

Course Outline of Record

1. Course Code: AGEH-024
2.
 - a. Long Course Title: Advanced Turfgrass Management
 - b. Short Course Title: ADV TURFGRASS MGMT
3.
 - a. Catalog Course Description:
 This course uses the basic principles of turfgrass science learned in the introductory turfgrass management courses; those principles are applied to golf course maintenance procedures. Golf course operational procedures for the desert environment are emphasized.
 - b. Class Schedule Course Description:
 This course uses the basic principles of turfgrass science as applied to golf course maintenance procedures. Golf course operational procedures for the desert environment are emphasized.
 - c. Semester Cycle (if applicable): N/A
 - d. Name of Approved Program(s):
 - TURFGRASS MANAGEMENT Certificate of Achievement
4. Total Units: 3.00 Total Semester Hrs: 54.00
 Lecture Units: 3 Semester Lecture Hrs: 54.00
 Lab Units: 0 Semester Lab Hrs: 0
 Class Size Maximum: 26 Allow Audit: No
 Repeatability No Repeats Allowed
 Justification 0
5. Prerequisite or Corequisite Courses or Advisories:
Course with requisite(s) and/or advisory is required to complete Content Review Matrix (CCForm1-A)
N/A
6. Textbooks, Required Reading or Software: (List in APA or MLA format.)
 - a. McCarty, L.B. (2010). *Best Golf Course Management Practices* (3rd/e). Upper Saddle River, NJ Prentice-Hall, Inc.. ISBN: 9780135047095
 College Level: Yes
 Flesch-Kincaid reading level: 12
 - b. Nick Christians, Michael L. Agnew. *The Mathematics of Turfgrass Maintenance*. Wiley , 10-28-2016.
7. Entrance Skills: *Before entering the course students must be able:*
8. Course Content and Scope:

Lecture:

1. Golf and the Golf Courses
2. Building a Golf Course
3. The Putting Green
4. The Tee
5. The Fairway
6. The Rough
7. The Bunker
8. Equipment
9. The Irrigation System
10. Pests and Stresses
11. Management
12. Other Aspects of Golf Course Operation

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Lab: *(if the "Lab Hours" is greater than zero this is required)*

9. Course Student Learning Outcomes:

1.
Identify turfgrass management cultural practices currently utilized on local golf courses.
2.
Develop a comprehensive budget specifically for a golf course operation.

10. Course Objectives: *Upon completion of this course, students will be able to:*

- a. Use critical thinking to solve daily maintenance problems.
- b. Synthesize information and analyze the information in the work place.
- c. Investigate new products and assess their acceptability in a maintenance program.
- d. Define problems and how to apply basic turfgrass principles to formulate solutions.

11. Methods of Instruction: *(Integration: Elements should validate parallel course outline elements)*

- a. Demonstration, Repetition/Practice
- b. Discussion
- c. Lecture

Other Methods:

Reading assignments Use of audio-visual for presentation Field trips
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12. Assignments: *(List samples of specific activities/assignments students are expected to complete both in and outside of class.)*

In Class Hours: 54.00

Outside Class Hours: 108.00

a. In-class Assignments

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| <ol style="list-style-type: none">1. Detailed note taking.2. Viewing slides and take notes on material covered3. Review and research available literature in preparation for term paper4. Develop a turfgrass products book from available literature and handouts5. Classroom participation is expected and required6. Exams will include: essay, multiple choice, matching and true/false questions |
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b. Out-of-class Assignments

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| <ol style="list-style-type: none">1. Reading assignments from required text2. Review and research available literature in preparation for term paper3. Develop a turfgrass products book from available literature and handout |
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13. Methods of Evaluating Student Progress: *The student will demonstrate proficiency by:*

- Written homework
- Computational/problem solving evaluations
- Presentations/student demonstration observations
- Group activity participation/observation
- True/false/multiple choice examinations
- Mid-term and final evaluations
- Student participation/contribution
- Student preparation

14. Methods of Evaluating: Additional Assessment Information:

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15. Need/Purpose/Rationale -- *All courses must meet one or more CCC missions.*

PO - Career and Technical Education

Fulfill the requirements for an entry- level position in their field.

Apply critical thinking skills to execute daily duties in their area of employment.

Apply critical thinking skills to research, evaluate, analyze, and synthesize information.

Exhibit effective written, oral communication and interpersonal skills.

IO - Personal and Professional Development

Self-evaluate knowledge, skills, and abilities.

16. Comparable Transfer Course

University System	Campus	Course Number	Course Title	Catalog Year
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17. Special Materials and/or Equipment Required of Students:

18. Materials Fees: Required Material?

Material or Item	Cost Per Unit	Total Cost
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19. Provide Reasons for the Substantial Modifications or New Course:

Remove English 70

20. a. Cross-Listed Course (*Enter Course Code*): *N/A*

b. Replacement Course (*Enter original Course Code*): *N/A*

21. Grading Method (*choose one*): Letter Grade Only

22. MIS Course Data Elements

a. Course Control Number [CB00]: CCC000331068

b. T.O.P. Code [CB03]: 10900.00 - Horticulture

c. Credit Status [CB04]: D - Credit - Degree Applicable

d. Course Transfer Status [CB05]: B = Transfer CSU

e. Basic Skills Status [CB08]: 2N = Not basic skills course

f. Vocational Status [CB09]: Advanced Occupational

g. Course Classification [CB11]: Y - Credit Course

h. Special Class Status [CB13]: N - Not Special

i. Course CAN Code [CB14]: *N/A*

j. Course Prior to College Level [CB21]: Y = Not Applicable

k. Course Noncredit Category [CB22]: Y - Not Applicable

l. Funding Agency Category [CB23]: Y = Not Applicable

m. Program Status [CB24]: 1 = Program Applicable

Name of Approved Program (*if program-applicable*): TURFGRASS MANAGEMENT

Attach listings of Degree and/or Certificate Programs showing this course as a required or a restricted elective.)

23. Enrollment - Estimate Enrollment

First Year: 0

Third Year: 0

24. Resources - Faculty - Discipline and Other Qualifications:

a. Sufficient Faculty Resources: Yes

b. If No, list number of FTE needed to offer this course: *N/A*

25. Additional Equipment and/or Supplies Needed and Source of Funding.

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N/A

26. Additional Construction or Modification of Existing Classroom Space Needed. (*Explain:*)

N/A

27. FOR NEW OR SUBSTANTIALLY MODIFIED COURSES

Library and/or Learning Resources Present in the Collection are Sufficient to Meet the Need of the Students Enrolled in the Course: Yes

28. Originator Eddie Vaca Origination Date 10/27/17