

## Assessment Schedule

### AGRI B1 Agriculture Environment and Society

32 students being assessed for Spring, 2016

#### **Student Learning Outcomes Pre-test: 1, 2, 3, 4**

A pre-test was given to students covering questions from the SLO's 1 - 4. A final test examination will determine the final outcome percentages about the SLO's for the course.

#### **Student Learning Outcomes**

- 1. Describe the historical and geographical relationship between agriculture, the environment and a given society.** 40% have an understanding of this topic on the pre-test.
- 2. Discuss the development of production, processing, and distribution methods of the various agricultural products.** 45% have an understanding of this topic on the pre-test.
- 3. List and describe the major types, operational and functional aspects of producing food.** 85% have a general understanding of this topic on the pre-test.
- 4. Identify the historical relationship between immigration, labor, agriculture, and politics in the United States with special emphasis in California.** 18% have an understanding of this topic on the pre-test.
5. Outline the development of agriculture and its effect on the environment.
6. Describe the changing nature of rural society.
7. Discuss the roles and contributions that California's ethnic and cultural populations have made to agriculture.
8. Identify the nature of current ethical issues in agriculture.
9. Interpret future trends in agriculture.
10. Define, collect, analyze, and evaluate data pertaining to a current agricultural-environmental-social issues.

### AGRI B49 Agriculture Leadership Training

42 students being assessed for Spring, 2016

An assessment will be completed for these classes at the completion of the course.

#### **Student Learning Outcomes**

1. Demonstrate effective communication skills in an individual or group recruitment presentation.
2. Plan, organize and conduct a professional guided tour of the Agriculture programs at Bakersfield College including an oral description of the primary uses of each facility.
3. Describe the major components of each major in the Agriculture programs at Bakersfield College to a perspective student group.
4. Perform specific roles within a group to achieve agreed-upon goals.
5. Describe the role of agriculture in California with an emphasis in the San Joaquin Valley.

## ORNH B3 Landscape Installation and Maintenance

14 students being assessed for Spring, 2016

### STUDENT LEARNING OUTCOMES

Some SLO's have been reviewed in labs, exercises and testing. The final assessment will be completed with the final labs and exams.

1. Describe landscape maintenance careers and employment opportunities.
2. Demonstrate safety-consciousness in dress/apparel, tool use, job site demeanor, and personal safety equipment
3. Identify, maintain, and describe the use of various hand tools
4. Select and safely use appropriate hand tools for a variety of landscape operations
5. Identify, select and safely operate various types of landscape power equipment
6. Describe basic pruning systems applied to shade trees, shrubs, vines, perennials, roses and fruit trees
7. Demonstrate pruning techniques on a variety of landscape plants
8. Identify the parts of an irrigation system and make basic repairs and adjustments
9. Describe sustainable landscape practices
10. Identify common turf grasses for the region and recommend proper care
11. Plant container, balled and bur-lapped, and bare root plants; ground covers and bedding plants
12. Recognize symptoms of plant damage by common pests and diseases
13. Describe integrated pest management methods for controlling selected pests and diseases
14. Create an annual maintenance calendar for a selected landscape

## ORNH B7 Plant Identification

16 students being assessed for Spring, 2016

### STUDENT LEARNING OUTCOMES

Some SLO's have been reviewed in labs, exercises and testing. The final assessment will be completed with the final labs and exams.

### STUDENT LEARNING OUTCOMES

1. **Explain the binomial method of plant nomenclature.** 87.5% can properly explain the binomial method of nomenclature.
2. **Identify botanical terms (plant identification terminology) as related to various plant parts and structures.** 87.5% can properly identify plant parts.
3. Identify and classify landscape plants using physical features of leaf, bark, flower, fruit, and growth habit
4. Describe the importance of understanding soil requirements and ecology of different plants
5. Summarize the various uses of plants as related to landscape and garden applications
6. Explain growth habits and requirements
7. Select plants with requirements that conform to selected landscape use criteria

8. Use plant keys to identify plants
9. Demonstrate the use of computerized plant selection programs
10. Create a plant characteristics key for future design work

ORNH B8 Landscape Design

15 students being assessed for Spring, 2016

An assessment will be completed for this class at the completion of the course.

**STUDENT LEARNING OUTCOMES**

1. Create a functional landscape plan applying the principles and elements of design
2. Demonstrate the proper use of drafting tools and graphic material
3. Apply the design process to solve landscape situations and meet client needs
4. Present a landscape plan to a client
5. Identify and describe architectural, historical, and environmental influences on landscape design
6. Identify and select plant materials according to proper environmental considerations and design principles
7. **Summarize the qualifications of landscape Architects and others who design or plan landscape installations** 93.3% can summarize the job of landscape architects.
8. Demonstrate the ability to accurately measure the physical characteristics of a landscape site
9. Identify the basic elements of landscape site analysis and evaluation
10. Explain how computer design software programs can be used in landscape design
11. Compare various computer resources that apply to landscape design

Ornamental Horticulture Courses to be assessed in Fall, 2016

ORNH B1	Fall	2016
ORNH B2	Fall	2016
ORNH B6	Fall	2016
ORNH B36	Fall	2016