Virtual Field Teaching Materials

for University Faculty

Fall 2020

Do you want to introduce your students to ecosystems and field research during the pandemic? The Virtual Field, a coalition of 50+ field stations and marine laboratories around the globe, is creating a suite of virtual teaching materials that help instructors introduce students to field research and teach them to observe evidence of ecological concepts (species, habitats, processes and human-environment interaction). Materials target students at all levels and include instructor guides and student assignments.

Scenes from the 2020 Live from the Field event "Fire across the Continent"

Ecosystem Exploration Videos

5-min unnarrated videos help students make their own observations of ecological and evolutionary concepts in ten marine, freshwater and terrestrial habitats. Instructor Guide and Materials

Live from the Field Events

50-minute live events introduce students to field research and give them opportunities to talk with researchers at their field sites. Registration is required. Events are recorded. Instructor Guide and Events

July 1, 2020 - Fire Across the Continent
September 23, 2020 - Harmful Algal Blooms
October 13, 2020 - Intertidal Climate Change
November 9, 2020 - Nutrient Cycling in Grasslands

Videography Support

Two 20-minute instructional videos help faculty without previous experience create their own field videos using a smartphone. Part I: How to Use Your Smart Phone to Film a Field Video, Part II: How to Edit Your Field Video

The Virtual Field Portal

Coming in September, thevirtualfield.org helps faculty discover virtual field teaching materials and live events.

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