

# LANDSCAPING/2 (180 Hours)

Course No.: 70-25-75

## 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 (5 hrs)

- \_\_\_\_\_ 1. Review scope and purpose of the course
- \_\_\_\_\_ 2. Review classroom policies and procedures
- \_\_\_\_\_ 3. Review job safety requirements
- \_\_\_\_\_ 4. Review various first aid techniques
- \_\_\_\_\_ 5. Review use/care of various landscape tools
- \_\_\_\_\_ 6. OSHA workplace requirements of industry
- \_\_\_\_\_ 7. Safety test

### B. POWER HAND TOOLS (7 hrs)

- \_\_\_\_\_ 1. Identify power hand tools used in industry
- \_\_\_\_\_ 2. Use/maintenance/ storage of power tools
- \_\_\_\_\_ 3. Identify power equipment used in industry
- \_\_\_\_\_ 4. Use/maintenance/storage of equipment

### C. PLANT IDENTIFICATION - PART II (15 hrs)

- \_\_\_\_\_ 1. Review functions of leaves
- \_\_\_\_\_ 2. Review functions of roots
- \_\_\_\_\_ 3. Review functions of stems
- \_\_\_\_\_ 4. Review functions of flowers & fruits
- \_\_\_\_\_ 5. Review process of photosynthesis
- \_\_\_\_\_ 6. Movement of water & nutrients in plants
- \_\_\_\_\_ 7. Review plant classification systems
- \_\_\_\_\_ 8. Trees for prescribed landscaping needs
- \_\_\_\_\_ 9. Shrubs for prescribed landscaping needs
- \_\_\_\_\_ 10. Vines for prescribed landscaping needs
- \_\_\_\_\_ 11. Perennials for various landscaping needs
- \_\_\_\_\_ 12. Biennials for various landscaping needs
- \_\_\_\_\_ 13. Annuals for various landscaping needs
- \_\_\_\_\_ 14. Grasses & broad leaves to be used a lawn

### D. SOIL ANALYSIS (6 hrs)

- \_\_\_\_\_ 1. Review features of each type of soil
- \_\_\_\_\_ 2. Review procedures used in soil sampling
- \_\_\_\_\_ 3. Different types of soil problems

- \_\_\_\_\_ 4. Appropriate remedies for each problem
- \_\_\_\_\_ 5. Procedures used in analyzing soil problems
- \_\_\_\_\_ 6. Proper application of remedies to soil

### E. LANDSCAPE IRRIGATION (90 hrs)

- \_\_\_\_\_ 1. Define irrigation
- \_\_\_\_\_ 2. Features/functions of irrigation components
- \_\_\_\_\_ 3. Factors that affect irrigation plan
- \_\_\_\_\_ 4. Obtain site information
- \_\_\_\_\_ 5. Determine irrigation requirements/practices
- \_\_\_\_\_ 6. Determine water and power supply
- \_\_\_\_\_ 7. Selection of appropriate sprinklers
- \_\_\_\_\_ 8. How to circuit sprinklers/locate valves & main
- \_\_\_\_\_ 9. Selection of appropriate pipe and valve sizes
- \_\_\_\_\_ 10. Calculate total system pressure loss
- \_\_\_\_\_ 11. Select appropriate location for controllers
- \_\_\_\_\_ 12. Select appropriate wire sizes for applications
- \_\_\_\_\_ 13. Use of irrigation symbols in drawing plans
- \_\_\_\_\_ 14. Prepare a final irrigation plan
- \_\_\_\_\_ 15. Proper estimation of quantity/cost of materials
- \_\_\_\_\_ 16. Proper diagnoses of irrigation problems
- \_\_\_\_\_ 17. Proper repair of an irrigation system
- \_\_\_\_\_ 18. Safety procedures related to irrigation repair

### F. WEED ABATEMENT (10 hrs)

- \_\_\_\_\_ 1. Define weed abatement
- \_\_\_\_\_ 2. Identify different types of weeds
- \_\_\_\_\_ 3. Detrimental effects of weeds on landscape
- \_\_\_\_\_ 4. Various mechanical weed abatements
- \_\_\_\_\_ 5. Proper use of weeding tools
- \_\_\_\_\_ 6. Selective weed removal from landscape areas
- \_\_\_\_\_ 7. Selective removal of weeds from lawns
- \_\_\_\_\_ 8. Selective removal of weeds from grounds area
- \_\_\_\_\_ 9. Effectiveness of chemicals on weed types
- \_\_\_\_\_ 10. Chemical weed abatement techniques

**G. PRUNING (15 hrs)**

- \_\_\_\_\_ 1. Define pruning
- \_\_\_\_\_ 2. Basic tools & their use in pruning process
- \_\_\_\_\_ 3. Reasons for pruning
- \_\_\_\_\_ 4. Identify various types of pruning
- \_\_\_\_\_ 5. Safe working practices in pruning process
- \_\_\_\_\_ 6. Appropriate location for a 'cut' on a limb

**H. PLANT PROPAGATION (30 hrs)**

- \_\_\_\_\_ 1. Define propagation
- \_\_\_\_\_ 2. Discuss/demonstrate how plants multiply
- \_\_\_\_\_ 3. Seeding in containers and in open ground
- \_\_\_\_\_ 4. Advantages of vegetable propagation
- \_\_\_\_\_ 5. Demonstrate vegetable means of propagation
- \_\_\_\_\_ 6. Discuss/demo transplanting procedures

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

- \_\_\_\_\_ 1. Review basics of water management
- \_\_\_\_\_ 2. Review managing resources in landscaping
- \_\_\_\_\_ 3. Review examples of effective management
- \_\_\_\_\_ 4. Benefits of effective water management