

CUYAMACA COLLEGE
COURSE OUTLINE OF RECORD

ORNAMENTAL HORTICULTURE 222 – JAPANESE GARDEN DESIGN AND CONSTRUCTION

.5 hour lecture, 1.5 hours laboratory, 1 unit

Catalog Description

An introduction to Japanese garden design concepts and construction methods. The course will cover the historical development of Japanese gardens and, based on the 11th century garden design book *Sakuteiki*, design concepts and construction of garden elements such as stone compositions, streams, ponds, waterfalls, Zen-influenced stone gardens (dry landscape garden), water-basins, introduction to traditional pruning and other basic design, construction and maintenance techniques.

Prerequisite

None

Course Content

- 1) Japanese garden history and principles
- 2) Koi pond waterfall construction
- 3) Zen garden construction and stone composition
- 4) Water basin composition and construction
- 5) Mounding and soil preparation
- 6) Pine tree pruning
- 7) Other specimen and fruit tree pruning
- 8) Sustainable maintenance methods
- 9) Introduction to shrub and tree planting
- 10) Stone pathway and stepping stone designs

Course Objectives

Students will be able to:

- 1) Describe the traditional Japanese garden design principles and techniques.
- 2) Describe the design composition and construction of ponds, waterfalls, water basins, stone gardens and stone walls.
- 3) Describe basic traditional pruning techniques of shrubs and trees.

Method of Evaluation

A grading system will be established by the instructor and implemented uniformly. Grades will be based on demonstrated proficiency in subject matter determined by multiple measurements for evaluation, one of which must be essay exams, skills demonstration or, where appropriate, the symbol system.

- 1) Evaluation of design presentation
- 2) Construction and pruning skills demonstration
- 3) Quizzes and exams
- 4) Final project

Special Materials Required of Student

- 1) Basic graphics tools and equipment
- 2) Hardhat, gloves, protective glasses, clipper
- 3) Sketch book

Minimum Instructional Facilities

- 1) Standard lecture classroom
- 2) Lab field site with elements of a Japanese garden including Koi pond, waterfall, dry landscape gardens, bamboo fences, water basins and traditional planting

Method of Instruction

- 1) Lecture and demonstration
- 2) Laboratory

Out-of-Class Assignments

- 1) Reading assignments
- 2) Final project

Texts and References

- 1) Required (representative example): Keane, Marc. *Japanese Garden Design*. Charles E. Tuttle Publishers, 2004.
- 2) Supplemental: None

Student Learning Outcomes

Upon successful completion of this course, students will be able to:

- 1) Describe the traditional Japanese garden design principles and techniques.
- 2) Describe the design composition and construction of ponds, waterfalls, water basins, stone gardens and stone walls.
- 3) Describe basic traditional pruning techniques of shrubs and trees.