

These courses are open to all CPP Students

RS 1110: Introduction to Regenerative Studies. 3 Units

Asynchronous – Steven Sandifer, Instructor (Class Number 32541)

Face to Face – W 3:00 – 5:50 PM – Building 209W Room 0212 – Douglas Kent, Instructor (Class Number 32542)

A survey of interactions between physical, biological, and social systems essential for human life, including food, water, energy, shelter and waste management. Development of conscious understanding of the relationship between people and their social and physical environments, through examination of systems that sustain future generations through the regeneration of critical resources and ecosystem processes. *Course fulfills GE Area E Requirement.*

RS 3010: Life Support Processes. 3 units.

Asynchronous – Douglas Kent, Instructor (Class Number 34772)

Face to Face - M 1:00 – 3:50 PM – Building 209C Room 0101 – Steven Sandifer, Instructor (Class Number 32543)

Understanding the complex physical and biological systems, and the social context within which they occur, which provide resources and processes to meet the basic needs of human communities. These systems and processes provide water, food, energy, shelter, atmosphere, and a functional landscape. *Meets General Education, Area B5, Science and Technology Synthesis Requirement.*

RS 3020: Global Regenerative Systems. 3 units.

Face to Face T/TH – 1:00 – 2:15 PM – Building 209C Room 0101 – Dr. Jerry Mitchell, Instructor (Class Number 32851)

Study of the institutional factors affecting the implementation of regenerative practices needed to meet the challenges of limited resources. Investigations of the global effects of human activities in the pursuit of food, water, energy, shelter, and waste sinks. *Meets General Education Area D4, Social Science Synthesis Requirement.*

RS 3030: Organization for Regenerative Practices. 3 units.

Asynchronous - Beth Anne Falstad, Instructor (Class Number 32840)

Face to Face – W – 12:00 – 2:50 PM – Building 209C Room 0101 – Elektra Grant Instructor (Class Number 32788)

Investigation of sustainable organizing processes for regenerative practices. The cultural and institutional organizing processes are examined at the global, multi-national, national, regional, local, family, and individual levels. These processes are analyzed in relation to population, food production, resource and waste management, energy systems and shelter. *Meets General Education Area C4, Humanities, or D4, Social Science Synthesis Requirement.*

RS 4140/4140L: Edible Landscapes. 2 units and 1 unit.

Face to Face T 10 :00 – 11:50 AM, and Th 1:00 - 3:50 PM – Building 209W Room 0212 – Claudia Serrato, Instructor (Class Numbers 32794/32795)

This course provides a space to engage the sensory body in cultivating knowledge production and application of this knowledge within ecological regenerative relationships and systems. Indigenous ways of knowing (traditional ecological knowledge) and Indigenous eco-feminisms provide critical teachings, lessons and earth-based knowledge towards a de-colonial praxis of regeneration. This student-centered community will embody these teachings and apply them in identifying plants in their life cycles and life histories, identifying their edible parts, predicting their ecological flavor profiles, tasting the plants, identifying its culinary uses, and preparing some edible landscape food tastings. This practice of culinary ethnobotany through active student-centered engagement will include talking circles, research, plant observations, and foraging

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RS 4140/4140L: Permaculture Design. 2 units and 1 unit.

Face to Face Th 10 :00 – 11:50 AM, and Th 1:00 - 3:50 PM – Building 209W Room 0212 – Larry Santoyo, Instructor (Class Numbers 32796/32795)

Permaculture is Design Protocols for Decision Making and Problem Solving based on the Patterns of Nature. Using a multidisciplinary approach this course will focus on the requisite systems of food, water, shelter, energy conservation, waste management, education, economics, and others in designing and developing sustainable human settlements. The importance of the connectivity of these systems will be stressed through an in-depth introduction to the ethics, principles, and practices of permaculture design as well as systems ecology, global indigenous practices, biomimicry, and design thinking. Topics relating to regenerative farming, soil-food-web, climate conditioning and biodiversity, natural building, cultural inclusivity, accessibility, education, restoration, and urban productivity will be explored and demonstrated in students' final design presentation.

RS 4200/4200L: Watershed Restoration 2 units and 1 unit

Face to Face F 9:00 – 10:50 AM and F 12:00 to 2:50 PM – Building 209C Room 0101 – Dr. Jeff Marshall, Instructor (Class Numbers 32789/32790)

Watershed restoration strategies integrate basic concepts of hydrology, sedimentology, geomorphology, and ecology in an effort to reverse degraded water quality and watershed function. This course explores the physical processes of watersheds and stream corridors through lectures, field trips and case study discussions. Students will engage in hands-on field work and address current watershed problems at local field sites.

RS 4500: Sustainable Communities. 3 units.

