

2023 William Main Seminar Series: Silviculture for Ecological and Alternative Objectives



Spring 2023 • Select Wednesdays • 4-5:30pm • Mulford Hall, Room 103



April 12th, 2023

Ecological Silviculture and Climate Adaptation in the Central Hardwoods Region

Dr. Miranda Curzon, Assistant Professor of Silviculture and Applied Forest Ecology, Iowa State University

Land use change, fragmentation, and altered disturbance regimes have negatively impacted oak-hickory forests across the Central Hardwoods Region over the last 170 years. This has led to changes in forest structure, species composition, and wildlife habitat as well as degraded timber quality. Resulting management challenges are compounded by emerging forest health threats and other anticipated stressors. While ecological silviculture has been applied to varying degrees in other regions of the United States for some time, application across the Central Hardwoods region is limited, with little guidance for incorporating adaptive capacity into forest management. Dr. Curzon will discuss proposed ecological silviculture systems for Central Hardwoods forests and woodlands, a multi-state collaborative Adaptive Silviculture for Climate Change (ASCC) study in the Driftless Area, and overlap between ecological silviculture and climate adaptation in this region.....

Dr. Curzon holds a MS in Natural Resources from University of Vermont and a PhD in Natural Resource Science and Management from the University of Minnesota. Her research addresses many topics in silviculture relevant to the northern forests of the US and Canada and forests across the Central Hardwoods region with a focus on climate adaptation and ecological silviculture. She is Chair Elect for Iowa SAF and an Associate Editor for the Canadian Journal of Forest Research.

To learn more about the William Main Seminar Series, please visit forests.berkeley.edu/events or contact rachelle.hedges@berkeley.edu.

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