.edu

Office: Bruton Geer Hall; Lab 500 Weil Hall

352-273-0840

Office Hours: 1:30 – 3:30, Mondays

& upon request

***Teaching Assistant/Peer Mentor/Supervised Teaching Student:***

* + Matthew DePaolis, CCS Coastal Policy Fellow
  + m.depaolis@ufl.edu
  + Office: 500 Weil Hall

***Course Description***

The Coastal Policy Lab/Conservation Clinic is an interdisciplinary experiential learning course designed to develop next generation professional skills, while serving marine and coastal stakeholders. Under faculty supervision, law and graduate science students will form collaborative teams to research and develop policy outcomes that can be deployed by clients on the ground. The course will include one or more field trips to allow students to become acquainted with the issues in the communities where they are working. Students will also perform project relevant field or lab experiments designed to demonstrate the application of the science-to-policy trajectory to their particular project. The course will also feature guest lectures by thought leaders in the field of marine and coastal science and policy, accompanied by policy relevant readings.

***Course Pre-Requisites / Co-Requisites***

None. Department controlled

***Course Objectives***

Over the duration of this course, clinic students will be introduced to, and become proficient in, various skills. By the end of the course, students should be able to:

• Structure and implement project planning that encompasses both broad, overarching objectives as well as the individual component steps necessary to achieve those objectives

• Work collaboratively with colleagues across science and policy disciplines to achieve a defined policy outcome.

• Integrate science and policy in fact-specific contexts

• Manage projects with regard to prioritization, professionalism, and client satisfaction

• Conduct interdisciplinary applied research and understand the role of data in the development of policy, and employ data visualization tools to facilitate stakehold understanding.

• Create professional policy deliverables and presentations that can lead to positive outcomes for clients and stakeholders

• Be familiar with several data visualization tools and how they are employed to enhance understanding in a policy contex.

• Speak professionally to audiences of varying levels of legal and policy sophistication.

***Materials and Supply Fees***

None

***Required Textbooks and Software***

None. Readings will be provided from published and non-published literature sources relevant to the weekly topics, as indicated below.

***Recommended Materials***

None. Readings will be provided from published and non-published literature sources relevant to the weekly topics, and to specific collaborative projects.

***Course Schedule***

***Spring 2022 Coastal Policy Lab Course Schedule***

**~~Week 1: Sunday, January 16~~~~th~~~~, 6 p.m.~~**

**TO BE RESCHEDULED**

**~~Topic:~~** ~~Oysters: Science, Policy & Management~~

**~~Guest Speaker:~~** ~~Professor Ed Camp, UF IFAS School of Forest, Fisheries & Aquatic Sciences,~~ [~~https://edvcamp.wordpress.com/~~](https://edvcamp.wordpress.com/)

**~~Monday, January 17~~~~th~~~~, 8 a.m.~~** ~~(Course Kick Off Field Trip to Cedar Key)~~

**~~Topic:~~** ~~Oysters and Clams: Wild harvest, Aquaculture and Restoration~~

**~~Guest Speaker & Guide:~~** ~~Mike Allen, Professor & Director, Nature Coast Biological Station~~

**Week 2: Monday, January 24th**

**Ice-Breaker:** Welcome, self-introductions.

Review course schedule & logistics; expectations; distribution of small group project assignments

**Topic:** Introduction to the Center for Coastal Solutions: Science to Policy; Policy to Science

**Reading:**

Medina, Miles and Kaplan, David and Milbrandt, Eric C. and Tomasko, Dave and Huffaker, Ray and Angelini, Christine, Nitrogen-Enriched Discharges from a Highly Managed Watershed Intensify Red Tide (Karenia Brevis) Blooms in Southwest Florida. Available at SSRN: <https://ssrn.com/abstract=4002417>

**Week 3: Monday, January 31st**

**Topic:** From Shoreline to Stateline: The Law and Policy of the Nearshore

**Lecture:** Tom Ankersen

**Skills Exercise**

**Reading:**

R. Steven Lewis, Matthew Butler & Timothy Rach, Special Permitting Considerations for Sovereign Submerged Lands and Aquatic Preserves (unpublished, July 2014).

