Hallmarks: Biological Science (DB). Explain in detail how this course meets each of the appropriate hallmarks.

To satisfy the Biological Science (DB) requirement, at least two thirds of a course
1. uses the terminology of the biological sciences;

    Students will be introduced to the concepts and theories common to biological sciences as exemplified in animals. Students will study the evolution, physiology, and ecology of animals. Students will use the terminology of the biological sciences daily and repeatedly as they study zoology. More than two thirds of Zoology 101 will be biological in emphasis.

2. involves knowledge and theories relating to processes in the biological sciences;

    Course content will include knowledge about basic biological sciences theories and processes, including principles of cell and molecular biology, biodiversity, biological evolution, physiology, and ecology, as they apply to animals.

3. demonstrates inquiry that is guided by observation/experiment and reasoning/mathematics.

    Inquiry-based instruction will be applied in the lecture, to encourage understanding of how science works, and to encourage student curiosity about animals. Concepts will be explained in terms of the scientific processes that lead to their discovery; for example, the theory genetics as first proposed by Gregor Mendel.