

Biology 122
Principles of Biology Lecture
Fall, 2003

An introduction to systematic ways in which the human mind comprehends the natural world; emphasis on studies of living systems, natural processes, and related phenomena including modern evolutionary theory, photosynthesis, cellular respiration, the survey of kingdoms, ecology, and nervous and hormone control on effectors.

Text: Solomon, Berg, Martin and Villee, Biology, Sixth Edition

7	Energy-Releasing Pathways
8	Photosynthesis
17	Evolution
18	Population Genetics
19	Speciation and Macroevolution
20	The Origin and Evolutionary History of Life
22	The Classification of Organisms
23	Viruses and Bacteria
24	The Protist Kingdom
25	Kingdom Fungi
26	The Plant Kingdom: Seedless Plants
27	The Plant Kingdom: Seed Plants
35	Reproduction in Flowering Plants
31	Plant Structure, Growth, and Differentiation
32	Leaf Structure and Function
33	Stems and Plant Transport
34	Roots and Mineral Nutrition
36	Growth Responses and Regulation of Growth
28	The Animal Kingdom: Animals without a Coelom
29	The Animal Kingdom: The Coelomate Protostomes
30	The Animal Kingdom: The Deuterostome
21	The Evolution of Primates
51	Ecology and the Geography of Life
52	Population Ecology
53	Community Ecology
54	Ecosystems
55	Humans in the Environment

There will be four announced hour examinations of 40 points each and a final comprehensive examination of 80 points. There will be no make-ups for missed exams. If you miss an hour examination and provide an excuse that is acceptable to me within 24 hours of the exam, the final examination grade will be substituted for that hour exam grade. Tentative hour exam dates are September 12, October 6, November 3 and December 1. The final exam will be given on Friday December 5 at 8:00 am. The final exam must be taken.

The four hour exams and final exam will use Scantron forms. Purchase 5 Scantron forms (Form 882-E) from the UTC bookstore. You will not be able to take the exams without the forms.

Turn off the ringer on your cell phone before you come to class. If your cell phone rings during class, you will be dismissed from the room for the remainder of the class that day.

If you have already taken Biology 122 in the last two years and do not want to repeat the laboratory, you must follow these guidelines: (1) Enroll in both lecture and laboratory; (2) Notify me and your current laboratory instructor during the first week of class that you will use your previous laboratory grade; (3) Contact your previous lecture instructor and request that your old lab grade be sent to me in writing; (4) If the grade cannot be found, you must repeat the laboratory. If you do not want to repeat the lecture, follow the same procedure with your previous lecture grade.

If you have a disability that may require assistance or accommodation or you have questions related to any accommodations for testing, note takers, readers, please speak with me. You may also contact the College Access Program in Frist 110 (425-4006).

The lecture grade is 75% of the final course grade. At least 20% of the lecture grade will have a writing component that may include formulas, equations and answers in full sentence form.

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Grading Scale: 90 - 100 = A
80 - 89 = B
70 - 79 = C
60 - 69 = D
Below 60 = F