COMMON COURSE OUTLINE: Course discipline/number/title: HTLS 2343: Landscape Installation and Construction

A. CATALOG DESCRIPTION
1. Credits: 4
2. Hours/Week: 4
3. Prerequisites (Course discipline/number): ENGL 0980, MATH 0093; HORT 2338 or consent of instructor.
4. Co-requisites (Course discipline/number): None
5. MnTC Goals (if any): NA

Landscape installation and construction projects will attempt to provide reasons, and practical work experience, about why and how to design and build when installing a landscape. Landscape irrigation theory and practice is also included.

B. DATE LAST REVISED (Month, year): January, 1997

C. OUTLINE OF MAJOR CONTENT AREAS:
The installation and maintenance of a landscaped environment is a important factor in the overall quality of life in residential, business, and recreation settings. The ability to properly install and maintain landscaped areas is an essential skill in the landscape industry. This course is designed to cover topics in site plan interpretation, landscape site preparation, plant material installation, hardscape construction and installation, irrigation and basic grounds maintenance.

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Interpret landscape site plans.
2. Calculate landscape site materials.
3. Analyze landscape site tool-equipment requirements.
4. Describe landscape site preparation requirements.
5. Examine soil grading-landscape equipment.
6. Examine soil grading techniques.
7. Final-grade landscape site.
8. Examine erosion control-soil drainage methods.
9. Stake landscape site.
11. Install landscape edging.
12. Install landscape weed barriers.
13. Contrast landscape mulch.
15. Examine nursery stock handling procedures.
17. Examine transplanting procedures.
18. Contrast soil amendments.
19. Perform soil amending.
22. Perform nursery stock wrapping staking techniques.
23. Contrast plant material pruning techniques.
25. Describe fertilization-watering methods.
26. Apply landscape site fertilizer-water.
27. Contrast turfgrass establishment methods.
28. Examine seeding-sodding methods.
29. Examine sod removal procedures.
30. Prepare seedbed-sodbed.
31. Install seed.
32. Install sod.
33. Describe post-turfgrass establishment procedures.
34. Describe post-planting care.
35. Describe landscape installation customer service practices.
D. LEARNING OUTCOMES (GENERAL): Continued... The student will be able to:
36. Clean landscape site.
37. Plan patio construction.
38. Construct patio.
40. Construct wooden deck.
41. Plan retaining walls.
42. Construct retaining walls.
43. Plan construction of walks and floors.
44. Construct walks and floors.
45. Differentiate fences, screens, and gates.
46. Analyze ponds, pools, and fountain features.
47. Analyze landscape lighting features.
48. Identify numerous other landscape features.
49. Design and install irrigation components and systems.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
   1. Tests
   2. Quizzes
   3. Lab work
   4. Other assignments
   5. Class Participation

G. SPECIAL INFORMATION (if any):
   Tuition Differential