

**TENTATIVE COURSE SYLLABUS**  
**AP EC 490, SECTION 008**  
**CREATIVE INQUIRY:**  
**ECONOMICS/STATISTICS OF TROUT FISHERIES**  
**SPRING 2008**

**INSTRUCTORS:** Dr. Webb M. Smathers, Jr., Professor, 293 Barre Hall  
([wsmthrs@clemsun.edu](mailto:wsmthrs@clemsun.edu))

Dr. William C. Bridges, Jr., Professor, 243 Barre  
([wbrdgs@clemsun.edu](mailto:wbrdgs@clemsun.edu))

**CLASS TIME/** - A103 P&AS, W, 6:00 p.m.  
**LOCATION:** - Field trips to streams and other locations will be required

**OFFICE HOURS:** Smathers: M, W, 1:30-2:30 p.m. or by appointment.  
Bridges: T, TH, 8:00 -11:00 a.m. or by appointment.

**COURSE DESCRIPTION:** To learn the resource differences, relevant statistical measures, and economic value measures, that distinguish trout stream augmentation for “Put and Take” streams versus “Delayed Harvest” streams.

**PREREQUISITES:** Permission of Instructors.

**REQUIRED**  
**TEXTBOOKS:** None.

**COURSE GOALS:** To add to students’ knowledge of how economics and statistics can help solve real world issues related to coldwater fisheries and a sustainable environment.

**COURSE OUTLINE:**

In semester one, students will visit with members of the South Carolina Department of Natural Resources, the Chattooga Chapter of Trout Unlimited, the staff at the Walhalla Fish Hatchery, and possibly the North Carolina Department of Wildlife to learn about the history of TS verses DHS, and also learn exactly how the stocking procedures work.

In semester two the students will learn to measure three groups of variables that can be used to compare TS and DHS streams. The first group consists of stream quality variables such as temperature, pH, dissolved oxygen, etc. The second group of variables will be fisherman variables such as number of trips, distance traveled, fish caught, dollars spent, etc. The third group of variables will be fish quality variables such as size, density, age class distribution, etc. Learning exactly which variables to measure, and how to measure them, will be a very interesting component of this study.

In semester three the students will learn to use economic and statistical methods they have seen in previous classes to begin comparing the streams. They will also learn several new methods that will come up specific to this study.

In semester four the students will prepare written reports and posters on the specific sets of variable that they measured and analyzed. The posters can be presented at the Undergraduate Research Poster Session of the Southern Regional Natural Resource Economists meeting. The written reports can be published in a venue such as the South Carolina Wildlife Federation Newsletter.

### **GRADE DETERMINATION:**

Contract grading. Students will contract with the professors for a predetermined amount of quality work for a specific grade.

### **CLEMSON UNIVERSITY'S STATEMENT ON ACADEMIC INTEGRITY:**

“As members of the Clemson University community, we have inherited Thomas Green Clemson’s vision of this institution as a ‘high seminary of learning.’ Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty distracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.”

“When in the opinion of a faculty member, there is evidence that a student has committed an act of academic dishonesty, the faculty member shall make a formal written charge of academic dishonesty, including a description of the misconduct, to the Associate Dean of Undergraduate Services. At the same time, the faculty member may, but is not required to, inform each involved student privately of the nature of the alleged charge.”

Academic Dishonesty WILL NOT BE TOLERATED.