

FISH 631: Data Analysis in Community Ecology

Course Syllabus

1. Course information:

Title: Data Analysis in Community Ecology

Number: Fisheries (FISH) 631

Credits: 3

Prerequisites: STAT 200, STAT 401, MSL 494, or equivalent, FISH 693 (Stat. Comp. with R) or familiarity with R, general ecology, graduate standing in fisheries or permission of instructor.

Locations: Juneau: TBD; Fairbanks: TBD

Meeting times: TBD

2. Instructor:

Franz Mueter, office: Lena Point 315, Office Hours: Tue & Thu 1-5pm or by appointment. Hand-outs or pdf files

6. Instructional methods:

Lecture format with question and answer periods and occasional group discussions; short hands-on sessions will introduce methods discussed in class; weekly homework assignments will re-

26	3.d.vi. Identifying species and station groups in species abundance data 1. Overview
27	2. Cluster analysis
28	Review & questions
29	Final Examination

8. Course policies:

- a. Attendance is mandatory unless excused beforehand
- b. Tardiness is unacceptable and will impact evaluations
- c. Class participation is encouraged and will be part of your grade. You are encouraged to ask questions and comment as you feel appropriate in class.
- d. Small-group discussions and collaboration on homework assignments and projects are encouraged
- e. I will try to schedule exams to avoid conflicts. However, there are some unavoidable circumstances that may take precedence (such as field work). If you inform me in a timely manner, I will arrange for a makeup exam.
- f. Plagiarism is unacceptable and will result in a failing grade for the assignment

9. Evaluation: See Table below.

Item	Date	Percent of Grade
1. Homework assignments	Throughout semester	40
2. Mid-term examination	See course outline	10
3. Individual project	Last day of classes	20
4. Final examination	See course outline	20