**Small group breakouts**

**Week 4: Monday, February 7th**

**Topic:** Estuarine Ecosystem Dynamics

**Lecture:** Professor Christine Angelini

**Skills Exercise**

**Reading:**

Crotty S.M., Ortals C., Morrison E., Pettengill T.M**.,**Shi L., Olabarrieta M., Bianchi T.S., Altieri A.H., Craft C., Joyce M.A., Bertness M.D., Angelini C. 2020. Sea-level rise and the emergence of a keystone grazer alter the geomorphic evolution and ecology of southeast US salt marshes. [Proceedings of the National Academy of Sciences 117 (30): 17891-17902.](https://www.pnas.org/content/117/30/17891)

**Small group breakouts**

**Week 5: Monday, February 14th**

**Topic:** Restoration Aquaculture

**Lecture:** Matt DePaolis, J.D., CCS Coastal Policy Analyst

**Reading:**

Matthew DePaolis, Restoration Aquaculture: A Legal and Policy Analysis (Work in Progress)

Patterson, J. T. The growing role of aquaculture in ecosystem restoration. *Restor. Ecol.* **27**, 938–941 (2019).

**Week 6: No Monday Class**

**Tuesday – Wednesday, February 22nd & 23rd**

CCS Water Institute Symposium Track

Week 7: **Monday, February 28th**

**Topic:** Tools and Techniques for Data Visualization

**Guest lecture:** Miles Medina, Post-Doctoral Researcher, CCS

**Skills Exercise:** Data Visualization Exercise

Students to research use of data viz in policy development

**Thursday – Sat., March 3 – 5th**

Tampa Bay Estuary Field Trip

**Week 8 Spring Break**

**Week 9, Monday, March 21st**

**Topic:** Coastal hydrodynamics: Challenges with modeling the salt / freshwater interface

**Guest lecture:** Professor Maitane Olabarrieta, ESSIE

**Readings:**

Coco G, Zhou Z, van Maanen B, Olabarrieta M, Tinoco R, Townend I. 2013. Morphodynamics of tidal networks: advances and challenges. *Marine Geology* **346**: 1– 16.

Shi, L., Olabarrieta, M., Nolan, D.S. *et al.* Tropical cyclone rainbands can trigger meteotsunamis. *Nat Commun* **11,**678 (2020). https://doi.org/10.1038/s41467-020-14423-9

**Week 10, Monday, March 28th**

**Topic:** Science to Policy; Policy to Science: A Practitioner Panel

Guests: TBD

Readings: TBD

**Week 11, Monday, April 4th**

**Faculty Assisted Project Meetings**

**Week 12, Monday, April 11th**

Group project practice presentations with guest faculty reviewers; Preparation for final presentation to stakeholders

**Week 13, Dates and Times TBD**

Final Presentations to Stakeholders

April 20th UF Classes End

***Attendance Policy, Class Expectations, and Make-Up Policy***

Attendance is required. Roll will be taken at the beginning of each class period. Excused absences must be in compliance with the graduate catalog and documented accordingly.

***Class Preparation.***

Students should expect to spend at least two hours outside of class reading and preparing for every hour of class.

***Evaluation of Grades***

This course is graded as satisfactory/unsatisfactory for law students, and on the scale below for graduate students.

Students will be evaluated based on the following:

Class attendance, contribution to collaborative work, quality of research, written work product, participation in skills exercises, interim and final presentations.

This course is graded as satisfactory/unsatisfactory for law students, and on the scale below for graduate students.

