A. **Course Description**
   - **Credits:** 3.00
   - **Lecture Hours/Week:** 1.50
   - **Lab Hours/Week:** 1.50
   - **OJT Hours/Week:** 0
   - **Prerequisites:** None
   - **Corequisites:** None
   - **MnTC Goals:** None

   This course covers the advanced installation process of landscape features including: soil amendments, drainage systems, plants, edging, mulches, as well as hard scape features such as patios, walkways, retaining walls, fencing, etc. Basic land surveying will be included. We will also take field trips to visit work sites and companies in the area. Prerequisites: LAHT 1300

B. **Course Effective Dates:** 8/21/17 – Present

C. **Outline of Major Content Areas**
   - As noted on course syllabus

D. **Learning Outcomes**
   1. Analyze building permits
   2. Analyze site for retaining wall
   3. Bench construction
   4. Build patio
   5. Build retaining wall
   6. Build wall footings
   7. Calculate site elevations
   8. Calculate slope
   9. Chicken coop construction
   10. Construct fence
   11. Demonstrate competency setting up survey equipment
   12. Demonstrate drainage and back fill techniques
   13. Demonstrate tie-back construction
   14. Describe components of concrete
15. Design a fence
16. Design patio
17. Develop a project proposal and budget
18. Estimate materials and cost for fence
19. Estimate materials and cost of patio
20. Estimate materials for retaining wall
21. Explain lumber types and grade
22. Identify brick types and uses
23. Identify concrete retaining wall material
24. Identify fence styles and materials
25. Identify hardscape stone features and uses
26. Identify lumber defects
27. Identify paver types and installation procedures
28. Identify surveying terminology
29. Identify wood types and uses
30. Mix concrete and pour and cure
31. Prepare concrete forms for patio
32. Prepare site for patio
33. Prepare site for retaining wall
34. Raised bed construction
35. Table construction

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

F. Learner Outcomes Assessment
   As noted on course syllabus

G. Special Information
   None noted