



11/FAL Selected Topics and Learning Community courses

BIO-371-1 **Comparative Anatomy (4)** **York**
M/W/F 8-9:45am cap 16

This course uses an evolutionary perspective to provide an overview of characteristics shared by all chordates and to examine modifications particular to individual classes and orders. Topics such as homology and analogy, adaptation, and the interplay between form and function are emphasized, supplemented by laboratory observations of representative organisms. Students successfully completing the course will understand how studies of chordate evolution may be addressed from an anatomical perspective and, in turn, how the anatomy of various chordate groups has been shaped by evolutionary processes. Students are expected to develop skills in identifying major anatomical structures and their functions, conducting dissections and other laboratory techniques, and applying appropriate terminology to structures, functions, organisms, and evolutionary processes.

BIO-471-1 **Mammology (4)** **York**
T/TH 8-10:45am cap 12

This course introduces students to basic mammal biology, the major groups of mammals worldwide, and the families and species of mammals of Nebraska. Live-trapping mammals for observation, other field work, and laboratory study of preserved specimens are significant components of the course. Upon completing the course successfully, students will be able to identify local mammals in the field and in the laboratory, recognize major anatomical structures, and discuss the ecology and evolution of major groups of mammals.

EVS/IST-371-1 **Introduction to Geographic Information Systems (3)** **Soucek**
T/TH 9:30-10:45am cap 15

An introductory course in computer-based geographic information systems (GIS). Emphasis will be on GIS mapping, spatial analysis, and database development. Students will receive hands-on training with the ESRI suite of GIS software. Participants will develop skills and a knowledge base from which to use spatial information effectively as a professional. Upon completion, students will be able to create and edit spatial data, produce maps and conduct spatial analysis. Persons with GIS skills are highly sought-after in fields such as environmental science and natural resources, computer technology, business, and social science. Prereq: Basic computer skills (Windows operating system, spreadsheets, word processors), junior or senior standing or permission.

JOU-271-1 **Introduction to Magazine Publishing (3)** **Swartzlander**
T/TH 2:30-3:45pm cap 12

This class will explore how a magazine is created. Students will learn how to start a magazine by studying such elements as the intended audience, the editorial product, contemporary magazine publishing trends, publication design, production methods, photography and artwork, and content creation, specifically feature writing and editing. By the end of this class, students will be able to articulate a working knowledge of magazine staffing, structure and duties and be able to originate a student-produced magazine.

THE-271-1 **Costume Design (3)** **Himmelberger**
MWF 10-10:50am cap 15

This is a design course in costuming, starting with the basic elements and working into more complex ideas. There will be several projects to design, draw, and paint finished renderings. Part of the course will be devoted to costume history.

