

## BIOLOGY 315L: ECOLOGY LAB

### LAB INFORMATION

**INSTRUCTOR:** Dr. Michael Collins  
Phone: 843-3557  
Office: FJ 106-W  
[collinsm@rhodes.edu](mailto:collinsm@rhodes.edu)

**LAB:** Th 12:30 – 3:30  
FJ 145-W  
**Office hours by appointment**  
Email is the best way to contact me.

### TENTATIVE LAB SCHEDULE

Week	Day	Date	Topic
1	Th	25 AUG	Observing patterns & generating hypotheses Introduction to RES & Group Projects
2	Th	1 SEP	Habitat description & quantification
3	<b>F-Su</b>	<b>9-11 SEP</b>	<b>Weekend trip to Meeman-Shelby Forest</b>
4	Th	15 SEP 17 SEP	Addressing hypotheses <b>Wolf River canoe trip (optional)</b>
5	Th	22 SEP	Statistics & data presentation
6	Th	29 SEP	Life tables and population growth
7	<b>F-Su</b>	<b>7-9 OCT</b>	<b>Weekend trip to Meeman-Shelby Forest</b> Present RES & weekend logistics
8	Th	13 OCT	Predator-prey dynamics
9	Th	20 OCT	Group Projects – meet with Dr. Collins
10	<b>F-Su</b>	<b>28-30 OCT</b>	<b>Weekend trip to Meeman-Shelby Forest</b>
11	Th	3 NOV	Determining interactions and experimental design
12	Th	10 NOV	Group Project papers due (peer evaluations)
13	Th	17 NOV	Wastewater treatment plant with Peter Alfonso
14	Th	24 NOV	<i>NO LABS – THANKSGIVING BREAK</i>
15	Th	1 DEC	Group Project presentations

Notes

inVEST (modeling program for land use decisions) – Natural Capital Project (Gretchen Daily)

Peter Alfonso 636-4302, [peter.alfonso@memphistn.gov](mailto:peter.alfonso@memphistn.gov)  
North (Stiles) plant  
2302 N. 2<sup>nd</sup> St.

Computer labs: days, reserve room, install software

Group projects: 2? Peer evals. Expand mini projects to include presentation in lab

Canoe labs(s)

GIS lab(s)

<b>Week</b>	<b>Date</b>	<b>Topic</b>
1	25 AUG	Observing patterns & generating hypotheses Introduction to RES & Group Projects
2	1 SEP	Habitat description
3	8 SEP	Addressing hypotheses
4	17-19 SEP	Statistics & data presentation
5	22 SEP	Present RES & weekend logistics <b>Weekend trip to Meeman Biological Field Station</b>
6	29 SEP	Life tables and population growth
7	6 OCT <b>8-10 OCT</b>	<b>Weekend trip to Meeman Field Station &amp; MS River</b>
8	13 OCT	Predator-prey dynamics
9	20 OCT	Water quality assessment with Jerry Garrett, USGS
10	27 OCT	Predator-prey dynamics
11	3 NOV	Determining interactions and experiments
12	10 NOV	Peer evaluations of Group Project papers
13	17 NOV	Wastewater treatment plant with Peter Alfonso
14	24 NOV	<i>NO LABS – THANKSGIVING BREAK</i>
15	1 DEC	Group Project presentations