

BIOS 1030—Human Biology I: Basic Principles
Three Semester Hours

DM
06/13

PREREQUISITES:

None

COURSE OVERVIEW:

For non-majors. Humans as biological organisms: our origins, ecology, inheritance, and functioning of our body systems.

METHODS OF COURSE INSTRUCTION:

All material for this course is print-based. Instructor and students communicate and exchange materials through postal mail.

E-PRINT OPTION:

In this course, an option exists to use e-mail to submit your lesson assignments. Your assignment will be returned to you either as an e-mail attachment or as a hard copy sent through the postal mail, depending on the preferences of the instructor and/or program.

TEXTBOOKS AND SUPPLIES:

Belk, Colleen M., and Virginia Borden. *Human Biology*. San Francisco: Pearson, 2009. [ISBN: 9780131481244]

NUMBER OF LESSONS:

The course has 12 lessons, including one midcourse examination and one final examination. These lessons include:

- Lesson 1: Science and Society; The Chemistry of Life
- Lesson 2: The Cell; Body Organization and Homeostasis
- Lesson 3: Skeletal and Muscular Systems
- Lesson 4: The Blood, Cardiovascular and Respiratory System
- Lesson 5: Midcourse Examination Preparation
- Lesson 6: Renal, Immunities, and STDs
- Lesson 7: Behavior—Long Term and Short Term
- Lesson 8: Cancer, Meiosis, Mitosis, and Reproduction
- Lesson 9: Genetics
- Lesson 10: Aging and Evolution
- Lesson 11: Ecology, Biomes
- Lesson 12: Final Examination Preparation

TYPES OF WRITING ASSIGNMENTS:

For each lesson, you will be asked to answer four short-essay questions with a possible 25 points for each correct and adequate essay. If you cover the essential questions asked, you will be all right. Your answers should be clear, concise, and to the point. A lot of unnecessary and extraneous material (fluff) in your answer not only slows the scoring function, but detracts from your answer and may result in a lowering of your score. Pay particular attention to the questions assigned and be sure that you answer what is asked in the question. No credit is allowed for answers to questions not asked. Feel free to earn any grade you want.

GRADING CRITERIA:

The midcourse will cover your lessons and material up to and including Chapters 1–10. The final will cover Chapters 11–24. The scores on your exams are weighted slightly more than your lessons, with each exam making up 40% of your final grade and the average score on your lessons worth 20%. For example, let us say that you earned a score of 80% on your midcourse, a score of 70% on the final, and an average of 90% on your individual lessons. Your score would be calculated as follows: $80\% \times .40 = 32$; $70\% \times .40 = 28$; and $90\% \times .20 = 18$. Your score would be $32 + 28 + 18 = 78\%$, and your grade would be a B for the class.

Grading Scale

The grading scale for this class is:

100–85 = A

84–75 = B

74–65 = C

64–50 = D

Below 50 = F

This curve is somewhat more liberal than in the classroom. This allows for the lack of face-to-face interaction. In a few cases, I have used the + and – and reserve the right to do so if warranted.