

ENVIRONMENTAL SCIENCE

Natural and Applied Sciences Division

Jamie Alonzo, Division Dean

Division Office, Room 701

David Schwartz, Department Chair, (831) 479-6495

Aptos Counseling: (831) 479-6274 for appointment

Watsonville Counseling: (831) 786-4734

Call (831) 479-6328 for more information

<http://www.cabrillo.edu/programs>

ES 10 Introduction to Environmental Science

3 units; 3 hours Lecture

Recommended Preparation: Eligibility for ENGL 100 or ESL 100 and READ 100.

Repeatability: May be taken a total of 1 time.

Covers the physical, biological, chemical, and human systems that constitute the Earth's environment. Topics include geological processes, hydrology, natural resources, climatology, population biology, ecosystems, biodiversity, biochemistry, and the chemistry of pollution. Includes an analysis of how human behavior and institutions effect the environment.

Transfer Credit: Transfers to CSU; UC.

ES 10L Introduction to Environmental Science Lab

1 unit; 3 hours Laboratory

Recommended Preparation: Eligibility for ENGL 100 or ESL 100 and READ 100.

Repeatability: May be taken a total of 1 time.

Presents hands-on exploration for topics associated with Environmental Science including watershed monitoring and field trips to local agencies.

Transfer Credit: Transfers to CSU; UC.

ES 15 Energy and a Sustainable Future

3 units; 3 hours Lecture

Recommended Preparation: Eligibility for ENGL 100 or ESL 100 and READ 100; Eligibility for MATH 154.

Repeatability: May be taken a total of 1 time.

Explores the personal, community, national, and global creation and use of energy in the past, present, and future including environmental effects, resource depletion, and climate change. Examines renewable energy technologies and paths to a sustainable energy future.

Transfer Credit: Transfers to CSU; UC.

ES 15L Energy and a Sustainable Future Lab

1 unit; 3 hours Laboratory

Hybrid Requisite: Completion of or concurrent enrollment in ES 15.

Recommended Preparation: MATH 154 or equivalent skills; Eligibility for ENGL 100 or ESL 100 and READ 100.

Repeatability: May be taken a total of 1 time.

Presents hands-on exploration for topics associated with ES 15 such as physics of energy and power: measurement and generation, renewable energy, and conservation.

Transfer Credit: Transfers to CSU; UC.