

**HORT 120B Course Outline as of Spring 2003****CATALOG INFORMATION**

Dept and Nbr: HORT 120B Title: MEDICINAL PLANTS

Full Title: Medicinal Plants

Last Reviewed: 9/23/2002

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.50	Lecture Scheduled	3.00	8	Lecture Scheduled	24.00
Minimum	1.50	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	24.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 48.00

Total Student Learning Hours: 72.00

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 297.73

**Catalog Description:**

The propagation, cultivation, and uses of medicinal herbs. Topics include planning and planting a medicinal herb garden, harvesting, drying, medicine making, and the beneficial uses of many medicinal herbs.

**Prerequisites/Corequisites:**

Course Completion of HORT 120A ( or AG 90.1)

**Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100

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

Description: The propagation, cultivation, and uses of medicinal herbs. Topics include planning and planting a medicinal herb garden, harvesting, drying, medicine making, and the beneficial uses of many medicinal herbs. (Grade or P/NP)

Prerequisites/Corequisites: Course Completion of HORT 120A ( or AG 90.1)

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:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:

<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
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<b>CSU Transfer:</b>	Effective:	Inactive:
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<b>UC Transfer:</b>	Effective:	Inactive:
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**CID:**

**Certificate/Major Applicable:**

Not Certificate/Major Applicable

## **COURSE CONTENT**

### **Outcomes and Objectives:**

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

1. Identify and describe cultural practices for medicinal plants.
2. Plan a planting and harvest schedule.
3. Identify characteristics of significant herb crop types and plant families.
4. Identify the importance of marketing the crop and list the options available locally and regionally.
5. Explain the medicinal uses of medicinal plants.
6. Discuss the anti-bacterial qualities of herbs and list the herbs in accordance with their greatest anti-bacterial benefits.
7. Demonstrate the use of soap making plants.
8. Evaluate properties of herbs and determine which plants encourage beneficial insects in the garden.
9. List the poisonous herbs according to their toxicity.
10. Create simple formulas of herbs that can be infused for distinctive benefits.

### **Topics and Scope:**

1. Crop selection, propagation, fertigation
2. Pest control, cultural practices
3. Seasonal planning for planting, harvest and sales
4. Pre and post-harvest techniques and marketing
5. Main medicinal uses of each plant
6. Anti-bacterial qualities of herbs
7. Poisonous herbs
8. Designing an herb garden that attracts beneficials
9. Simple herbal formulas

## Assignment:

1. Read and research cultural practices and medicinal values for a chosen medicinal plant.
2. Discuss research in small group format and present orally to class.
3. Write a minimum 3-page report on a selected medicinal herb, focusing on cultural practices and medicinal values.
4. Combine acid & basics substances with herbs to create soap products.
5. Complete toxicity worksheet.
6. Research and select dried herbs for the production of herbal teas.
7. Produce and package herbal teas.
8. Design an herb garden that encourages beneficial insects.

## 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.

Report.

Writing  
10 - 20%

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

None

Problem solving  
0 - 0%

**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  
20 - 40%

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

Attendance.

Other Category  
10 - 20%

## Representative Textbooks and Materials:

ENCYCLOPEDIA OF HERBS AND THEIR USES: by Deni Brown, Dorling Kindersley Publishing, 1995

THE HERBAL MEDICINE-MAKER'S HANDBOOK: by James Green, Wildlife and Green Publications, 1990