Course Syllabus for ZOOL 561 Fisheries Management, Fall term, 2014

Syllabus is subject to change at any time at the discretion of the instructor!

Instructor: Jim Lamer
Office Telephone #: 217-256-4519
Fax #: 217-256-4519
Email: JT-Lamer@wiu.edu
Office: Waggoner 302/Kibbe Field Station
Office Hours: by appointment

Time and Location: Class: Monday 9:00 AM to 12:00 PM at WG 315. Field trips are planned which may require extended blocks of time necessary for intensive sampling.

Course Description:

Techniques of study, maintenance, and improvement of fisheries resources.

This course covers the history, theory, and practice of fisheries management. Students will study how biotic and abiotic factors influence fisheries, learn methods of fish collection and assessment, gain experience with quantitative analysis of fisheries data, and learn the principles of fisheries management.

Prerequisites: Prerequisite: ZOOL 414 or permission of the instructor; graduate standing in biology.

Suggested Texts:

Grading Policies:

Attendance: There are no unexcused absences. Students that miss class will be at a disadvantage since much of the test material is covered during class. Make up tests will only be offered for excused absences. Valid excuses for missing class are illness, family emergencies, floods, pestilence, car problems, (will need documentation). Chronic tardiness will not be tolerated. After the second offense, 5 points will be subtracted from a student’s total points for each additional offense, unless the student has a valid
excuse. **Cell phone use will not be tolerated by students during class, and students will be asked to leave class on repeat offenses.**

**Missing quizzes and exams:** If a student has to miss an examination or quiz, she/he will have to notify the instructor a week in advance (except in the case of emergencies). Acceptable reasons for missing an exam are confining illness, death, or serious illness in the family. The instructor does not allow make-ups exams/quizzes without advance notice. Outside verification is required. Arrangements for make-up tests have to be made within a week after the student returns to class.

**Conflicts with other university activities:** If a student expects to miss a quiz because of some other university activity, the matter must be resolved a week in advance.

**Special trips** – We may be required to meet outside the normal class times for special trips. If for some reason the student cannot attend, an additional assignment will be required for each trip missed. However, most trips will try to be scheduled within regular class times.

**Standard grading scale:**

**Graduate**

- **A** 92-100%
- **B** 84-91.9%
- **C** 76-83.9%
- **D** 68-75.9%
- **F** <67.9

**Grade components: 550 pts total**

**Only scientific names will be accepted for organisms unless otherwise indicated and spelling counts.** All scientific names must be underlined (i.e., *Amia calva*). Late assignments will be deducted 5 points each day they are late past the due date.

**Quizzes (100 pts):** Quizzes will be administered during the first 15 minutes of each class. There will be a total of 10 quizzes worth 10 pts each over the assigned reading material.

**Participation (50 pts):** Participation in paper discussions and case studies will be a significant portion of the grade. If the student doesn’t contribute at least 3 separate times during a paper or case study discussion or the instructor feels that the student was unprepared and didn’t read the required material, then the student will be deducted 5 points from the total participation points.

**Test 1 (100 pts):** All material covered up to this point will be on the first exam. Tests will consist of short answer and essay questions.
Test 2 Final exam (100 pts): Comprehensive final –comprehensive exam over all material covered. Tests will consist of short answer and essay questions.

Presentation (100 pts): Each student will be responsible for giving a 20-30 minute powerpoint presentation on a fisheries topic determined by the instructor and student related to fisheries management.

Assignments (100 pts) Assessments will be given throughout the class ranging from management plans to homework.

Graduate students: Graduate students will be held to a higher standard than undergraduate students. An additional essay question on each test will be required for each graduate student showing synthesis of the material.

Corrections on Exam/Quiz Scores: If a student finds errors in the scoring of his/her exam, please notify the instructor within one week of the day the exam was returned to the class. After this period, no further corrections will be made to past exams.

