

**ECOLOGY 460 LAB SCHEDULE FALL 2007 1:20-5:25 M-R, 110 Birge Hall**  
**BOTANY/ZOOLOGY/FOREST ECOLOGY & MANAGEMENT 460**

WEEK		LAB TOPIC
1	5 September (Wed)	No lab: be sure to purchase lab manual by September 10. Pay \$20 lab fee in the Botany office by September 17.
2	10	<sup>1,3</sup> Orientation, Introduction to Sampling (Muir Woods), Tree & Bird ID Discussion: Leopold-Forward, Klages
3	17	<sup>1,2,4</sup> Arboretum Field Trip I: Greene Prairie Restoration Experiment + Tree & Bird ID, Grady Tract Restored Plant Communities
4	24	<sup>1,2</sup> Baxter's Hollow field trip Discussion on bus: Kennedy, Kerr
5	1 October	<sup>1,2,4</sup> Arboretum Field Trip II: Tree & Bird ID, north Arboretum Restored Plant Communities.
6	8	<sup>1,2</sup> Pheasant Branch Conservancy, Madison School Forest Discussion on bus: Exam review
7	15	<sup>3</sup> Greene Prairie Restoration Experiment 2 (Lab – Analysis) Discussion: Leopold-Thinking like a mountain, Escudillo
8	22	<sup>1,3</sup> Age-Structured Population Growth Model, other Population Models Discussion: Connell
9	29	<sup>1,3</sup> Leaf Stomate Density; Spatial Patterns of Plant Populations Discussion: Currie
10	5 November	<sup>3</sup> Landscape Ecology: Analysis of Landscape Pattern Discussion: Mladenoff
11	12	Optimal foraging models Discussion: Vitousek, Leopold-Odyssey
12	19	No lab: Thanksgiving
13	26	<sup>1</sup> Winter Birds I: Tree & Bird ID (Picnic Point) Discussion: Pastor
14	3 December	<sup>3</sup> Winter Birds II (Lab - Analysis). Phenology writeup due in lab. Discussion: Stokstad
15	10 December	Open notes Laboratory Exam

<sup>1</sup>Outdoor Lab: long pants, closed shoes, repellent, etc.    <sup>2</sup>Away from campus all 4 hours    <sup>3</sup>Bring calculator

<sup>4</sup>Bring work gloves if you have them. Wear waterproof work boots if you have them.

At the beginning of most labs there will be a short quiz including questions about the day's Lab Manual exercise and the discussion paper(s) listed for that day.