

COCONINO COMMUNITY COLLEGE

COURSE OUTLINE

Prepared by: Ana M. Novak
Status: Permanent

Date: 22 Nov 2003
Spring 2007

A. Identification:

1. Subject Area: Biology
2. Course Number: BIO 112
3. Course Title: Wild Flowers of Northern Arizona
4. Credit Hrs: 2
5. Catalog Description:

An exploration of common wildflower species native to Northern Arizona with special emphasis on identification, collection, and distribution. Field Trips. One lecture. Three lab.

B. Course Goals:

To provide students with a greater understanding and appreciation of the native flora of Northern Arizona, its identification, classification and distribution; including but not limited to those found in riparian areas, deserts, and mountains of the region.

C. Course Outcomes:

Students will:

1. Identify common wildflowers native to our region
2. Classify wildflowers based on morphological characteristics
3. Distinguish various taxonomic orders of plants
4. Create plant lists for the different areas visited
5. Develop and maintain a field notebook
6. Relate field observations to ecological concepts

D. Course Content:

Will include:

1. Basic plant morphology
2. Basic plant taxonomy
3. Basic plant ecology
4. Identification of plants by use of field guides and dichotomous keys
5. Impact of introduced species on populations of native plants
6. Impact of management strategies on various habitats
7. Ethno botanical information