Instructor: Dr. Nathan Eidem  
Phone: 308.865.8684  
Email: eidemn@unk.edu  
Office hours: WTh 10:00-12:00. Alternatively, please arrange office hour appointments by email.

Course Description:
Students will discuss weekly student and faculty speakers, primary literature, and Ted Talks. This course is designed to introduce students to a number of biological research areas. In this course, students learn about current issues in biology, critically evaluate primary literature and scientific presentations, and present research to their peers.

Course Objectives: Following completion of this course, students should be able to:
1. Discuss scientific findings critically with their peers
2. Have a broad understanding of different fields within biology
3. Effectively communicate to their peers the major findings, limitations, and logical next steps of a research article

Textbook:
None. All resources for this class can be found online and in Canvas.

Computer and Software:
Access to a computer with internet access, Microsoft PowerPoint. Software can be purchased through UNK bookstore at a discount. We will have video presentations that require the use of a webcam. These can be found through Walmart or Amazon starting around $10.

Communication
The best way to reach me is through email. I will respond to email fairly quickly and if you need to talk to me please email me and we can set up a time to talk further. You should frequently check your UNK email and Canvas for course assignments or announcements. Seminars and other pertinent information will be posted on Canvas.

Grading
Discussion (10pts/each)  80
Critical Evaluation Week 3 (20pts)  20
Ted Talk/Podcast (20pts)  20
Position Paper (50pts)  50
Presentation (60pts)  60
Total  230

Grades will be assigned using the Department of Biology standard grading scale: follows: A (93-100%), A- (90-92%), B+ (88-89%), B (83-87%), B- (80-82%), C+ (78-79%), C (73-77%), C- (70-72%), D+ (68-69%), D (63-67%), D- (60-62%), and F (below 60%).
Late submissions will be docked 10% per day for up to 3 days.

Discussion
I will post assignments on Monday of each week and you will have until the following Saturday to participate. Then students must complete secondary discussion with other students by the following Tuesday. To receive full credit, students must make significant new contributions to the discussion and not simply agree or disagree to the previous response. Peer-Reviewed References will be required to support your statement. Please be considerate of your classmates’ responses; abusive comments or attacking other student’s comments will not receive credit. Comments should be constructive even if you disagree with another student.

Possible topics of discussion for each presenter may include methodology, statistics, experimental design, the quality of figures, clarity of presentation, data interpretation, and conclusions. Students should also discuss peer-reviewed articles that are relevant to the topic. Discuss major findings of the article and whether they refute or support the speaker’s hypothesis. I want to know what your thoughts are on the research, don’t simply summarize the article. The reference should be included in the text as well as at the end of your post. Posts should be kept to ¾ to 1 page in length.

TED Talks
Find a TED Talk or podcast (Radiolab, Nature podcast, etc.) on a topic of your choice and write a small summary and lead discussion on that topic for the week. The summary and discussion should include relevant peer-reviewed articles and critical review of the talk. Guidelines are as follows: You can pick any TED talk/podcast you would like (as long as it is related to biological sciences), if it is a short TED talk (some are 5 minutes long) you may need to supplement more of your summary with outside literature. But you should write a short summary, provide a link to the talk or podcast for your group, make sure you support your summary with references and I am looking for content rather than length but they should be around 1 page in length. Post your TED talk post by September 26th. Comment on 3 of your group member’s presentations by September 30. Respond to all comments on your TED talk by October 3rd.

Position Paper
For this assignment, you will write a position paper on one of the topics listed below. The goal of this paper is to present both sides of the argument but ultimately argue for one stance with supporting references. We will be grading you based on how well you present both sides of the argument and how well you support your stance over the counter-argument. The best way to way to support your stance is through primary peer-reviewed articles. In these position papers you need to leave emotion and personal experiences out of your argument. Post your primary post by October 24th and comment on a peer post by October 28th respond to all comments on your paper by October 31st. These should be approximately 1.5 pages single spaced. You should have at least 2 counter claims and 2 primary arguments for your position. You should have a minimum of 4 peer reviewed primary research articles for this assignment.

Presentation
Presentations are due by November 14th. We will discuss the first four presentations (Alphabetically by last name) beginning on November 16th. The first 4 people alphabetically in your group will go the first week. Comment on their presentations by November 18th. If you are
going the first week please respond to comments throughout the week and wrap up discussion by **November 21st.** The rest of the group members will go the second week. Comment on their presentations by **December 2nd.** If you are going the second week, wrap up discussion by **December 5th.** These should be 10 - 15 minutes long, over 15 minutes will be docked unless the presentation is over you 831 project. Students have the option to present on any topic within the biological sciences or if you have completed Biol. 831E you can present your research project. I highly encourage students to present their research findings when appropriate. For students presenting on a topic rather than their research, you must **critically evaluate a peer-reviewed primary research article from within the last 3 years.** Please provide background information relevant to your topic and explain the significance of the research in this area. Presentations should contain original figures from these studies with the proper citations. Students should compare and criticize different studies with special focus on methods. Please do not simply restate the findings the authors provide. These presentations must contain video of yourself and should be recorded using VidGrid.

