

**Coastal Population Genetics**  
**FW 590**

**Credit hours:** 6

**Term offered:** Fall, HMSC, alternate years, 07, 09

**Instructor:** Michael Banks

**Course content:** Hands on course in the application of molecular population genetics towards fishery management in the coastal arena. Morning 2-3 hrs lectures and lab-based afternoons (3-4 hrs) twice a week (8 weeks) will provide experience in population genetics study design, sampling, DNA extraction, PCR, review of analysis techniques including sample data other than that derived in the course. Class will focus on fishery questions of current interest, perform the study, and involve significant paper review. Final project write-up prepares multi-authored papers for peer review.

**Prerequisites:** BI 311

**Text required:**

**Term papers:** Final project.

**Testing:**

**Students for whom the course is intended:** Graduate students