

BIOLOGY 104

PREFACE

This course is formulated to introduce the student to the field of Zoology (Animal Biology) and to impart a knowledge and understanding of the animal kingdom. Assignments are patterned after the textbook and begin with Chapters 1 and 2 – The Conceptual Basis of Zoology, which concerns the nature of the scientific inquiry and a discussion of the theory that underlies all biological studies today – evolution. After this introduction the assignments, like the text, follow the levels-of-organization approach: basic cellular chemistry and structure, animal form and function, animal diversity, and finally, populations and ecosystems.

There are 20 points possible on each assignment, involving varying numbers of multiple choice, matching and discussion questions. The discussion questions are graded on spelling, content and grammar since one of the goals at the university is to improve student communication skills in all courses, not just English. In addition, an instructor can often tell more easily from an essay whether a student really grasps the concept being discussed.

The required text is *Zoology*, Robert Dorit, Warren Walker, Jr. and Robert Bames; Saunders Publishing, 1991. It is available from the University Bookstore, Kennedy's Bookstore, or from any reputable bookstore dealing in college textbooks.

ABOUT THE FINAL GRADE

The final grade is based on 1000 possible points: 600 points possible on the 30 assignments and 400 points possible on the final exam. The final exam is constructed of fifty (50) multiple choice questions chosen from the 30 assignments (including the essays). Each correct answer counts 8 points. The final grade will be based on the following grading scale: A = 900 points or more; B = 800 or more; C = 700 or more; D = 600 or more. A grade below 600 is considered an E. No grade will be assigned without successful completion of the final examination.

SUGGESTIONS FOR STUDY

This course in Zoology will yield to the student a much more enjoyable and useful educational experience if the required text is used properly and conscientiously.

The text readings are designed to relate to the purposes and objectives of the course, and it is on this basis that the text chapters are correlated with course assignments. The course work is "open book", but students will find it difficult to complete assignments properly without a thorough study of the chapter(s) assigned. Merely picking out the relevant words, without reading, and understanding, the accompanying material, will result in incomplete essay work and problems further down the road. In many cases, questions build on and may refer directly back to material covered in previous chapters, as well as on the current reading.

Assignments should be completed and returned as soon as possible after reading the assignment. Usually, assignments will be graded and returned to the Independent Study Office within ten days.

BIOGRAPHICAL SKETCH

Jane Hay has a B.S. with honors in Zoology and an M.S. in Zoology from the University of Kentucky. She has taught at the secondary and college levels, and was instructor/lab coordinator for BIO 105, the lab accompanying BIO 104, at the University from 1971 to 1991. She is also the author of the lab manual currently used in BIO 105. Ms. Hay is a member of the American Association for the Advancement of Science (AAAS), and an enthusiastic amateur herpetologist and naturalist

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