In addition to the one peer-reviewed article you are presenting on or your own research, there must be a minimum of 5 supporting peer-reviewed articles. All references must be cited in a literature cited section. Figures must also be cited and must be from a peer-reviewed article to contribute to your 5 minimum references.

Presentations should include title page, introduction to the topic, relevant methods, results, conclusions, and citations. Additionally, students must have organized presentations that are easy to follow and should be under 15 minutes long. It is important that you are able to critically evaluate your peer-reviewed articles. Do not just summarize the research.

Students are required to present on a different topic each time they take this class and mention on the title slide what semester of 881 this is for you and your previous topics.

**Attendance Policy**

Your instructor may have indicated on their syllabus an attendance policy specific to their class. If so, that is the policy with which you must comply. If no other policy is stated, the University-wide attendance policy will apply. Undergraduate Student Attendance Policy Graduate Student Attendance Policy

**Academic Honesty Policy**

Academic honesty is essential to the existence and integrity of an institution of higher education. The responsibility for maintaining that integrity is shared by all members of the academic community. To further serve this end, the University of Nebraska at Kearney has a policy relating to academic integrity. Undergraduate Academic Integrity Policy Graduate Academic Integrity Policy

**Finals Week Policy**
Finals at UNK will be scheduled Monday through Thursday during the last week of the semester.

1. Final examinations for full semester classes are to be given at the regularly scheduled examination time only as published on the Office of the University Registrar website policy (Final Exam Schedule).

2. During the week prior to Finals Week, the only examinations that may be given are: laboratory practical examinations, make-up or repeat examinations, and self-paced examinations.

3. If a student is scheduled to take three or more final exams in one day during the finals week, the student may: take all final exams as scheduled; take the exam during the allotted day and time that is open for make-up examination or resolution of conflict, which is Thursday at 3:30 pm; or take the exam during Finals Week at an agreed upon time worked out between the student and the instructor. Students seeking accommodation are responsible for notifying their instructor at least one week before the final exam period and providing documentation proving eligibility for accommodation.

4. Projects, papers, performances, and speeches scheduled for completion during the last week of classes must have been assigned in writing by the end of the eighth week of the semester. This refers to the project and its scope, not the topic.

5. Complaints about failure to follow the above outlined procedures should be made immediately to the faculty member. If the faculty member is not responsive to the student’s concerns the appropriate department chair should be notified. If necessary, appeals can be filed with the dean of the college offering the course.

6. Any course not having an examination during Finals Week will meet under the direction of its instructor during the scheduled Finals Week time period for a continuation of regular class work.

7. The dean may grant exceptions to this policy on the basis of good and sufficient reasons submitted to the dean in writing.

8. All syllabuses should include a Finals Week Policy statement indicating that “The final exam will be administered in the time period scheduled during finals week in accordance with University policy (Final Exam Schedule).”

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

**Students with Disabilities**

It is the policy of the University of Nebraska at Kearney to provide flexible and individualized reasonable accommodation to students with documented disabilities. To receive accommodation services for a disability, students must be registered with the UNK Disabilities Services for Students (DSS) office, 175 Memorial Student Affairs Building, 308-865-8214 or by email unkdso@unk.edu

**Students Who are Pregnant**

It is the policy of the University of Nebraska at Kearney to provide flexible and individualized reasonable accommodation to students who are pregnant. To receive accommodation services due to pregnancy, students must contact the Student Health office at 308.865.8218. The following links provide information for students and faculty regarding pregnancy rights.

**UNK Statement of Diversity & Inclusion**

UNK stands in solidarity and unity with our students of color, our Latinx and international students, our LGBTQIA+ students and students from other marginalized groups in opposition to racism and prejudice in any form, wherever it may exist. It is the job of institutions of higher education, indeed their duty, to provide a haven for the safe and meaningful exchange of ideas and to support peaceful disagreement and discussion. In our classes, we strive to maintain a positive learning environment based upon open communication and mutual respect. UNK does not discriminate on the basis of race, color, national origin, age, religion, sex, gender, sexual orientation, disability or political affiliation. Respect for the diversity of our backgrounds and varied life experiences is essential to learning from our similarities as well as our differences. The following link provides resources and other information regarding D&I:
https://www.unk.edu/about/equity-access-diversity.php
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