



# MOSSES: IDENTIFICATION, ECOLOGY, AND PHYSIOLOGY, AN INTRODUCTION TO MAINE MOSSES



2025 EAGLE HILL  
NATURAL HISTORY  
SCIENCE SEMINARS  
ON THE COAST OF  
EASTERN MAINE

**Instructor: Theresa Clark**

**When: July 27 - August 2, 2025**



This introductory-level seminar (for students, educators, and nature enthusiasts) is focused on mosses (a group of bryophytes) of Maine (and the northern latitudes of N. America, as mosses are broadly distributed). Lectures, field trips, and lab time will give participants a strong foundation in moss biology, identification, and ecology. Students will explore a variety of habitats while learning to (1) recognize common moss genera/species, (2) determine microhabitat specificity and ecological function, and (3) assess climate-stress and protective microhabitats. Lectures will review research on moss vulnerability to climate change and unique aspects of moss physiology that may offer resiliency to some species. In the lab, students will view (beautiful) morphological diversity, develop microscope skills, and use keys to identify species. The seminar will prepare participants to collect and continue studying mosses on their own. No prior experience with moss identification or microscopes is needed. Join us for an immersive journey into the miniature but mighty world of Maine's mosses!

[GENERAL INFO](#)

[CALENDAR](#)

[APPLY](#)



## about the instructors

**Dr. Theresa Clark** (theresaannclark@gmail.com) is a bryophyte ecologist and professor originally from Maine, where she fell in love with bryophytes during an Eagle Hill seminar in 2004. Her M.Sc. is from Northern Arizona University, where she studied moss diversity and ecology in the Grand Canyon. Her PhD is from the University of Nevada, Las Vegas, where she studied moss resiliency to climate change. As a postdoc at the University of Minnesota, she continued to study the desiccation ecology of dryland mosses. She has contributed to several moss floras (e.g. in Costa Rica and the Shawangunk Mountains of New York). She offers regular moss outreach events and workshops for children and adults alike. When not “mossing”, she teaches biology at St. Catherine University, in St. Paul, MN. See more at <https://www.mossesinmotion.com/>.