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Office Hours Posted

Course Description

Animal Diversity is the study of animal characteristics and review of phylogeny of major animal groups with special attention to Vertebrates. Students learn the diversity of Kentucky fauna by participating in the "The Great Kentucky Critter Hunt." This course employs traditional lecture and laboratory formats and it requires active student participation in dissections and developing a field collection. It is recommended for science majors only. Prerequisite: BIOL1204 and BIOL1214.

Animal Diversity involves lecture and laboratory settings that last one semester or approximately 15 weeks. Many lectures and laboratories are integrated and seamless.

Required Texts and Materials

Campbell, Neil, A, et.al. 2011. Biology, 9th ed. Benjamin Cummings. 1263pp.

Note: the course directs students to numerous educational internet sites.

Assignments, Assessments, and Grading

There are four testing periods that involve both the typical criterion referenced test (written essay, multiple choice, short answer) and practical laboratory based tests requiring identification and brief demonstration. Additionally, all students are required to participate in the "Great Critter Hunt." It is an animal treasure hunt requiring collection, identification, and selected preservation of the animals of central Kentucky. Also required, is participation in either a reptile hunt or salamander hunt. Dates for these activities depend on the weather, so students must be flexible and work to make class field hunts.

Tests (Test 1 and practical one, 100 points and test 2,3,4, 100 points each -- total 400)

Practicals (300 points)

Critter List (100 points)

Grades are assigned by comparing the student's total score to the following chart.

800-720 A 719-640 B 639-560 C 559-480 D 479 or less F

(+ and - grades will be applied where and when appropriate and is at the professor's discretion)

Policies:

1. Practical Examinations will be set up once. Therefore, **a student must not miss a practical exam**. In extreme emergencies it may be possible to leave the exam set up for a couple of days until a student can take it. Otherwise, be there.
2. The "Critter Hunt" is a large part of your laboratory experience and in large part must be conducted on your time out of class. Think of it as doing laboratory homework.
3. The reptile and salamander hunts will occur when the weather conditions are good and animals moving and so cannot be scheduled. They will be announced in class and on blackboard or you will be notified by a posted sign outside my office. Best I can do. Herps wait for no man.

Academic Integrity

Academic integrity is essential to the existence of an academic community. Every student is responsible for fostering a culture of academic honesty, and for maintaining the integrity and academic reputation of Lindsey Wilson College. Maintaining a culture that supports learning and growth requires that each student make a commitment to the fundamental academic values: honesty, integrity, responsibility, trust, respect for self and others, fairness and justice.

To foster commitment to academic integrity, faculty are asked to require each student to place and sign the following Honor Code on tests, exams and other assignments as appropriate.: **On my honor as a student, I have neither given nor received any unauthorized aid on this assignment/exam.**

Violations of the academic integrity policy include cheating, plagiarism or lying about academic matters. Plagiarism is defined as any use of another writer's words, concepts, or sequence of ideas without acknowledging that writer by the use of proper documentation. Not only the direct quotation of another writer's words, but also any paraphrase or summary of another writer's concepts or ideas without documentation is plagiarizing that writer's materials. Academic dishonesty is a profoundly serious offense because it involved an act of fraud that jeopardizes genuine efforts by faculty and students to teach and learn together. It is not tolerated at Lindsey Wilson College.

Students who are determined to have plagiarized an assignment or otherwise cheated in their academic work or examinations may expect an "F" for the activity in question or an "F" for the course, at the discretion of the instructor. All incidents of cheating or plagiarism are reported by the instructor to the Academic Affairs Office along with copies of all relevant materials. Each instance of cheating or plagiarism is counted separately. A student who cheats or plagiarizes in two assignments or tests during the same semester will be deemed guilty of two offenses. If the evidence is unclear, or if a second offense occurs, the VP for Academic Affairs or Associate Dean will work in cooperation with the Dean of Students to move the student before the campus Judicial Board for review. Violations will ordinarily result in disciplinary suspension or expulsion from the College, depending on the severity of the violation involved. **Note:** The College has purchased Turnitin.com, a web product used to detect plagiarized documents.

Questioning a Grade: Student Academic Complaint

A student who wishes to question a grade assignment, or other academic issue, should follow the procedure below:

- a. Whenever possible, the student shall first go to the faculty member who has assigned the disputed grade. Complaints regarding grades must be made within fourteen (14) days of receipt of the disputed grade and will be decided by the faculty member within seven (7) days of receipt.
- b. The student may, within seven days, request in writing, and a review of such decision by the Chair of the division in which the grade was assigned. Upon receipt of such request, that Chair will direct the faculty member and the student to teach submit, within 10 days, a written account of the incident, providing specific information as to the nature of the dispute.
- c. Upon receipt of these written accounts, the Chair will meet, if possible, within fourteen (14) days, with the faculty member and the student in an effort to resolve the dispute and will render his or her decision in writing.
- d. If either the student or the faculty member desires to appeal the decision of the Chair of the division, the student or faculty member may, within seven (7) days by written request to the Chair, request that the matter be reviewed by a the Academic Affairs Council, the Academic Affairs Office will render a decision within 21 days of receipt of the referral from the Chair.

