ECL 290 – Landscape Genetics

Time: TBD; contact Andrea, Bryan, and MJ if you are interested in the course by 12/1 as we will poll students and find a time that works best for everyone

Student organizers: Bryan Currinder (bcurrinder@ucdavis.edu) and MJ Farrugia (mjfarruggia@ucdavis.edu)

Faculty sponsor: Andrea Schreier (amdrauch@ucdavis.edu)

The overall goal of this ECL 290 is to give participants familiarity with the basic concepts, analyses, research designs, and applications of landscape genetics (and potentially genomics, if enough interest). This 290 will not give participants a robust understanding of how to run or validate specific modeling techniques used in landscape genetics or quantitative spatial analyses (we don’t have enough time for that), but it should still provide an introduction to the concepts underlying these models and point participants toward resources for specific modeling help. Students will lead discussions on weekly reading assignments and give short presentations (depending on enrollment). We may also invite a guest speaker to discuss how they’ve applied landscape genetics in their research.

Course materials: Selected papers and book chapters (TBD)