

Study guide for A105 Exam 1, scheduled for October 4, 2004

Your first exam will include a mix of 30 multiple choice questions (1 point each) , and several short-answer questions (10 points each) for a total of 50 points, which will equal 15% of your course grade.

The exam will cover lectures 1-10, and the following readings:

- Haviland text chapter 1-3 (treat chapter 1 p 6-18 largely as background information – no test questions will be based specifically on these discussions of the 4 fields of anthropology)
- PDF article by Jane Goodall
- topics discussed in sections during weeks 1 -5.

Study Hints:

Reminder: we have posted lecture outlines and additional notes on the class web page. Take advantage of these resources to help you study!

Also, we have posted examples of multiple choice questions in a **Practice Test** available in **Oncourse**. You can take this test as many times as you want – use it as a study aid. Some of the questions are based on lectures and some specifically from textbook materials.

Review **highlighted terms and concepts** from lectures, discussion sections and the readings. (Terms are defined throughout your textbook in green boxes.) You will be expected to understand these terms when used in the context of a question, and to use them appropriately in short answer questions. Also, study the **pictures and diagrams** in the book – they illustrate important concepts.

Chapters 1-3

Review the contributions of the following **scientists**

Charles Darwin	Alfred Russel Wallace
Carolus Linnaeus	Jonathan Marks
Jean-Baptiste Lamarck	Jane Goodall
Gregor Mendel	

As you work through your lecture notes, compare them to the materials in the readings. The lectures expanded on some concepts in the readings with new or different examples. As you study, try to integrate them together.

For example:

- Compare the Anthropology and Science section in chapter 1 we talked about in relation to the Piltdown discovery in lecture.
- Use the examples of natural selection discussed in lecture to supplement and expand the coverage of this topic in the readings and discussion section
- Integrate the lecture material on specific primate species with the general overview of primates included in chapter 3

Here are some examples of the types of topics you will be asked about.

- What were Charles Darwin's main contributions to evolutionary theory? How did his ideas differ from those of his contemporary scientists?
- How can natural selection be influenced by humans?
- How can mutations contribute to evolutionary change?
- How can understanding the basic principles of natural selection help you predict what will happen in new epidemiological cases, such as the introduction of a new, deadly virus into the US?
- Why is sickle cell anemia a good example of how micro-evolution works in our own species?
- We now know that humans are not the only technological primate. Describe some primate examples of the manufacture and use of tools.
- How do patterns of sexual dimorphism relate to social organization in primates?
- What traits do all primates share? What distinguishes Prosimians from other primates? How can you differentiate an ape from a monkey?
- How do the adaptive challenges and behavior patterns of males and females differ in primate societies?

An example of a possible short-answer question:

One of the following statements describes why Charles Darwin rejected creationist explanations for the origin of species. Classify each statement as TRUE or FALSE, and write a brief justification for your choice of the FALSE statement.

T or F ? Charles Darwin rejected creationist explanations for the origin of species because he used the genus and species classification system of Linnaeus, which was incompatible with creationist views of the fixity of species.
Why?

T or F ? Charles Darwin rejected creationist explanations for the origin of species because Darwin thought that the number and variety of living species could be explained through the observation and interpretation of natural phenomena, not the supernatural.
Why?