

Northwest Arkansas Community College
(Science and Mathematics Division)

Discipline Code

BOTY

Course Number

2404

Course Title

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.

Prerequisites

BIOL 1544 or BOTY 1614 with a grade of "C" or better, or equivalent.

Credit Hours

4 credit hours

Contact hours

45 lecture contact hours; 45 lab contact hours

Load hours

5 load hours

Semesters Offered

On Demand

ACTS Equivalent

None

Grade Mode

A-F

Learning Outcomes

Students completing this course will:

- 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.

General Education Outcomes Supported

None

Standard Practices

Topics list

- 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

Learning activities

- Courses must, at a minimum, cover the core learning outcomes for each topic.

Grading guidelines

- A minimum of 70% of the grade must be proctored, supervise, or otherwise verified.
- Approximately 25% of the grade must come from lab work since the lab and lecture credits for this course are combined.

Revision Date

April 8, 2021

BOTY 2404 Survey of the Plant Kingdom

Degrees affected:

- AA
- AA – CAST
- AA – Global Studies
- AA – Secondary Education; History
- AA – Special Education

- AF – Fine Arts

- AS – Business, General Transfer
- AS – Business, General Transfer Business Management (ATU)
- AS – Business, General Transfer Business Data Analytics (ATU)
- AS – Business Administration
- AS – Business Administration WCOB-Information Studies
- AS – Business Administration UA Walton College of Business Transfer
- AS – Business, General Transfer Business Digital Marketing (ATU)

- AS – AFLS Agriculture, Food, and Life Sciences

- AS – LAS Liberal Arts and Sciences
- AS – LAS Art History
- AS – LAS Business Education (UA, Fayetteville)
- AS – LAS Child Advocacy Studies
- AS – LAS Family & Consumer Science Education
- AS – LAS Global Studies
- AS – LAS Secondary Education Social Sciences (UA, Fayetteville)
- AS – LAS Visual Art

- AAS – Environmental Regulatory Science; Safety, Health & Hazardous Materials Management

- CP – General Studies