

EEB 698: Analysis of species composition data
Semester: Fall 2019
Instructor: Philip Dixon
Day/Time: Wednesdays 1:10-2:40
Location: 3121 Snedecor Hall

Format:

Lectures by Philip Dixon,
Discussions where possible,
Computing exercises,
Student presentations of projects

Topics to be covered:

Types and characteristics of species composition data
Dissimilarity-based and model-based analyses
Measuring similarity in species composition
Ordination, i.e. graphical representation of similarity
 how nMDS works
Interpreting nMDS results
Model-based analysis of response to environment or treatment

If time and student interest:

Clustering, choice of ordination or clustering
The acronym stew: other approaches to ordination

My expectations:

You will attend regularly,
do any assigned readings prior to seminar,
participate in the discussions, and
present a 15 min talk at the end of the semester.