COMMON COURSE OUTLINE: Course discipline/number/title: HTLS 1322: Turf and Landscape Management

A. CATALOG DESCRIPTION
   1. Credits: 4
   2. Hours/Week: 2 hours lecture and 4 hours lab per week
   3. Prerequisites (Course discipline/number): None
   4. Co-requisites (Course discipline/number): None
   5. MnTC Goals (if any): NA

   The management of high quality turf and landscape plantings requires specialized skills. An integration of turf and landscape maintenance theory and practice will be applied to residential and commercial landscapes, public green spaces, golf courses, athletic fields, and other recreational landscapes. This course is designed to give students hands-on experience with the safe operation and maintenance of turf and landscape power equipment.

B. DATE LAST REVISED (Month, year): May, 2015

C. OUTLINE OF MAJOR CONTENT AREAS:
   1. Managing the Turf and Landscape
      a) Landscape Design and grounds management
      b) Pruning landscape plants
      c) Water management
      d) Fertilizing the Landscape
      e) Color in the landscape
      f) Turfgrass management
      g) Pest Management
      h) Leaf and Debris removal
      i) Snow Removal
      j) Sustainable Landscape methods
   2. Managing the Business
      a) Marketing landscape management
      b) Specifications & contracts
      c) Estimating landscape management services
      d) Personnel management
      e) Equipment selection & acquisition

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
   1. Demonstrate the ability to develop an annual maintenance program for the optimal care of a landscape site including turf, ornamental trees and shrubs, and herbaceous plants.
   2. Prepare an annual operating budget for a landscape site that accounts for labor and supplies including plant material, fertilizers, pesticides, and related products to complete the required activities cited in the annual maintenance program.
   3. Explain how and why budgets, quality expectations and intended use impact the selection of plants and other materials in both an initial establishment and a renovation situation.
   4. Discuss the importance of water management, drainage and irrigation.
   5. Evaluate the efficiency of an irrigation system on a landscape site, including scheduling, and make recommendations to improve efficiency.
   6. Develop pruning specifications that are in accordance with the best management practices and the ANSI standards.
   7. Develop an integrated plant health care program that will monitor plant health and implement strategies, including an integrated pest management plan, to maintain and/or improve plant health.
   8. Demonstrate the safe operation and maintenance of turf and landscape power equipment.
   9. Uses a team approach to problem solving, discussion, assessment planning, and oral presentations of applied case studies.
E. LEARNING OUTCOMES (MNTC):  

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

G. RCTC CORE OUTCOME(S) ADDRESSED: 
   ☑ Communication  ☑ Civic Responsibility  
   ☑ Critical Thinking  ☑ Personal/Professional Accountability  
   ☑ Global Awareness/Diversity  ☑ Aesthetic Response  

H. SPECIAL INFORMATION (if any): None