

Common Course Number: ORH-2835-C

Course Title: Computer-Aided Landscape Design-I

Catalog Course Description: Students will learn CAD fundamentals and then create computer-generated drawings. Using these fundamentals and landscape design concepts, students will generate both landscape and hardscape aspects of residential landscape designs. A combination lecture & lab course (2 lecture and 2 lab hrs. per week).

Credit Hours: 2

Prerequisites: CGS 1060, working knowledge of landscape plants or permission of instructor.

Co requisite: None

Course competencies:

Competency 1: Basic principles of landscape design.

Upon successful completion of this course, the student will demonstrate knowledge of the basic principles of landscape design by:

- A. Preparing a landscape design.
- B. Designing a hardscape plan.
- C. Locating existing utilities.

Competency 2: Selection of appropriate plants to design and site requirements.

Upon successful completion of this course, the student will demonstrate knowledge of the appropriate plant species according to site requirements by:

- A. Identifying, designing and selecting appropriate plant materials for desired effect and function.
- B. Determining plant water requirements.
- C. Developing a list of plants and materials required for the project

Competency 3: Appropriate use of computer techniques and symbols in landscape drawings.

Upon successful completion of this course, the student will demonstrate knowledge of the use of computer techniques and symbols in landscape drawings by:

- 1. Using properly computer-assisted drafting (CAD) system.
- 2. Determining the method and form of presentation of the project.
- 3. Describing the use of computers in the landscape operation.
- 4. Creating, developing a reference library of plant symbols for general design use.