COMMON COURSE OUTLINE: Course discipline/number/title: HTLS 2345: Golf course Field Operations

A. CATALOG DESCRIPTION
1. Credits: 3
2. Hours/Week: 1 hour lecture and 4 hours lab
3. Prerequisites (Course discipline/number): ENGL 0840 and ENGL 0990; MATH 0093; HORT 1318.
4. Co-requisites (Course discipline/number): None
5. MnTC Goals (if any): NA

This course covers the practical applications of golf course maintenance and construction techniques. Emphasis will be on turfgrass observation and diagnosis with recommendations for appropriate solutions.

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

C. OUTLINE OF MAJOR CONTENT AREAS:
This course will emphasize the application of basic turfgrass principles to golf course turfgrass culture.

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Address golf course architecture.
2. Analyze rough construction.
3. Define the bunker.
4. Define the rough.
5. Define water hazards.
6. Define climatic regions.
7. Define golf course fairway.
8. Define golf course terminology.
9. Define management practices for the practice green.
10. Define the putting green and its' components.
11. Design organizational structure.
12. Determine cup placement.
13. Determine putting green establishment procedures.
14. Determine rough characteristics.
15. Determine rough turfgrass selection.
16. Examine philosophy of course operation and maintenance.
17. Explain function and management of collar and apron.
18. Explain putting green cultural systems.
19. Identify bunker design features.
20. Identify components of tee quality.
21. Identify construction procedures.
22. Identify fairway turfgrass selection.
23. Identify golf course organizations.
24. Identify putting green turfgrasses.
25. Identify steps in fairway construction.
26. Identify tee turfgrass selection.
27. Outline bunker construction.
28. Outline bunker maintenance.
29. Outline fairway cultural systems.
30. Outline fairway turfgrass establishment.
32. Outline procedures of golf course development.
33. Outline putting green construction.
34. Outline rough cultural systems.
35. Outline steps for tee construction.
36. Outline tee cultural systems.
37. Outline turfgrass rough establishment.
38. Specify components of fairway quality.
39. Identify golf course maintenance equipment.
D. LEARNING OUTCOMES (GENERAL): Continued... The student will be able to:
   40. Select machinery and equipment.
   41. Operate machinery and equipment.
   42. Service machinery and equipment.
   43. Calibrate machinery and equipment.
   44. Determine maintenance facility needs.
   45. Develop safety plans.
   46. Outline irrigation system guidelines.
   47. Diagnose pest and stress problems.
   49. Develop golf course management plan.

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