

# Workshop on Landscape Ecology

**Lead Instructor:** **Dr. Samuel Cushman**  
 Research Ecologist  
 US Forest Service, USA

## Course Schedule

Day	0930-1130		1150-1300		1400-1545		1600-1730
Day1	<b>Introduction</b> <i>Landscape Ecology <u>Lecture</u></i>	Teak Break: 1130 - 1150	<b>Session 1</b> <i>Introduction to GIS and Data Format for Landscape Ecology <u>Lecture</u></i>	Lunch Break: 1300 - 1400	<b>Session 2</b> <i>Open Source GIS <u>Lab</u></i>	Teak Break: 1545 - 1600	<b>Session 2</b> <i>Open Source GIS <u>Lab</u></i>
Day2	<b>Session 3</b> <i>Spatial Pattern Analyses <u>Lecture</u></i>		<b>Session 4</b> <i>Understanding Patch Metrics <u>Lecture</u></i>		<b>Session 5</b> <i>Fragstats <u>Lab</u></i>		<b>Session 5</b> <i>Fragstats <u>Lab</u></i>
Day3	<b>Session 6</b> <i>Distribution Modeling and Habitat Analyses <u>Lecture</u></i>		<b>Session 7</b> <i>Multiscale Modeling <u>Lecture</u></i>		<b>Session 8</b> <i>Multiscale Modeling and GLM <u>Lab</u></i>		<b>Session 8</b> <i>Multiscale Modeling and GLM <u>Lab</u></i>
Day4	<b>Session 9</b> <i>Movement Ecology <u>Lecture</u></i>		<b>Session 10</b> <i>Path-level Analyses <u>Lecture</u></i>		<b>Session 10</b> <i>Path-level Analyses <u>Lab</u></i>		<b>Session 11</b> <i>Landscape Resistance <u>Lab</u></i>
Day5	<b>Session 12</b> <i>Connectivity Modeling <u>Lecture</u></i>		<b>Session 12</b> <i>Landscape Genetics <u>Lecture</u></i>		<b>Session 13</b> <i>UNICOR Connectivity <u>Lab</u></i>		<b>Session 13</b> <i>Landscape Genetics <u>Lab</u></i>