

Professional Development Course in Coastal Climate Resilience



UC SANTA CRUZ

Center for Coastal
Climate Resilience



Course Outcomes

A photograph of several yellow flowers, likely Goldenrods, in a field. The flowers are in various stages of bloom, with some showing bright yellow petals and others as buds. The background is a soft-focus green and brown, suggesting a natural outdoor setting.

Learn how to navigate coastal adaptation and sustainability projects from policies to practice.

Participants will know how to:

- Identify practical solutions for adaptation, sustainability, and resilience projects.
- Apply nature-based solutions to adaptation, sustainability, and resilience projects.
- Access resources for planning, technical assistance, funding, and implementing a project.
- Engage interested parties in resilience and adaptation projects in an equitable way.
- Network to collaborate on local and regional resilience projects.

Coastal Climate Resilience

Course Format & Participants

Hybrid Format

- 8 live online class sessions, each 90 minutes
- 2.5 day in-person workshop
- Both course components must be attended for credit
- Total 50 - 60 hours over 9 weeks
- Talks, activities, and expertise from a multisector network of top climate resilience and adaptation professionals

Participants

- This course is designed for those actively working in the field of coastal climate resilience with an aim to have participants apply learnings in real time.

Course Website

- <https://csp.ucsc.edu/certificate-in-coastal-sustainability-and-resilience/>

A photograph of a dense forest with tall trees and green foliage, serving as a background for the title.

Virtual Sessions

Class sessions are live via Zoom on **Fridays from 12:30 – 2:00 PM Pacific Time**

Each week:

- 1.5 hours live class session
- 1-1.5 hours outside of class
(variable based on weekly readings and
online discussions)
- Cross -disciplinary training

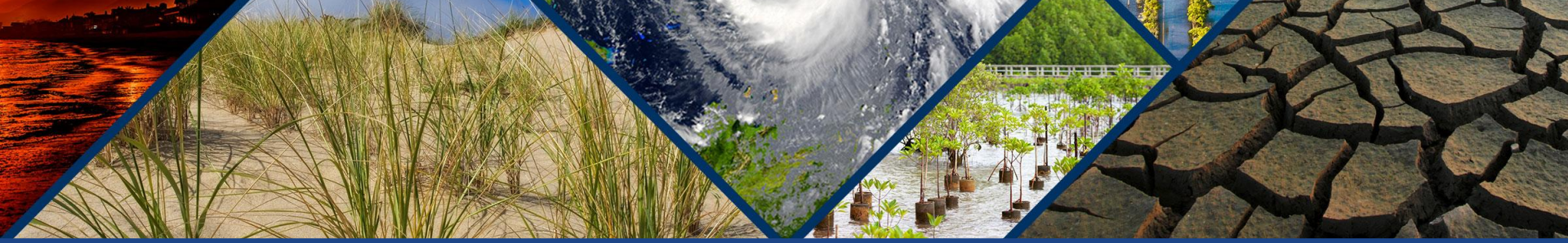
Week 1 | September 6

Principles of Coastal Resilience & Climate Change

Mike Beck | Director, Center for Coastal
Climate Resilience at UC Santa Cruz

Kris May | CEO and Founder, Pathways
Climate Institute

[Fall 2024 Course Syllabus](#)



Week 2 | September 13

Nature-based Solutions for Climate Adaptation: Case Studies & Tools

Megan Kelso | Conservation Scientist, Center for Coastal Climate Resilience at UC Santa Cruz

Janelle Kelman | Founder / CEO of The Center for Sea Rise Solutions; Member, BCDC Bay Adapt's Local Electeds Regional Task Force; Former Mayor of Sausalito

Rod Braun | Global Director at Conservation International

Christopher Lee Allen | Global Principal, Regenerative + Nature-based Solutions at Jacobs

Week 3 | September 20

Nature-based Solutions Case Studies Continued & Policies Relevant to Nature-based Solutions

Heather Tallis | UCSC Center for Coastal Climate Resilience Executive Fellow; Former Assistant Director for Biodiversity and Conservation Sciences in the White House Office of Science & Technology Policy

Julie Beagle | EWN Coastal Practice Lead, Environmental Planning Section Chief, San Francisco District

Landolf Rhode-Barbarigos | Assistant Professor in the Department of Civil, Architectural and Environmental Engineering at the University of Miami



Week 4 | September 27

Equitable Engagement of Interested Parties

Renee Collini | Director, Community Resilience Center at The Water Institute

Maya Trotz | Professor, Dept. of Civil & Environmental Engineering, College of Engineering, University of South Florida

Week 5 | October 4

Sources and Steps to Financing Coastal Resilience at National Levels

Janan Reilly | Acting Branch Chief, Community Infrastructure Resilience, Hazard Mitigation Assistance, FEMA HQ

Kim Penn | Climate Coordinator at National Oceanic & Atmospheric Administration (NOAA)



Week 6 | October 11

Insurance and Innovative Financing for Resilient Communities

Guillermo Franco | Managing Director & Global Head of Cat Risk Research at Guy Carpenter

(Jane) Carter Ingram | Managing Director at Pollination

Week 7 | October 18

Data Sources, Tools & Models for Resilient Coastal Adaptation

Borja Gonzalez Reguero | Associate Professor, Coastal Science and Policy at UC Santa Cruz

2.5 Day Workshop

Held at UC Santa Cruz's Coastal Science Campus

Practical Applications Towards Resilient Coastal Adaptation

October 24 | 9:00 am – 5:00 pm Pacific time

October 25 | 9:00 am – 5:00 pm Pacific time

October 26 | 9:00 am – 1:00 pm Pacific time



Fellowships

Limited fellowships are available and we are particularly interested in supporting tribal members and practitioners and liaisons from underserved communities. Fellowships may include:

Tuition

Travel & lodging costs

Email csp@ucsc.edu by August 13

Registration | UCSC Extension

- Course Registration: \$2,500
- Travel and lodging are additional costs
- Register through University Extension website

Scan me



Questions

csp@ucsc.edu

