ENH 105 — Taxonomy & Ecology of Environmental Plant Families (4 units)
Course Description: Classification and identification of introduced and native species used in urban forests, with emphasis on floral and vegetative characteristics of the prominent families of angiosperms and gymnosperms, adaptations to environmental variations in western landscapes, and horticultural classification.
Prerequisite(s): ENH 006; or consent of instructor.
Learning Activities: Lecture 2 hour(s), Laboratory 6 hour(s).
Grade Mode: Letter.
General Education: Science & Engineering (SE); Visual Literacy (VL).

ENH 120 — Management of Container Media (3 units)
Course Description: Principles of soil science and practices related to management of container media are taught, emphasizing appropriate use of soils and amendments, irrigation, and fertilizers. Physical and chemical properties are tested and effects of management on crops are evaluated in the laboratory.
Prerequisite(s): SSC 010 or SSC 100.
Learning Activities: Lecture 2 hour(s), Laboratory 3 hour(s).
Grade Mode: Letter.
General Education: Science & Engineering (SE); Quantitative Literacy (QL); Writing Experience (WE).

ENH 125 — Greenhouse & Nursery Crop Production (5 units)
This version has ended; see updated course, below.
Course Description: Principles and techniques for the production of ornamental greenhouse and nursery crops. Hands-on experience producing greenhouse crops. Optional weekend field trip.
Prerequisite(s): PLS 002 or BIS 002C.
Learning Activities: Lecture 3 hour(s), Discussion 1 hour(s), Laboratory 3 hour(s).
Grade Mode: Letter.
General Education: Science & Engineering (SE); Writing Experience (WE).

ENH 125 — Greenhouse & Nursery Crop Production (5 units)
Course Description: Principles and techniques for the production of ornamental greenhouse and nursery crops. Hands-on experience producing greenhouse crops. Optional weekend field trip.
Prerequisite(s): PLS 002.
Learning Activities: Lecture 3 hour(s), Discussion 1 hour(s), Laboratory 3 hour(s).
Grade Mode: Letter.
General Education: Science & Engineering (SE); Writing Experience (WE).
This course version is effective from, and including: Winter Quarter 2023.

ENH 133 — Woody Plants in the Landscape: Growth, Ecology & Management (4 units)
Course Description: Principles and practices of managing trees and shrubs in the urban landscape and other managed environments. Topics include woody plant form; growth response and adaptation; tree management in relation to soil, moisture, climate; plant problems.
Prerequisite(s): PLS 002 or BIS 002C.
Learning Activities: Lecture 3 hour(s), Laboratory 2 hour(s), Discussion 1 hour(s).
Grade Mode: Letter.
General Education: Science & Engineering (SE).
ENH 150 — Genetics & Plant Conservation: The Biodiversity Crisis (3 units)

Course Description: Conservation of genic diversity, measurement of diversity, threats to diversity and reasons for protection, the process of extinction, distribution of diversity, determination of what to conserve and means of conservation. Examples drawn largely from forest tree species.

Prerequisite(s): BIS 001C; or the equivalent.

Learning Activities: Lecture/Discussion 3 hour(s).

Grade Mode: Letter.

General Education: Science & Engineering (SE); Scientific Literacy (SL).

ENH 160 — Restoration Ecology (4 units)

Course Description: Broad, interdisciplinary approach to effective restoration. Design and implementation of restoration projects based on principles of physiology, population, community, ecosystem and landscape ecology.

Prerequisite(s): SSC 112 C or better or ESP 100 C or better or ESM 144 C or better or PLS 162 C or better or PLS 163 C or better or PLS 130 C or better or PLS 144 C or better or PLS 147 C or better or PLS 160 C or better or ESP 121 C or better or ESP 127 C or better or ESP 155 C or better or EVE 101 C or better or EVE 104 C or better or EVE 117 C or better or EVE 119 C or better or EVE 181 C or better or PLB 117 C or better or ECL 200AN C or better or ECL 200BN C or better; or consent of instructor; or equivalent course in ecology/plant ecology.

Learning Activities: Lecture/Discussion 3 hour(s), Project.

Grade Mode: Letter.

General Education: Science & Engineering (SE); Scientific Literacy (SL).

ENH 160L — Restoration Ecology Laboratory (1 unit)

Course Description: Companion field course to ENH 160. Series of part-day and all day visits to various field sites, involving site evaluations, guest field presentations by local restorationists, and actual restoration activities.

Prerequisite(s): ENH 160 (can be concurrent); consent of instructor.

Learning Activities: Discussion/Laboratory 3 hour(s).

Credit Limitation(s): Not open for credit to students who completed ENH 160 prior to spring 2004.

Grade Mode: Letter.

General Education: Science & Engineering (SE); Scientific Literacy (SL).