***Grading Policy***

The following is given as an example only.

|  |  |  |
| --- | --- | --- |
| **Percent** | **Grade** | **Grade Points** |
| 90.0 - 100.0 | A | 4.00 |
| 87.0 - 89.9 | A- | 3.67 |
| 84.0 - 86.9 | B+ | 3.33 |
| 81.0 – 83.9 | B | 3.00 |
| 78.0 - 80.9 | B- | 2.67 |
| 75.0 - 79.9 | C+ | 2.33 |
| 72.0 – 74.9 | C | 2.00 |
| 69.0 - 71.9 | C- | 1.67 |
| 66.0 - 68.9 | D+ | 1.33 |
| 63.0 - 65.9 | D | 1.00 |
| 60.0 - 62.9 | D- | 0.67 |
| 0 - 59.9 | E | 0.00 |

More information on UF grading policy may be found at: <http://gradcatalog.ufl.edu/content.php?catoid=10&navoid=2020#grades>

***Students Requiring Accommodations***

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, https://www.dso.ufl.edu/drc) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

***Course Evaluation***

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

***University Honesty Policy***

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code (<https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

***Commitment to a Safe and Inclusive Learning Environment***

The Herbert Wertheim College of Engineering and the Levin College of Law value broad diversity within our community and is committed to individual and group empowerment, inclusion, and the elimination of discrimination. It is expected that every person in this class will treat one another with dignity and respect regardless of gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture.

If you feel like your performance in class is being impacted by discrimination or harassment of any kind, please contact your instructor or any of the following:

• Your academic advisor or Graduate Program Coordinator

**Engineering**

• Robin Bielling, Director of Human Resources, 352-392-0903, [rbielling@eng.ufl.edu](mailto:rbielling@eng.ufl.edu)

• Curtis Taylor, Associate Dean of Student Affairs, 352-392-2177, [taylor@eng.ufl.edu](mailto:taylor@eng.ufl.edu)

• Toshikazu Nishida, Associate Dean of Academic Affairs, 352-392-0943, [nishida@eng.ufl.edu](mailto:nishida@eng.ufl.edu)

**Law**

Rachael Inman, Associate Dean for Students, 352-273-0620, Inman@law.ufl.edu

***Software Use***

All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

***Student Privacy***

There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see: <https://registrar.ufl.edu/ferpa.html>

***Student Recordings of Class Lectures***

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled.  The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding.  All other purposes are prohibited.  Specifically, students may not publish recorded lectures without the written consent of the instructor.

A “class lecture” is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does notinclude lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor is prohibited. To “publish” means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.”

*Health and Wellness*

**U Matter, We Care:**

Your well-being is important to the University of Florida.  The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need.  If you or a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) so that the U Matter, We Care Team can reach out to the student in distress.  A nighttime and weekend crisis counselor is available by phone at 352-392-1575.  The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center.  Please remember that asking for help is a sign of strength.  In case of emergency, call 9-1-1.

**Counseling and Wellness Center:** <http://www.counseling.ufl.edu/cwc>, and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

**Sexual Discrimination, Harassment, Assault, or Violence**

If you or a friend has been subjected to sexual discrimination, sexual harassment, sexual assault, or violence contact the [**Office of Title IX Compliance**](https://titleix.ufl.edu/), located at Yon Hall Room 427, 1908 Stadium Road, (352) 273-1094, [title-ix@ufl.edu](mailto:title-ix@ufl.edu)

**Sexual Assault Recovery Services (SARS)**

Student Health Care Center, 392-1161.

**University Police Department**at392-1111 (or 9-1-1 for emergencies), or <http://www.police.ufl.edu/>.

*Academic Resources*

**E-learning technical suppor***t*, 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu. <https://lss.at.ufl.edu/help.shtml>.

**Career Resource Center**, Reitz Union, 392-1601. Career assistance and counseling. <https://www.crc.ufl.edu/>.

**Library Support**, <http://cms.uflib.ufl.edu/ask>. Various ways to receive assistance with respect to using the libraries or finding resources.

**Teaching Center**, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring. <https://teachingcenter.ufl.edu/>.

**Writing Studio, 302 Tigert Hall***,* 846-1138. Help brainstorming, formatting, and writing papers. <https://writing.ufl.edu/writing-studio/>.

**Student Complaints Campus***:* [https://care.dso.ufl.edu](https://care.dso.ufl.edu/).

**On-Line Students Complaints***:* <http://www.distance.ufl.edu/student-complaint-process>.