

Las Positas College
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Course Outline for NHRT 202
LANDSCAPE AND GARDEN MAINTENANCE
Effective: Fall 2019

I. CATALOG DESCRIPTION:
NHRT 202 — Noncredit

This is an eight week short-term vocational horticulture course with lessons and lab activities are designed for students that have difficulty in a traditional classroom setting. Students will demonstrate basic skills and safety procedures used in lawn maintenance, tree and shrub pruning, basic irrigation repair, and organic weed control strategies.

Grading Methods:

Pass/No Pass

Discipline:

- Vocational (short-term): Noncredit

Noncredit Category

J - Workforce Preparation

| | MIN |
|-------------------------------|--------------|
| Total Noncredit Hours: | 32.00 |

II. PREREQUISITE AND/OR ADVISORY SKILLS:

III. MEASURABLE OBJECTIVES:

Upon completion of this course, the student should be able to:

- A. Identify eight (8) types of lawn, landscape and pruning tools, and describe how they should be used safely.
- B. Identify two (2) types of turf surfaces and the maintenance they require.
- C. Demonstrate correct heading and thinning type pruning cuts used in four (4) selected tree and shrub species.
- D. Describe eight (8) common irrigation components, and describe how they are used in the construction and maintenance of irrigation systems.
- E. Describe three (3) steps use in the installation of sheet mulching, as a means of organic weed control.

IV. CONTENT:

- A. Safety procedures used with common lawn and landscape tools, and the use of personal protective equipment.
- B. Maintenance of conventional turf lawns, as well as low maintenance turf.
- C. Basic pruning as applied to common shrubs and trees.
- D. Simple irrigation repairs.
- E. Organic weed control strategies.

V. METHODS OF INSTRUCTION:

- A. The class will begin with teacher-centered instruction in an appropriate format to demonstrate the steps to perform the skills to be mastered. Then students will participate in hands-on skill building activities, practicing the skills presented. The instructor will monitor and guide the students performing these skills. After these skill building activities, the students will gather again for a final teacher centered group activity, during which they will review the skills learned.

VI. TYPICAL ASSIGNMENTS:

- A. Students will be assigned personal protective equipment and asked to demonstrate their usage.
- B. Students will be assigned a piece of lawn equipment, and be evaluated on any set-up, adjustments, usage, cleaning, and storage necessary.
- C. Students will be asked to participate in the trimming or pruning of a select tree or shrub.
- D. Students will be given a box of irrigation fittings and asked to demonstrate the construction of a triple swing joint.
- E. Students will participate in a group project, the sheet-mulching of a landscape bed.

VII. EVALUATION:

Methods/Frequency

- A. Group Projects
one
- B. Class Participation
daily
- C. Class Work
daily
- D. Class Performance
daily
- E. Final Performance

final exam

VIII. TYPICAL TEXTS:

1. The teacher will provide appropriate training materials, during each class. These may take the form of handouts, or visual presentations.
2. The New Western Garden Book: The Ultimate Gardening Guide (Paper)) 9th Edition
by Editors of Sunset Magazine (Author)
ISBN-13: 978-0376039200
ISBN-10: 0376039205

IX. OTHER MATERIALS REQUIRED OF STUDENTS:

- A. Students will be expected to wear appropriate clothing, shoes, or personal protective equipment, in order to participate in lab activities.