

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: HRT 295

Credits: 3

Course Title: Topics in Horticulture: Sports Turf Management

Course Description: Addresses the scientific principles for the establishment and maintenance of intensely managed turf grass for golf courses and athletic fields. Topics include seeding, sprigging, sodding, irrigation, fertilization; weed identification and control, insect identification and control, fungus identification and control, drainage, and mowing. Also covers critical tasks for constructing recreational turf grass facilities. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

General Course Purpose: Introduce students to the different practices of establishing and maintaining intensely used turf for sports fields.

Course Prerequisites and Co-requisites:

None

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Identify turf grass species;
- b. Identify cultural conditions necessary for turf grass growth;
- c. Identify and control insects and diseases that affect turf grass; and
- d. Recognize different aspects of designing, installing, and management of an athletic field.

Major Topics to Be Included:

- a. Athletic field design, construction, and drainage
- b. Turf grass selections for athletic fields
- c. Insect and disease identification and control

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