

FROM THE DESK OF DAVID L. SCHUTZER

Course Objectives for **ANTHROPOLOGY 101** are as follows.

Upon completion of this course, students will be able to:

1. Apply the process of science to problem solving situations and formulate procedural steps necessary for a scientific investigation.
2. Analyze and evaluate the arguments of creationism and intelligence design and demonstrate the fallacies of these points of view.
3. Describe, apply, and distinguish the basic concepts of Mendelian genetics, cytogenetics, molecular genetics, and population genetics.
4. Criticize and debate contemporary issues that have developed out of the modern applications of genetics to humans such as genetic counseling, cloning, and gene therapy.
5. Describe the process of evolution and speciation by employing the concepts upon which modern evolutionary theory is based and recognize examples of each.
6. Diagram the place of *Homo sapiens* within the animal kingdom as expressed in the classification of humans and demonstrate what evidence is used to determine evolutionary relationships among animals.
7. Differentiate between monkeys, apes and humans by identifying both similarities and differences.
8. Compare and contrast the anatomy of humans and the great apes, and be able to identify those anatomical features that provide evidence for human evolution. Explain and evaluate this evidence.
9. Compare the social behavior of human and nonhuman primates and demonstrate how studies of primate behavior shed light on contemporary human behavior.
10. Construct a probable scenario of early hominin behavior.
11. Categorize the important hominin fossils and construct a diagram illustrating the evolutionary history of the hominins.
12. Describe the physical differences observed among all human populations and determine the ecological significance and distribution of these differences.
13. Compare cultural classifications of human variation with biological observations and hypotheses. Assess the validity of these cultural classifications.