

SOUTH SEATTLE COMMUNITY COLLEGE*Professional and Technical Education***COURSE OUTLINE****Revision:** Van Bobbitt March 2011

DEPARTMENT:	Hospitality and Service Occupations
CURRICULUM:	Landscape Horticulture
COURSE TITLE:	Weed Identification and Management
COURSE NUMBER:	LHO 108
TYPE OF COURSE:	Professional Technical
COURSE LENGTH:	1 quarter
CREDIT HOURS:	3
LECTURE HOURS:	33
LAB HOURS:	0
CLASS SIZE:	30
PREREQUISITES:	None

Course Description:

Recognize common landscape weeds and other invasive species. Learn to use weed identification tools (print and electronic formats). Explore weed biology, become familiar with various weed management strategies (cultural, biological, chemical), and learn how to develop an integrated weed management plan. This course will help you prepare for the weed section of the WSDA pesticide license exam.

Student Learning Outcomes Addressed:

1. Communication—Be able to speak and write effectively to communicate information about weed management to customers and peers.
2. Computation—Use basic mathematics to complete computations required for application of herbicides.
3. Critical Thinking and Problem Solving—Use critical thinking skills to systematically identify weed species. Also use critical thinking to develop weed management programs that balance ecological, health, aesthetic, and economic considerations.
4. Technology—Use current tools (print and electronic formats) to systematically identify weed species and to develop effective and environmentally sound weed management recommendations.

5. Information Literacy—Access and critically evaluate information on weed management.

General Course Objectives:

At the end of the course the student will:

1. Understand basic weed biology.
2. Be able to develop an integrated plan to manage landscape weeds or invasive species of natural areas.
3. Be able to use standard professional reference tools to develop management strategies
4. Understand safety, environmental, and legal concerns associated with weed management
5. Be able to identify common landscape weeds and invasive species by sight
6. Be able to use standard reference manuals to identify weeds.

Topical Outline:

Approx. Hours

I. Weed biology	2
II. Impact of invasive exotic species on natural areas	2
III. Integrated weed management strategies	2
IV. Herbicide safety, legal and environmental concerns	4
V. Calculations and calibration of equipment	2
VI. Develop integrated weed management plans	4
VII. Edible weeds	1
VIII. Weed recognition by sight	10
IX. Weed identification using printed reference manuals	3
X. Weed identification using electronic tools	3

Total

33

Revised by: Van Bobbitt

Date: March 21, 2011