SALISH COAST

April 28 – June 04, 2025

FACULTY OF NATURAL & APPLIED SCIENCE

Students will spend one week on TWU campus preparing for the trip, and then travel to Galiano Island staying at a waterfront property. There will be out trips to both nearby Salt Spring Island and also to Alder Island located off the northeast coast of Vancouver Island. Students will investigate many different beaches and trails to gain hands-on experience studying marine life and plants in the field. Plant Ecology students will spend time on TWU's Crow's Nest Ecological Research Area which contains a rare Garry oak meadow community, one of the most threatened ecosystems in Canada. Marine Ecology students study the facinating world of intertidal species as well as open ocean marine mammals.

TRINITY WESTERN UNIVERSITY

SALISH COAST TRAVEL STUDY

COURSES

April 28 – June 04, 2025

BIOL 216 TR – PLANT ENVIRONMENTS

This course examines the crucial role of plant ecology in shaping major habitats, including those in British Columbia. It also addresses the theme of critical assessment of planetary stewardship across various issues in plant ecology. Field trips throughout the course will highlight the population dynamics and interrelationships of plant communities in natural habitats, agricultural crops, and managed forests. A trip to Salt Spring Island will highlight the threatened Garry oak ecosystem and other features of interest. **Prerequisite: Instructor's consent**

BIOL 262 TR – MARINE BIOLOGY

This course presents a study of the life history and distribution of marine organisms in several major habitat types, including soft sediment and rocky substrate communities. Emphasis is on field and laboratory work in a survey of common local marine plants and animals and their relationships. Most of the field work takes place at many beach sites around both Galiano and Alder Island. **Prerequisite: Instructor's consent**

BIOL 316 TR – PLANT ECOLOGY

This course examines the crucial role of plant ecology in shaping major habitats, including those in British Columbia. It also addresses the theme of critical assessment of planetary stewardship across various issues in plant ecology. Field trips throughout the course will highlight the population dynamics and interrelationships of plant communities in natural habitats, agricultural crops, and managed forests. A trip to Salt Spring Island will highlight the threatened Garry oak ecosystem and other features of interest. **NB: Summer sessions only. Includes field work in the Gulf Islands. Prerequisite(s): BIOL 103, 104, and 105; or BIOL 113, 114.**

BIOL 362 TR – MARINE ECOLOGY

This course is a study of the ecological relationships of marine life in several major habitat types. Emphasis is on productivity, food webs, nutrient cycling, and community ecology. Ecosystem parameters are investigated through field and laboratory studies. Most of the field work takes place at many beach sites around both Galiano and Alder Island **Prerequisite(s): Advanced standing in biology and instructor's consent. BIOL 308 and/or 360 strongly recommended**

INSTRUCTORS

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