

HORT 73 Course Outline as of Fall 2010**CATALOG INFORMATION**

Dept and Nbr: HORT 73 Title: CUT FLWRS. FLD GRWN
 Full Title: Cut Flowers: Field Grown Production for Sonoma County
 Last Reviewed: 9/23/2002

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.00	Lecture Scheduled	3.00	6	Lecture Scheduled	18.00
Minimum	1.00	Lab Scheduled	0	5	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	18.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 36.00

Total Student Learning Hours: 54.00

Title 5 Category: AA Degree Applicable

Grading: Grade or P/NP

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: AG 297.44

Catalog Description:

Field grown cut flower and foliage production in Sonoma County. Topics include crop selection, propagation, planting, irrigation, fertilization, pest control, harvesting, pre- and post-harvest treatments; marketing of fresh and dried materials.

Prerequisites/Corequisites:**Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:**Schedule of Classes Information:**

Description: Field grown cut flower and foliage production in Sonoma County. Topics include crop selection, propagation, planting, irrigation, fertigation, pest control, harvesting, pre-and post-harvest treatments; marketing of fresh and dried materials. (Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:

IGETC:	Transfer Area	Effective:	Inactive:
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CSU Transfer:	Effective:	Inactive:
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UC Transfer:	Effective:	Inactive:
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CID:

Certificate/Major Applicable:

Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:

Upon successful completion of this course students will be able to:

1. Select a crop appropriate to a given market, growing area, and site.
2. Evaluate a site for suitability to crop production.
3. Identify and describe cultural practices for cut flower and foliage crops adapted to Sonoma County.
4. Develop a seasonal planting and harvest schedule.
5. Differentiate among characteristics of significant crop types and plant families.
6. Describe pre-and post-harvest techniques including drying, storage, and shipping methods.
7. Appraise the importance of marketing the crop and analyze local and regional options to determine a viable market.

Topics and Scope:

I. Introduction

A. Why grow cut flowers?

B. Demand and overview of market

II. Who or where is your market?

III. Crop Selection

A. End use

B. Production factors to consider

C. Cultural requirements of crops

IV. Traditional crops

A. Annuals

B. Perennials

C. Bulbs

D. Woody cuts

E. Ornamental grasses

- V. Site considerations
 - A. Soil, water, terrain
 - B. Climate and conditions
 - D. Drainage
 - E. Fencing and access
- VI. Cultivation
 - A. Bed size and preparation
 - B. Seasonal planning for planting, harvest and sale
 - C. Propagation
 - D. Fertigation / Irrigation
 - E. Pest control
- VII. Harvest and Handling
 - A. Pre-harvest techniques
 - B. Harvest
 - 1. Optimal conditions
 - 2. Proper stage of development
 - 3. Field handling
 - C. Post-harvest techniques
 - 1. Drying
 - 2. Storage
 - 3. Preservation
 - D. Packing and delivery
- VIII. Marketing

Assignment:

1. Complete reading assignments and conduct research on cultural practices for chosen cut flower plants.
2. Discuss research in small group format or present orally to class.
3. Prepare a seasonal planting and harvest schedule.
4. Present field-cut flowers for evaluation of timing of cut, proper cut, stem length, and condition.
5. Quizzes and exam.

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.

Writing
0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Seasonal planting & harvest schedule.

Problem solving
10 - 30%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances

Skill Demonstrations
20 - 40%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, True/false, Matching items, Completion

Exams
30 - 60%

Other: Includes any assessment tools that do not logically fit into the above categories.

None

Other Category
0 - 0%

Representative Textbooks and Materials:

SPECIALTY CUT FLOWERS, by Allan M. Armitage. Timber Press, 1993.