Date Lecture Topic Reading Assignment

Jan. 14 – 16 Scientific Method, pp. 7-14
Chemical Evolution & Origin of Life

Jan. 18 – 25 Biological Evolution Chap. 3

Jan. 28 - 30 Variation, Selection & Speciation Chap. 3

Feb. 1 – 6 Biodiversity & Extinction Chap. 11 & Chap. 3

Feb. 8 (Fri.) FIRST HOUR EXAM

Feb. 11 – 15 Human Evolution

Feb. 18 – 22 Population Growth pp. 4-7, 60-67, Chap. 8

Feb. 25 - Mar. 1 Population Control Measures & Benefits Chap. 8

Mar. 4 & 6 Species Interactions & Chap. 4
Trophic Dynamics

Mar. 8 (Fri.) SECOND HOUR EXAM

Mar. 11 – 15 SPRING BREAK

Mar. 18 – 22 Abiotic Factors & Nutrient Cycling pp. 30-31, Chap. 5

Mar. 25 – 29 Terrestrial Biomes & Man’s Influence pp. 92-98
Soil Ecosystems & Agriculture – GMO’s Chap. 9, 249-263

Mar. 28 (Thur.) LAST DAY FOR W

Apr. 1 – 5 Pesticides (1st, 2nd & 3rd Generation) pp. 246-249, 366-374
(Misuse, Shortcomings & Alternatives)

Apr. 8-10 Aquatic Ecosystems (Use & Misuse) Chap. 15

Apr. 12 (Fri.) THIRD HOUR EXAM

Apr. 15 – 17 Industrial Revolution & the pp. 3-5, Chap. 19
Development of Energy Sources

Apr. 19 (Fri.) SPRING HOLIDAY

Apr. 22 – 26 Consequences (Air Pollution, etc.) Chap. 18

Apr. 29 - May 3 Alternative Energy Sources & Recycling Chap. 21

May 6 (Mon.): 8:00-10:00 FINAL EXAM

Laboratory: Blackboard Pre-Lab and/or Laboratory Supplemental Handouts.
You are required to take all exams. Do not anticipate "make-up" exams. Your individual grade for the course will be determined by the average of all of your exam grades (minus any points for excessive absenteeism). A low grade on an exam will not be dropped. Each hour exam will consist of multiple choice questions and cover the materials given since the prior exam. Approximately 15% of each exam will be taken from the textbook and supplementary reading assignments. The only acceptable excuse for missing lecture, an hour or final exam is that you were medically hospitalized and unable to attend class on the date of the assigned exam. A non-emergency appointment with your physician or dentist is not acceptable. You are required to provide a hand-written excuse from your physician. In the event of a school related conflict, you must obtain permission to do any make-up work in advance. In the event that you miss an exam due to an "excused" absence, a comprehensive exam covering material from the three one-hour exams will be given during dead week. Exams missed due to an "unexcused" absence will result in a grade of zero. Permission to take the comprehensive make-up exam must be obtained in writing from your instructor immediately upon your return to class following the missed exam. The final exam is comprehensive. Approximately 40% of the exam questions will be taken from subject material covered on the first three hour exams. Failure to take all lecture exams at the scheduled time period – or to advise your instructor in advance of the need for a schedule change - will result in a grade of zero.

It is your responsibility as a student in this course to bring a Scantron and a soft lead pencil with a suitable eraser to class on exam day. The marking of more than one answer is unacceptable. The failure on your part to completely erase an unintended response will not result in a regrading of your exam. If you have a pattern of changing your answer on a number of questions, it is suggested that you score a second answer sheet which is free of erasures and is therefore suitable for grading.

Attendance - you are allowed three absences from lecture during the course of this semester. These three absences are considered excused (no questions asked). Each additional absence in excess of these three will be considered unexcused and will result in the loss of one point each from your final numerical average at the end of the semester. Example - 13 absences will result in the loss of a letter grade from your final average.

Attendance is defined as being present when the roll is taken. Students who are continually tardy to class will be considered absent and will consequently receive a lowering of their final average. Leaving class without first obtaining the instructor's permission is unacceptable - according to the ASU Student Handbook, it is disruptive to the Academic Process. Your first violation of this rule will result in the lowering of your final average by a letter grade. Your second violation will result in a mandatory meeting with the Assistant Dean of Student Life. Cell phones, beepers, mobile headsets, MP3 players, etc. should be left outside the classroom - do not bring them to class. Students utilizing laptops for note taking will be subject to monitoring by a class proctor. Additionally, no food or drink is allowed to be consumed during the class period as this is against university rules.

Angelo State University expects its students to maintain complete honesty and integrity in their academic pursuits. Students are responsible for understanding the Academic Honor Code, which is contained in both print and web versions of the Student Handbook. Persons with disabilities which may warrant academic accommodations must contact the Student Life Office, Room 112 University Center, in order to request such accommodations prior to any accommodations being implemented. You are encouraged to make this request early in the semester so that appropriate arrangements can be made. Religious holidays will be observed in accordance with OP 10.19.

FINAL GRADE IN THE COURSE

Lecture exam average - 75%
(Each exam counts approximately 19%)
Laboratory average - 25%
Minus any points for excess absenteeism

Learning Outcomes – Students are expected to acquire both a knowledge and understanding of the fundamentals of mankind’s past, present, and future relationships with those naturally occurring biotic and abiotic resources found on this planet.
Assessment of Student Learning Outcomes – Critical Thinking (CT1), Empirical & Quantitative Skills 1 (EQS1 - data analysis) and Empirical & Quantitative Skills 2 (EQS2 - observable fact analysis) will be assessed by means of embedded test questions on the four major lecture exams. Communication Skills (CS1) and Teamwork (TW2) will be assessed by means of weekly laboratory exercises which include group activities involving collaboration, data collection & analysis, as well as communicating final results in a written format.

DR. STRENGTH
BIOLOGY – SPRING 2019
My office is Sci. 108B
If not in office, try:
Teaching Lab - Sci. 110 or Research Lab - Sci. 117
My office phone: 325.486.6647
When leaving a phone message, please give your full name and phone number both slowly and distinctly – give your phone number twice.

E-mail: ned.strength@angelo.edu

OFFICE HOURS
Monday - 9:00-11:00
Tuesday – 1:00- 3:00
Wednesday - 9:00-11:00
Friday - 11:00-12:00
Other hours by appointment.