FISHERIES SCIENCE

WFS 443, 3 Credits

Prof. Richard J. Strange

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http://web.utk.edu/~rstrange/

Objectives of the Course:

To introduce the student to various freshwater fisheries, their problems, and approaches managers take in attempting to solve these problems

To provide hands-on experience with important management techniques.

Components of the Course:

Lectures - Will be from at 12:40-1:55 on Tuesdays and Thursdays in Room 113 PBB.

Class Field Trips - The two class field trips will be tours of fish hatcheries and you will be tested on material presented. Meet for the Thursday field trips at 12:40 in front of Plant Sciences.

Reading - An online module *Limnology Review* and a booklet *Management of Tennessee Ponds and Small Lakes* are on the web site. Test questions will come from the readings.

Student Teams - In order to provide hands-on experience, students will need to work in teams. To insure full participation by all team members, teams are limited to five people. All team members must be present during each field excursion. All team members must contribute to the reports and final presentation.

Team Projects - There will be 3 team field assignments to be conducted on a convenient stream in the local area. Assignments are on the web. Teams must find study sections and arrange sample trips themselves. The TA will check out equipment. Team leader will be responsible for submitting collection report to me for TWRA, I will send you a template in Excel.

Team Reports - Due dates for reports on the first two assignments are given on the course schedule. Results of all three assignments will be part of the final report. Team reports will be put on the web. All web sites must be operable by the due date for the first report. Use your UT UNIX account (if you don't have one go here: http://help.utk.edu/kb/index2.php?func=show&e=19). Each student will present his/her contribution in his/her web space and the report will flow between sites with links. One URL will act as the "front door" and be the starting point. Keep the backgrounds, fonts, etc. uniform so reports/presentations appear seamless. The first two reports may contain only data and calculations. The final report should contain data, text and photos to fully present your project. If you use a material from another web site attribute it with a link. Attribute any other references with a conventional citation. Each team will get time to show their final report to the class.

Grading - Grades will be based on a written midterm (100 points), reports (40 points: 10 points for execution of each assignment and 10 points for overall presentation), and a comprehensive oral final (100 points).

CLASS SCHEDULE

Date	Topic	
1/11	Introduction	
16	Pond construction	
18	Pond management	
23	Pond management	**(Teams formed)**
25	Pond management	
30	Stream management	
2/1	Stream management	
6	Reservoir management	**(Equipment check out begins)**
8	Reservoir management	
13	Reservoir management	
15	Human dimensions	
20	**No Class**	
22	Human dimensions	**(Report on assignment #1 due)**
27	Aquaculture	
3/1	Aquaculture	
6	Aquaculture	
8	**Midterm**	
12-16	**Spring Break**	
20	**No Class**	
22	**No Class**	
27	**Field Trip** (Eagle Bend)	**(Report on assignment #2 due)**
29	**No Class**	
4/3	Final reports	**(Report on assignment #3 due)**
5	Final reports	**(Report on assignment #3 due)**
10	**Field Trip** (Buffalo Springs)	
12-on	Oral Finals Scheduled	