

CLASS LOCATION AND MEETING TIME:

This course is delivered entirely in an online format; consequently, there will not be any on-campus meetings. Also, there are no formal online meeting requirements for this course though regular check-ins throughout the week are highly recommended. Deadlines for all assessments are provided in Canvas in several locations (e.g., on the assignment directions, in the announcements, etc.).

COURSE WEBSITE: canvas.unk.edu

INSTRUCTOR'S CONTACT INFORMATION:

Dr. Melissa R. Wuellner, Assistant Professor

Office: BHS 345

Office hours: Mondays and Wednesdays: 10:00 – 11:00 AM; Tuesdays and Thursdays: 2:00 – 3:30 PM

(***Note that these are the best times to get in contact with me during the week, but other times may be available to fit with your schedule.*)

Office phone: 865-8006

Email: wuellnermr@unk.edu or through Canvas

COURSE DESCRIPTION:

this course was developed to provide a thorough examination of both theoretical and applied aspects of fisheries ecology. Major themes of the course will include individual ecology (feeding, growth, and reproduction), population ecology, and community ecology (predation and competition). Selected scientific literature and text readings will stress professional difference of opinion during discussion of topics, which is intended to guide students toward an understanding that ecological principles rarely are simple and that current dogma can at times be incorrect or incomplete. Finally, this course is directed at improving student communication (written and electronic information/technology based) and critical thinking skills.

STUDENT LEARNING OUTCOMES:

By the end of this course, students should be able to:

- 1) Describe the differences between fisheries ecology, fisheries science, and fisheries management and how these three terms fit together.
- 2) Describe the ecology of any given fish species and how various factors contribute to the success or loss of that species.
- 3) Describe the interaction of fish within their communities, namely through the lenses of predation and competition.

PREREQUISITES:

There are no formal prerequisites for this course but this course is only open to those who are enrolled at UNK as graduate students.

INSTRUCTIONAL METHOD:

This course is presented entirely online; therefore, good time management and self-study skills are critical to your success! Extra effort is often required in an online course compared to the classroom-based version because most of the work rests on your shoulders. You will be required to read or view the assigned materials (including the short lecture videos) each week. Most weeks include at least one discussion. Weekly course updates and reminders will be provided via the "Announcements" feature in Canvas. Communication with the instructor can be by phone, e-mail, or in person. You are encouraged to use all three as frequently as needed.

You will be tested on your ability to critically evaluate, reflect on, integrate, and apply course information through written assignments and open-book “exams.” You are welcomed to work with or share thoughts about your assignments and exams with your classmates, but you will be required to write and submit your own original material.

COURSE REQUIREMENTS:

Students are required to complete all textbook or other assigned readings, view all presentations, and contribute to all discussions as scheduled. Assignments and exams must be turned in by the assigned due dates. Students should make the effort to log into the class throughout the week rather than just one or two days, even if it is just a “quick check” of the discussions or announcements.

MISSED ASSIGNMENTS/QUIZZES/EXAMS AND MAKE-UP POLICY:

Any and all discussion, assignments, and exams in this class **MUST** be submitted by the designated deadline (see course calendar below) unless you and I have discussed otherwise. If you do not have an approved absence, you will receive a zero on that assignment. Please note that computer emergencies (e.g., hard drive crashed, etc.) are **NOT** considered an excuse. You should always have an alternative means of accessing or submitting electronic information and course work. If you have an emergency (e.g., illness, death in the family, etc.), please contact me no later than 36 hours after the missed deadline to make new arrangements.

REQUIRED MATERIALS:

All required readings will be provided on Canvas. There is no single textbook to purchase as I will be drawing from many textbooks, journal articles, and popular readings to illustrate the concepts of this course. If you are interested in purchasing any of the textbooks referenced in class for the future, please let me know and I can provide more information.

For research resources, please be sure to use your local library as well as online search engines (e.g., Google Scholar) as you will likely need to access older articles that may or may not be available online.

GRADING POLICY: Below is a roughly estimated breakdown of the assignments and points for this course. Please note that these points may be subject to change but that those changes will be communicated with you in a timely fashion. Grades will be entered in Canvas so you should be aware of where you stand throughout the semester.

| Grade Item | Points |
|----------------------|------------------|
| Species Review Paper | 50 |
| First Exam | 100 |
| Final Exam | 100 |
| Discussions | 100 - 200 |
| Various Assignments | 125 |
| TOTAL | 475 – 575 |

Grades in this class will be assigned according to the standard scoring system described below. Only by attaining these percentages can you be assured of receiving a desired grade.

| | | | | | |
|-----------|-----------|----------|-----------|-----------|----------|
| A+ | 97 – 100% | A | 94 – 96 % | A- | 90 – 93% |
| B+ | 87 – 89% | B | 84 – 86% | B- | 80 – 83% |
| C+ | 77 – 79% | C | 74 – 76% | C- | 70 – 73% |
| D+ | 67 – 69 % | D | 66 – 64% | D- | 60 – 63% |
| | | F | < 60% | | |

Please note: If your final grade is within 0.5% of the next highest grade, your grade will be rounded up (e.g., an 89.50% will be considered an “A-”). This is the definitive cutoff for rounding grades. There will be no exceptions to this policy.

