

Northwest Arkansas Community College
Standard Course Outline
Science Department

BOTY 2404 SURVEY OF THE PLANT KINGDOM

Catalog Description: Reproduction, structure and evolution of plant groups. Topics in plant ecology. Three hours lecture and 3 hours laboratory weekly.

Prerequisite: BIOL 1544 or BOTY 1614 with a grade of “C” or better, or equivalent.

Credit / Contact / Load hours: 4/6/5

Target Audience & Transfer: This class transfers to the University of Arkansas as Botany 2404 and 2400 as lab.

General Course Objectives: Students completing this course will be able to:

- Recognize about 35 families (represented in AR) and their characteristics.
- Identify flowering plants of the NW AR region.
- Use binomial nomenclature and classification, both the current status and some historical knowledge.
- Apply their understanding of the principles of scientific investigation to comprehend, evaluate and solve problems of identification of plants.
- Identify and use information to further knowledge of identification of flora of AR.

Topics:

- Binomial nomenclature and classification of the Plant Kingdom
- Structure of flowering plants.
- Characteristics of Families.
- How to use the textbooks in identifications
- Field identification and taking of photographs
- Compilation of collections

Required Forms of Assessment: none