

## BZ223 PLANT IDENTIFICATION SYLLABUS FALL 2014

**Instructor:** Jennifer Ackerfield

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**Class schedule:** 1:00-1:50 T, Th Room A103 Chemistry

**Lab schedule:** W (time varies), Room 301 Yates

**Text:** *Plant Identification Terminology: An Illustrated Glossary*. Spring Lake Publishing.  
Ackerfield, J. 2013. *Flora of Colorado*. Handout at CSU bookstore.

**Additional supplies:** 15 sheets of herbarium paper (available at the CSU bookstore).

### Grading:

5 Plant diagnostics (25 points each) = 100 points (drop lowest one)

5 Plant identifications (30 points each) = 120 points (drop lowest one)

Lab participation = 11 labs x 5 pts each = 55 points

Scavenger hunt = 10 points

Terminology test = 50 points

Lecture test I = 100 points

Lecture test II = 100 points

Final = 200 points

Lab final = 100 points

Plant collection = 210 points

*Total points possible = 1045*

**Lecture Schedule:** (Lab for Wednesday is under the Tuesday lecture)

Date	Lecture and Lab Topic
August 26 <sup>th</sup> (Tues.)	Introduction, Vegetative Terminology <i>Lab:</i> Vegetative terminology, herbarium tour, scavenger hunt
August 28 <sup>th</sup> (Thurs.)	Vegetative Terminology, begin Floral Terminology
Sept. 2 <sup>nd</sup> (Tues.)	Floral Terminology <i>Lab:</i> Floral terminology, practice plant diagnostics
Sept. 4 <sup>th</sup> (Thurs.)	Floral Terminology, Fruit Terminology, making your collection
Sept. 9 <sup>th</sup> (Tues.)	Colorado botanists, Colorado geography <i>Lab:</i> Fruit and floral terminology, practice more diagnostics and key
Sept. 11 <sup>th</sup> (Thurs.)	How plants are named/systematics

- Sept. 16<sup>th</sup> (Tues.) Subclass Magnoliidae (Ranunculaceae, Papaveraceae)  
Subclass Dilleniidae (Cucurbitaceae)  
*Lab: Terminology Test*
- Sept. 18<sup>th</sup> (Thurs.) Subclass Dilleniidae (Brassicaceae, Ericaceae, Malvaceae)
- Sept. 23<sup>rd</sup> (Tues.) Subclass Dilleniidae (Primulaceae, Salicaceae, Loasaceae)  
*Lab: Plant Diagnostic 1*
- Sept. 25<sup>th</sup> (Thurs.) **Lecture Test I**
- Sept. 30<sup>th</sup> (Tues.) Subclass Dilleniidae (Violaceae)  
Subclass Rosidae (Apiaceae)  
*Lab: Plant Identification 1*
- Oct. 2<sup>nd</sup> (Thurs.) Subclass Rosidae (Crassulaceae, Geraniaceae, Grossulariaceae)
- Oct. 7<sup>th</sup> (Tues.) Subclass Rosidae (Euphorbiaceae, Onagraceae)  
*Lab: Plant Diagnostic 2*
- Oct. 9<sup>th</sup> (Thurs.) Subclass Rosidae (Fabaceae, Saxifragaceae)
- Oct. 14<sup>th</sup> (Tues.) Subclass Rosidae (Rosaceae)  
Subclass Asteridae (Polemoniaceae)  
*Lab: Plant Identification 2*
- Oct. 16<sup>th</sup> (Thurs.) Subclass Asteridae (Asteraceae)
- Oct. 21<sup>st</sup> (Tues.) Subclass Asteridae (Boraginaceae, Apocynaceae, Gentianaceae)  
*Lab: Plant Diagnostic 3*
- Oct. 23<sup>rd</sup> (Thurs.) Subclass Asteridae (Campanulaceae, Convolvulaceae, Solanaceae)
- Oct. 28<sup>th</sup> (Tues.) Subclass Asteridae (Lamiaceae, Verbenaceae, Plantaginaceae)  
*Lab: Plant Identification 3*
- Oct. 30<sup>th</sup> (Thurs.) **Lecture Test II**
- Nov. 4<sup>th</sup> (Tues.) Subclass Commelinidae (Poaceae)  
*Lab: Plant Diagnostic 4*
- Nov. 6<sup>th</sup> (Thurs.) Subclass Caryophyllidae (Caryophyllaceae, Cactaceae, Nyctaginaceae)
- Nov. 11<sup>th</sup> (Tues.) Subclass Caryophyllidae (Chenopodiaceae, Polygonaceae,

Portulacaceae)

*Lab:* **Plant Identification 4**

- Nov. 13<sup>th</sup> (Thurs.) Subclass Commelinidae (Cyperaceae, Juncaceae)
- Nov. 18<sup>th</sup> (Tues.) Subclass Liliidae (Liliaceae, Alliaceae, Agavaceae)  
*Lab:* **Plant Diagnostic 5**  
**Plant collections due!**
- Nov. 20<sup>th</sup> (Thurs.) Subclass Liliidae (Orchidaceae)
- Dec. 2<sup>nd</sup> (Tues.) Gymnosperms of Colorado  
*Lab:* **Plant Identification 5**
- Dec. 4<sup>th</sup> (Thurs.) Ferns and fern allies of Colorado
- Dec. 9<sup>th</sup> (Tues.) Rare Plants of Colorado  
*Lab:* **Lab Final**
- Dec. 11<sup>th</sup> (Thurs.) Review
- Dec. 16<sup>th</sup> (Tues.) **Final, 4:10-6:10 PM**
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