Asynchronous – Timothy Kohut, Instructor (Class Number 32792)

Historical survey and cross-cultural study of sustainable communities in relation to their particular built form. Examination and analysis of intentional communities as models of traditional and/or alternative patterns. Exploration of legal and economic organization of land holding or facilitating experimentation. 4 lecture discussions. Prerequisites: One GE course from each of the following sub-areas: A1, A2, A3, and C1, C2, C3 and D1, D2, D3. **Meets General Education Area C4 Humanities or D4, Social Science Synthesis**

RS 4650: Ecological Processes. 3 units

Face to Face T 4:00 – 6:50 PM – Building 209 Room 0212 - Clay Noss, Instructor (Class Number 32797)

The resiliency of California's urban areas is constantly being tested. Blackouts, droughts, earthquakes, floods, riots, wildfires, and now pandemics have challenged the state's ability to deliver vital services time and time again. Join this class and learn how to create urban areas that provide access to essential goods and services. This class provides an overview of the energies, products and services that can be captured, grown and harvested from managed landscapes. More specifically, we will explore energy, food, landscaping, medicine, public health, self-care, textile, timber and water systems. The goal for this class is to create urban areas that prioritize resiliency and the regeneration of essential goods and services. Because this course is both conceptual and practical, a majority of the assignments are creative and hands on.

RS 4990-1: Environmental Economics in Public Policy International Cooperation and Corporate Sustainability. 3 units.

Asynchronous - Kevin Grell, Instructor (Class Number 32798)

In this class, we explore how environmental concerns inform public policy, international cooperation (e.g. the UN's 17 Sustainable Development Goals), and corporate sustainability initiatives (e.g. the Carbon Disclosure Project, Climate Action 100+). We will take a deep dive into the role of carbon accounting and develop a detailed understanding of some of the key drivers behind combating climate change, such as California's cap-and-trade system for carbon emissions.

RS 4990-2: Global Indigenous Processes – 3 units.

Asynchronous – Beth Ann Falstad Instructor (Class Number 32799)

Investigation of vernacular technologies, traditional ecological knowledge, cultural traditions and mythologies. Global indigenous processes are examined according to climatic and geographic regions in relation to infrastructure, social systems, shelter, food production, resource management, waste management, and energy systems.

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RS 4990-3: Introduction to Building Simulation. 3 units.

Face to Face W 6:00 – 8:50 PM - Building 209C Room 0101, Timothy Kohut, Instructor (Class Number 32800)

This class will focus on simulation energy modeling in buildings. Students will use several software platforms to simulate conceptual energy use and also study detailed energy analysis. Additionally, students will study the impact of embodied carbon in the building material selected. The next generation of architects, engineers, urban planners, and designers will need to have skills to perform predictive energy modeling, identifying strategies and roadmaps for design teams to take to hit zero net energy targets. This class will introduce students to the tools and concepts needed to guide these discussions.

RS 4990-4: Placemaking through Art 3 units.

Asynchronous– Cybele Lyle, Instructor (Class Number 32801)

Inspired by the Center for Regenerative Studies, this course will explore connecting to place through the practice of art making. We will learn about a wide range of artists who work in this way, looking at examples of site-specific and site-based work, land art, performance, mapping and signage art and relational aesthetics, among others. We will start with an open exploration of place, focusing on where each student currently is situated – your neighborhood. We will then expand to getting to know the Center through learning about the basic ideas behind its design and existence. Throughout the course we will do a range of observation and response-based projects such as drawing, writing and photography that connect us to place - wherever we are. We will use these explorations to understand our own place and how that place relates to the Center. Students will observe place over time to first connect to the place where we each live and then to find a project that will connect in some way to the Center. The class will incorporate the sense of connect and disconnect to a place based on physical distancing - what does it mean to connect to a place that is far away? What does it mean to connect to our own home? Students working in any media and from any major are encouraged to take this class as an interdisciplinary range of backgrounds, experience and ways of thinking will benefit the group.

RS 4990-5: Democratizing Community Planning. 3 units.

Synchronous Th 7:00-9:50 PM – Monique Lopez Garcia, Instructor (Class Number 34777)

In this course, we will consider how democratizing planning and design could be used to dismantle unjust systems and ensure a sustainable future. We will examine undemocratic planning through social history and its connection to structural racism. We will learn what is the people's "right to the city", why democratizing planning is important, how planners and community members can shift planning practice and facilitate a "Just Transition," and how to use popular education tools and strategies to "build the new" planning paradigm. We will study theoretical frameworks and practitioner principles for democratizing and decolonizing planning practice and how to apply participatory methodology in everyday planning practice.

RS 4990-6: Climate Positive Design with Natural Processes. 3 units

Face to Face M 6:00 – 8:50 PM Building 209 Room 0218 – Dr. Pablo La Roche, Instructor (Class Number 34778)

Natural processes such as passive heating and cooling, rainwater harvesting, and regenerative agriculture, play an important role in reducing our impact on climate change and move us to a climate positive future. This course explores connections between regenerative systems and principles, with a focus on specific actions and solutions that solve real world problems. Students enrolled in different programs are encouraged to take this class and work collaboratively in projects developed over the course of the semester.