COURSE CALENDAR: This is a *tentative* course schedule. If changes are made to the schedule, the class will be notified. Check the assignment directions, the Canvas calendar, and the “Announcements” page for due dates for discussions, assignments, and exams. Please note that this schedule is subject to revision as necessary. Changes to the schedule will be communicated in a timely fashion.

| Week | Dates | Unit(s) | Readings | Discussions | Assignments |
|------|---|---------------------|--|---------------------------|---|
| 1 | 6/3 – 6/9 | Course Introduction | Introduction to Fisheries Ecology, Fisheries Science, and Fisheries Management | None | Introduction Video (10 points) Sign-up for Student-led Discussions |
| 2 | 6/10 – 6/16 | Individual Ecology | Feeding, Growth, and Activity | Student-led discussion(s) | Submit topic for Species Review paper (10 points) |
| 3 | 6/17 – 6/23 | Individual Ecology | Reproduction | Student-led discussion(s) | Continue working on Species Review paper Scenario: What do you need to know? (25 points) |
| 4 | 6/24 – 6/30 | Population Ecology | Stock-Recruitment Relationships | Student-led discussion(s) | Species Review Paper due (50 points) |
| 5 | 7/1 – 7/7 | Population Ecology | Evolutionary Changes due to Fishing? | None | First Exam (100 points) |
| 6 | 7/8 – 7/14 | Community Ecology | Competition and Food Web Readings | Student-led discussion(s) | Creating Food Webs (40 points) |
| 7 | 7/15 -7/21 | Community Ecology | Invasive Species | Student-led discussion(s) | Scenario: What if...? (40 points) |
| 8 | FINAL EXAM (100 points) – Due by 11:59 pm on Friday, July 26 | | | | |

PLAIGARISM:

Plagiarism is defined as using more than four consecutive words from a source without a citation. You may not use another's words directly without putting them within quotations. It is also plagiarism when either an author's ideas or organization of concepts are used without giving a citation. We expect you to use references for assignments given in this course and we expect you to cite your sources. Students caught plagiarizing will receive a failing grade for the assignment and will face additional punishments up to expulsion as outlined by University policy. I invite you to visit the online resource <http://www.plagiarism.org/> to make sure you understand what plagiarism is and how to avoid it.

STUDENTS WITH DISABILITIES OR THOSE WHO ARE PREGNANT:

Students with disabilities or those who are pregnant are encouraged to contact me for a confidential discussion of their individual needs for academic accommodation. It is the policy of the University of Nebraska at Kearney to provide flexible and individualized reasonable accommodation to students with documented disabilities or those who are pregnant. To receive accommodation services for a disability, students must be registered with UNK Disabilities Services Coordinator, David Brandt, in the Academic Success Office, 163 Memorial Student Affairs Building, 308-865-8214 or by email unkdso@unk.edu. For those needing accommodation due to pregnancy, you need to visit with Student Health. The following link provides information for students and faculty regarding pregnancy rights. <http://www.nwlc.org/resource/pregnant-and-parenting-students-rights-faqs-college-and-graduate-students>.

REPORTING STUDENT SEXUAL HARASSMENT, SEXUAL VIOLENCE OR SEXUAL ASSAULT:

Reporting allegations of rape, domestic violence, dating violence, sexual assault, sexual harassment, and stalking enables the University to promptly provide support to the impacted student(s), and to take appropriate action to prevent a recurrence of such sexual misconduct and protect the campus community. Confidentiality will be respected to the greatest degree possible. Any student who believes she or he may be the victim of sexual misconduct is encouraged to report to one or more of the following resources:

Local Domestic Violence, Sexual Assault Advocacy Agency: 308-237-2599
Campus Police (or Security): 308-865-8911
Title IX Coordinator: 308-865-8655

Retaliation against the student making the report, whether by students or University employees, will not be tolerated.

VETERANS' SERVICES:

UNK works diligently to support UNK's military community by providing military and veteran students and families with resources and services to help them succeed. Veterans Services assists with the GI Bill process and acts as a liaison between the student and the Veterans Administration. If you need assistance or would like more information, please contact Lori Weed Skarka at 308-865-8520 or unkveterans@unk.edu.