



Arboretum Interactive Ecology Internship
Agency Sponsor: Brett Hall
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Fall Quarter 2019 Interactive Ecology interns will participate in field botany and vegetation surveys in central coast natural areas, and work in the California Conservation Gardens in the UC Santa Cruz Arboretum.

The internship is a 5 Unit upper or lower division ENVS course. 15 hours per week is the average level of participation. The Contract requires 120 field hours during the quarter. This fall, 2019, the internship will take place primarily Tuesday through Thursday. There will be field trips scheduled once we get a going in the quarter. The week-day schedule may change slightly from week to week and to the extent possible, we will build it around participants' availability as I am interested in group participation and team efforts. Detailed scheduling will be in advance.

Contact Brett Hall, California Native Plant Program Director, for more information and to set up an interview for admission to the class. (831) 212-4853; brett@ucsc.edu.

Course description:

The field portion of the internship will consist mostly of trips to local natural areas where participants will learn and practice vegetation survey methods used by the California Native Plant Society (CNPS) and California Department of Fish and Wildlife (CDFW). We have several ongoing projects that our efforts will support. During these field trips, discussions and investigations will take place about conservation and land management, ecology & evolution, and goals for the Arboretum native gardens and program. Interns will be assigned to gather more information and research one or more topics or facets each week. There will be assigned and optional readings. All participants will keep a journal. Photography, illustration and using GPS and smart phone technology will be required (e.g. ESRI Collector, etc.), though not necessarily all of the above. Participants will be required to develop plant lists, and create short narrative descriptions of study areas each week.

For those seeking upper division credit, it will be most helpful to identify a project directly related to internship activities.

The California Conservation Garden component of the course will consist of:

- Trail work
- Brush removal
- Weeding, especially invasive weeds
- Nursery work—transplanting, seed treatments and planting, asexual propagation of collections with cuttings and divisions
- landscaping and planting
- preparing lists of species and associations to fit geographic, ecological and horticultural themes identified in the conceptual plan for the gardens.

