

F14 Aug: Introduction to ecology and evolution; overview of course.  
16 Aug: Science and religion "conflict".  
Biol 3250, Fall

*Lab Week 1: Natural history and natural history notes.*

Week 2 (21, 23 Aug)

21 Aug: History of evolutionary biology (from the Greeks to the geeks).

23 Aug: Macroevolution I (phylogeny and "tree-thinking").

*Lab Week 2: Forest diversity, part I (South Forty)*

Week 3 (28, 30 Aug)

28 Aug: Molecular evolution (sources of genetic variation, genetic distance, molecular clocks)

Week 4 (04, 06 Sept)

04 Sept: Microevolution II (two locus Hardy-Weinberg).

06 Sept: Microevolution III (one locus HW review; "inbreeding").

*Lab Week 4: Microsatellite DNA analysis I.*

Week 5 (11, 13 Sept)

11 Sept: Microevolution IV (assortative mating/disassortative mating).

13 Sept: Review Session I.

*Lab Week 5: Microsatellite DNA analysis II.*

Week 6 (18, 20 Sept)

18 Sept: **Midterm I.**

20 Sept

Week 11 (23, 25 Oct)

23 Oct: Population Ecology

Week 16 (27, 29 Nov)

27 Nov: Review session III.

29 Nov: **Midterm exam III.**

*Lab Week 15:* Final drafts due

Week 17 (03, 06 Dec)

06 Dec: **Final Exam (10:15am-12:15pm).**