Teacher Certification and Minimum Course Grade Requirement:

STATE ACCREDITATION POLICY INFORMATION:

“In accordance with Illinois State Board of Education certification rules, all candidates seeking teacher certification are required by Western Illinois University to obtain a grade of “C” or better in all directed general education course, all core courses, and all courses in the option. Note: A “C-” is below a “C”. Please note: any secondary science teacher certification student wanting to see how this course is aligned with the State and National Standards should see their advisor and/or examine the Secondary Science Teacher Certification WesternOnline Advising site.

Special Arrangements: If you need course accommodations because of a disability or you have emergency medical information to share with the instructor, or if you need other special arrangements, please make an appointment with me as soon as possible. If you have questions concerning the services available for those with special needs at WIU, please contact Disability Support Services at 309/298-2512.

Academic dishonesty: Cheating or plagiarism of any form will not be tolerated in any form. If you have questions about what the instructor perceives as plagiarism or cheating, please consult the instructor. The Department Of Biological Sciences Official Definition and policy on plagiarism is provided below:

DEPARTMENT OF BIOLOGICAL SCIENCES
Western Illinois University

Definition of Plagiarism
The faculty of the Department of Biological Sciences ascribes to a definition of plagiarism as expressed by V. E. McMillan in *Writing Papers in the Biological Sciences* (Bedford/St.Martin’s Press, New York, pg 16)

“Plagiarism is the theft of someone else’s words, work, or ideas. It includes such acts as (1) turning in a friend’s paper and saying it is yours; (2) using another person’s data or ideas without acknowledgement; (3) copying an author’s exact words and putting them in your paper without quotation marks; and (4) using wording that is very similar to that of the original source but passing it off as entirely your own even while acknowledging the source.”

This includes information in textbooks or laboratory manuals, honors and masters theses, field journals, all writing assignments, and images. The faculty of the Department attempt to monitor student writing assignments (essay exams, papers, laboratory reports, and other writing assignments or exercises) for incidence of plagiarism. If plagiarism is found, the faculty will discuss the situation with the student and indicate to the student the penalty for this academic dishonesty. Potential penalties include those cited in the academic dishonesty section of the WIU web page, [http://www.wiu.edu/policies/acintegrity.php](http://www.wiu.edu/policies/acintegrity.php)

**Tentative Course Schedule:** Rainfall affects water levels and, so schedule is subject to change based on weather and discretion of the instructor.

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<thead>
<tr>
<th>Week</th>
<th>Course Subject</th>
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<tbody>
<tr>
<td>1 (August 25)</td>
<td>Syllabus overview</td>
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<tr>
<td>2 (September 1)</td>
<td>No class – Labor Day</td>
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<tr>
<td>3 (September 8)</td>
<td>Paper discussion, History of fish management, fish biology and conservation</td>
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<tr>
<td>4 (September 15)</td>
<td>Paper discussion, Aquatic environment, case study, L/W and condition</td>
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<td>5 (September 22)</td>
<td>Paper discussion, case study, RSD, PSD, Swingle ratios, fish aging and somatic growth</td>
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<td>6 (September 29)</td>
<td>Paper discussion, mortality</td>
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<td>7 (October 6)</td>
<td>First exam (100 pts)</td>
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<td>8 (October 13)</td>
<td>Paper discussion, case study, Small impoundment management</td>
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<td>9 (October 20)</td>
<td>Small impoundment sampling</td>
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<td>10 (October 27)</td>
<td>Small impoundment sampling</td>
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<td>11 (November 3)</td>
<td>Recruitment, population growth, yield</td>
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<td>12 (November 10)</td>
<td>Paper discussion, Community Ecology, population ecology</td>
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<td>13 (November 17)</td>
<td>Paper discussion, case study, Sportfisheries, commercial fisheries, stocking</td>
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<td>14 (November 24)</td>
<td>No Class - Thanksgiving</td>
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<tr>
<td>December 1</td>
<td>Paper discussion, rivers and streams, coldwater fisheries, endangered species, exotic species</td>
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<td>December 8</td>
<td>Presentations (100 pts)</td>
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<tr>
<td>December 15-19</td>
<td>Final exam (Cumulative 100 pts)</td>
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I verify that I have read and understand the above syllabus for ZOOL 476/ZOOL 595 Fisheries Techniques Spring 2013:

Print name______________________________

Signature______________________________ Date____________________