## Special Topics Fish 695: Management of Pacific Salmon Management (4 cr.)

## Odd Year Summers, June 20 – July 10

Instructors:

• Dr. Ray Hilborn University of Washington (206) 543-3587 rayh@u.washington.edu

• Dr. Milo Adkison University of Alaska Fairbanks

(907) 474-1811 mdadkison@alaska.edu

• (plus numerous guest lecturers)

Room and board provided.

Open to 4 students from UAF and 4 from UW, w/ permission of instructor. Submit letter of interest to Milo Adkison (mdadkison@alaska.edu).

**Course Goals:** This course will provide a comprehensive study of salmon management with a particular emphasis on the quantitative methods used in Alaska and in other jurisdictions for estimation of abundance, run forecasting, and evaluation of harvest strategies. Learning will take place through a combination of lectures, computer laboratories and field experience in data collection. The centerpiece of the course will be the fishery for Bristol Bay sockeye salmon during the field season, and students will actively track the return of salmon to the fishing districts of Bristol Bay, and attempt to estimate the total return as the runs develop from the field data available to management staff.

**Student Learning Outcomes:** Familiarity with the variety of fishery stakeholders, their viewpoints and objectives; understanding of the goals, regulatory framework, and practice of Alaskan salmon management; capable of applying simple salmon assessment models to data and interpreting the results.

## Prerequisites

Permission of instructor. Students will ideally have taken courses in salmon biology, and basic statistical methods.

**Materials**: Readings will be provided on site. A laptop computer is required (see instructor if you can't find one). Room and board is provided, but students are responsible for airfare and tuition.

Please bring a sleeping bag. Also, personal gear, including a towel. Although the course is mostly indoors, some field trips will require warm clothing and rain gear. Calf and/or chest waders may be useful. Fishing opportunities are pretty good – don't forget your license. Safety briefings and an orientation will be provided by the camp manager on the first day of class.

The facilities include bunkhouses, wireless internet, showers/toilets, laundry facilities, and a cookhouse complete with cook. All camp residents are expected to periodically participate in chores such as dishwashing and cleaning.

## **Course format:**

4 credits graded. The course will meet 7 days per week from 20 June until 10 July in at the Aleknagik field camp of the University of Washington. Daily activities will include a mix of lectures, computer laboratories and field trips.

**Evaluation:** There will be individual and group homework assignments (50% of the grade), including a group term project (25% of the grade). Individual assignments may be substituted for group work if other group members are unsatisfied with a student's contributions. Participation in daily lectures, computer lab, and field assignments will be 25% of the grade. The following standards will be used for assigning grades:

>93%	А
90-93%	A-
87-89%	$\mathbf{B}+$
83-86%	В
80-82%	B-
77-79%	C+
73-76%	С
70-72%	C-
67-69%	D+
63-66%	D
60-62%	D-
<60%	F

**Course Policies:** Attendance during the lecture and laboratory sessions is required, absent prior permission of the instructor. Any material missed during lecture sessions is the responsibility of the student. Any work missed during laboratory sessions is the responsibility of the student. With written permission from the instructor, you may make up the missed work outside of the laboratory sessions.

Students are reminded to consult the Student Code of Conduct. Cheating, plagiarism, and other forms of academic dishonesty will not be tolerated in this class. You will receive an F in this class if you are caught cheating or plagiarizing. Specifically, students will not collaborate on inclass exams, unless the instructor of the course grants permission. Only those materials permitted by the instructor may be used to assist in exams. Students will not represent the work of others as their own.

**Disabilities Services:** The Office of Disability Services implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials. We will work with the Office of Disabilities Services (203 WHIT, 474-7043) to provide reasonable accommodation to students with disabilities.