

UNBC, College of Science and Management
NRES 798: Statistical Methods for Ecologists

Syllabus – Winter 2013

Instructor

Oscar García, Room 8-309, 960-5004, garcia@unbc.ca.

Office hours: Monday and Friday 14:00 to 16:00, or by appointment.

Course webpage

<http://web.unbc.ca/~garcia/NRES798>. See also Mike Gillingham's course pages: <http://web.unbc.ca/~michael/courses/stats/nres798.htm>.

Course description

This is intended as a second course on Statistics, focusing on the methods most relevant for research in ecology and other biological sciences. Specialized ecological techniques will not be covered. The labs will use the R statistical system by default, but students experienced in other packages can use those instead. The course plan is flexible, and will be adapted according to the student's particular backgrounds and interests.

Prerequisites: Permission of the instructor.

Textbook (required reading)

Gotelli, N. J., and A. M. Ellison, *A Primer of Ecological Statistics* (Second Edition), Sinauer Associates, Inc., 2013. The First Edition is OK too, available on reserve at the library.

Schedule

Lectures: Wednesday and Friday 11:30 – 12:50 in 10-4560.

Labs: Tuesday 15:00 – 17:50 in 5-157.

Grading and expectations

Two Midterm and one Final Exam (cumulative), worth 25% each.

One project analyzing data relevant to the student research, presented in the format of a journal article, worth 25%.

Attendance and class participation are expected, and may influence borderline grading decisions.

Academic honesty: Refer to pages 49–53 of the UNBC 12/13 Graduate Academic Calendar.