

# LANDSCAPING/3 (600 Hours)

Course No.: 70-25-80

## COMPETENCY CHECKLIST

Student Name \_\_\_\_\_

Teacher Name \_\_\_\_\_ School Site \_\_\_\_\_

Start Date \_\_\_\_\_ Completion Date \_\_\_\_\_ Certificate Date \_\_\_\_\_

Teacher Signature \_\_\_\_\_ Student Signature \_\_\_\_\_

(Signatures verify completion of course competencies)

### A. WORKPLACE SAFETY (8 hrs)

- \_\_\_\_\_ 1. Review scope and purpose of class
- \_\_\_\_\_ 2. Review class policies and procedures
- \_\_\_\_\_ 3. Review job safety requirements
- \_\_\_\_\_ 4. Review various first aid techniques
- \_\_\_\_\_ 5. Safe use & care of general landscape tools
- \_\_\_\_\_ 6. Cal/OSHA requirements for landscapers
- \_\_\_\_\_ 7. Safety requirements for industry careers
- \_\_\_\_\_ 8. Pass the safety test

### B. POWER AND SAFETY EQUIPMENT (50 hrs)

- \_\_\_\_\_ 1. Rules & regulations for power equipment
- \_\_\_\_\_ 2. Safety equipment used in landscaping
- \_\_\_\_\_ 3. Power equipment & personal safety
- \_\_\_\_\_ 4. Use/maintain/store safety equipment
- \_\_\_\_\_ 5. Features & functions of power equipment
- \_\_\_\_\_ 6. Use, maintain and store power equipment

### C. PLANT IDENTIFICATION - PART III (30 hrs)

- \_\_\_\_\_ 1. Plant classification systems
- \_\_\_\_\_ 2. Binomial system of naming plants
- \_\_\_\_\_ 3. Exotic trees that can be used in landscape
- \_\_\_\_\_ 4. Exotic shrubs to use in landscape
- \_\_\_\_\_ 5. Exotic vines to use in landscape
- \_\_\_\_\_ 6. Exotic perennials to use in landscape
- \_\_\_\_\_ 7. Exotic biennials to use in landscape
- \_\_\_\_\_ 8. Exotic annuals to use in landscape
- \_\_\_\_\_ 9. Exotic grasses & broad leaves for lawn use

### D. LANDSCAPE DESIGN & CONSTRUCTION (300 hrs)

- \_\_\_\_\_ 1. Different parts of irrigation plan
- \_\_\_\_\_ 2. Steps used in reading an irrigation plan
- \_\_\_\_\_ 3. Use of installation tools & equipment
- \_\_\_\_\_ 4. Advanced irrigation products
- \_\_\_\_\_ 5. Fundamentals of concrete installation

- \_\_\_\_\_ 6. Proper laying of brick on sand
- \_\_\_\_\_ 7. Fundamentals of sand box construction
- \_\_\_\_\_ 8. Different parts of a planting plan
- \_\_\_\_\_ 9. Steps in reading a planting plan

### E. SOIL AMENDMENTS (30 hrs)

- \_\_\_\_\_ 1. Different types of soils
- \_\_\_\_\_ 2. Features of each type of soil
- \_\_\_\_\_ 3. Procedures used in soil sampling
- \_\_\_\_\_ 4. Different types of soil problems
- \_\_\_\_\_ 5. Remedies for each type of soil problem
- \_\_\_\_\_ 6. Procedures used in analyzing soil problems
- \_\_\_\_\_ 7. Procedures used applying remedies
- \_\_\_\_\_ 8. Define soil amendments
- \_\_\_\_\_ 9. Features of listed soil amendments
- \_\_\_\_\_ 10. Effects of soil drainage on soil amendments

### F. TURF MAINTENANCE (80 hrs)

- \_\_\_\_\_ 1. Define turf
- \_\_\_\_\_ 2. Identify 4 different types of turf
- \_\_\_\_\_ 3. Fertilizer requirements for different turf types
- \_\_\_\_\_ 4. Warm-season grasses vs. cool-season grasses
- \_\_\_\_\_ 5. Effects of fertilizer on turf
- \_\_\_\_\_ 6. Proper grading of property and drainage
- \_\_\_\_\_ 7. Proper use of builder's level
- \_\_\_\_\_ 8. Proper operation of tractors
- \_\_\_\_\_ 9. Proper operation of roto-tillers
- \_\_\_\_\_ 10. Techniques in seeding of a lawn
- \_\_\_\_\_ 11. Techniques in laying sod
- \_\_\_\_\_ 12. Proper operation of various lawn mowers
- \_\_\_\_\_ 13. Proper operation of blade edger
- \_\_\_\_\_ 14. Proper operation of string weed eater
- \_\_\_\_\_ 15. Proper operation of blower
- \_\_\_\_\_ 16. Proper mowing techniques
- \_\_\_\_\_ 17. Proper operation of lawn edger

- \_\_\_ 18. Application of fertilizer to turf
- \_\_\_ 19. Irrigation practices & water conservation

**G. FERTILIZATION (30 hrs)**

- \_\_\_ 1. Define fertilization
- \_\_\_ 2. Pollen, stigma, pistil & role in fertilization
- \_\_\_ 3. Techniques used in plant fertilization
- \_\_\_ 4. Safety procedures in plant fertilization
- \_\_\_ 5. Methods of plant fertilization

**H. PEST MANAGEMENT (30 hrs)**

- \_\_\_ 1. Define pest management
- \_\_\_ 2. Pests that populate the landscaping areas
- \_\_\_ 3. Different types of beneficial insects
- \_\_\_ 4. Local & state pest management & industry
- \_\_\_ 5. Safety procedures and pest management
- \_\_\_ 6. Methods of pest management

**I. GREENHOUSE OPERATIONS (10 hrs)**

- \_\_\_ 1. Define greenhouse
- \_\_\_ 2. Compare a greenhouse to a cold frame
- \_\_\_ 3. Glass-paned vs. plastic-paned greenhouse
- \_\_\_ 4. Pests & diseases in greenhouses
- \_\_\_ 5. Basic greenhouse procedures

**J. WATER MANAGEMENT REVIEW (2 hrs)**

- \_\_\_ 1. Review terms related to topic
- \_\_\_ 2. Managing resources in water management
- \_\_\_ 3. Examples of effective management
- \_\_\_ 4. Benefits of effective water management

**K. EMPLOYABILITY SKILLS/ENTREPRENEURSHIP (30 hrs)**

- \_\_\_ 1. Employment preparation
- \_\_\_ 2. Demonstrate listed job skills
- \_\_\_ 3. Develop a résumé
- \_\_\_ 4. Characteristics desirable in job interview
- \_\_\_ 5. Customer service to build relationships
- \_\_\_ 6. Ethical conduct essential to employment
- \_\_\_ 7. Opportunities related to landscaping
- \_\_\_ 8. Develop sample business plan
- \_\_\_ 9. Legal aspects of landscape business
- \_\_\_ 10. State & local licensing requirements
- \_\_\_ 11. Visit /evaluate 3 landscaping operations