If the disputed grade is assigned at the end of a fall or spring semester and the student and faculty member cannot meet to resolve the issue, the student should contact the faculty member by email within fourteen (14) days of receipt of the disputed grade. If the issue cannot be resolved by email within the time limit, steps b, c, and d of the appeal may extend into the beginning of the semester immediately following receipt of the disputed grade by following the timeline above.

Statement on Learning/Physical Disabilities

Lindsey Wilson College accepts students with learning disabilities and provides reasonable accommodation to help them be successful. Depending on the nature of the disability, some students may need to take a lighter course load and may need more than four years to graduate. Students needing accommodation should apply as early as possible, usually before May 15. Immediately after acceptance, students need to identify and document the nature of their disabilities. It is the responsibility of the student to provide to the College appropriate materials documenting the learning disability, usually a recent high school Individualized Education Program (IEP) and results from testing done by a psychologist, psychiatrist, or qualified, licensed person. The College does not provide assessment services for students who may be learning disabled. Although LWC provides limited personal counseling for all students, the College does not have structured programs available for students with emotional or behavioral disabilities. For more information, call Ben Martin at 270-384-7479.

Academic Success Center

The Academic Success Center, located in the Everett Building, offers peer tutoring to aid students in completing class assignments, preparing for exams and improving their understanding of content covered in a particular course. In addition, computers are available for student use.

Students are encouraged to utilize this Center as a resource for improving study strategies and reading techniques. The Center also offers assistance with other academic problems resulting from documented learning disabilities. All services are free of charge to all Lindsey Wilson College students (students with learning disabilities are responsible for providing documentation from an appropriate outside professional source such as a professional evaluation or school IEP). Please contact Maretta Garner, Tutor Coordinator at 384-8037 for further information and assistance.

Writing Center and Mathematics Center

The Writing Center (located in the Slider Humanities & Fine Arts Building), and the Mathematics Center (located in the Fugitte Science Building) are available for specialized tutoring at no charge to students. Please contact Jerrod Odd, Writing Center Coordinator, at 384-8209 or Linda Kessler, Math Tutor Coordinator, at 384-8115 for further information and assistance.

Final Exams

Final Exams for day classes are scheduled for the Fall 2010 semester on **December 6-10 and May 9-13** for the Spring 2011 semester. The academic calendar, which contains the schedule for finals, is in the College Catalog and course schedule listing. Please make any necessary flight arrangements **after** the final exam week. **Students will not be permitted to take early finals unless extenuating circumstances exist.** "Extenuating circumstance" means illness, a verified family emergency or participation in officially sponsored travel in support of an event arranged by the College. **Travel arrangements must be made in sufficient time that tickets may be obtained after final exams and the semester is officially over.** All requests for early finals must be made in person to the Academic Affairs Office.

Cell Phone Policy

Student cell phones will be off during class time unless prior arrangement is made with the instructor.

Dropping a Course

BIOL 2204 Schedule Animal Diversity LWC Stewart

This schedule is provided to help the preparation of student and professor. Please know that it is likely that the dates for some topics may be moved. **However, examination dates are firm and non-negotiable.**

J15: Course introduction, preservation methods, animals are....., the Critter List.

20 Classification (537), Rules of Nomenclature, Birth of animal diversity: Cambrian Explosion (515)
Lab: Dichotomous keys

22 Porifera, Radiata (670), Platyhelminthes, Parasitic life cycle, Common Parasites,
Lab: specimen review

27 Nematoda, Biology review; video (683), Horsehair Worms, Nematode parasites
Dissection: giant intestinal round worm.

29 Rotifera, Gastrotricha, and Tardigrada
Live specimens, Work sheet hand out. Videos

F3 Practical 1 (no lab) 100 points

5 Test 1 (no lab) 100 points

10 Video: Arthropod diversity
Lab: Crayfish external anatomy

12 Annelid Diversity Lab: specimen review, dissection

17 Molluscan Diversity Lab: specimen review

9: General Review

24 Practical 2 (no lab) 100 points

27 Test 2 (no lab) 100 points

M3: Echinoderms and Starfish dissection

M5: Chordate characteristics and Chordate Diversity

March 10-14 Spring Break

(Be Alert: Salamanders)

17: Early Vertebrates (704) and first Vertebrates, Agnatha (686), Evolution of the jaw and teeth (705), first Gnathostomes (706)

19: Gnathostome diversity (Chondrichthyes, Ray and lobe-finned fishes) (706), Early Fishes (709), Sarcopterygians, early amphibians, first amniotes.

24 Lab: "The missing link," specimen review

26: Modern Amphibians (712), Evolution of amniotes (715), Dinosaurs, and Saurischians vs. Ornithischians assignment (part of exam 3.) "Sue."

31 Exam 3

Apr 2 Practical 3

9: Modern reptiles (716), Lab: Specimen review

9: Early Mammals (720) Modern Mammals, (722) Mammal diversity (725) Primate diversity (727))

14: Ancient and Modern Birds (718)

16 Osteology: Museum of Natural History, Human history (731)

21: "Becoming Human")

23 Lab: specimen review, the freezer

28 Practical 4

30 T4

May 5-8- Finals – Critter List due, and assessment, retake an exam of your choice.