HORT 440. Urban Planning and Design. 4 Credits. (1 Lec, 3 Lab) S
Alternate Even Years PREREQUISITE: HORT 331. Focuses on the challenges and opportunities of developing vibrant, sustainable neighborhoods and regions. Topics include city form, street design, sustainable neighborhoods, and urban ecological design. Studio projects focus on neighborhood master planning, brownfields redevelopment, and public infrastructure design.

HORT 447. Advanced Plant Propagation. 3 Credits. (1 Lec, 2 Lab) F
PREREQUISITE: Senior standing. Students will learn specialized sexual and asexual propagation techniques, with an emphasis on the physiological and environmental manipulation of plants associated with in vitro, seed and grafting production. Students will receive extensive tissue culture experience.

HORT 485R. Horticulture Capstone I. 1 Credit. (1 Lec) F
PREREQUISITE: Senior standing, for majors only. First semester of a two-semester project for seniors majoring in Horticulture Science. This capstone course allows students to pursue a contemporary issue or problem in horticulture within a team research project.

HORT 486R. Horticulture Capstone II. 2 Credits. (2 Lec) S
PREREQUISITE: majors only and senior standing. Second semester of a two-semester project for seniors majoring in Horticulture Science. This capstone course allows students to pursue a contemporary issue or problem in horticulture within a team research project.

HORT 490R. Undergraduate Research. 1-4 Credits. (1-4 Ind; 12 cr max) F,S,Su
PREREQUISITE: Junior or Senior standing and approval of instructor. Undergraduate research which may culminate in a research paper, journal article, or undergraduate thesis. Course will address responsible conduct of research.

HORT 491. Special Topics. 1-4 Credits. (1 Ind; 12 cr max) On Demand
PREREQUISITE: Course prerequisites as determined for each offering. Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand.

HORT 492. Independent Study. 1-3 Credits. (1-3 Ind; 6 cr max) F,S,Su
PREREQUISITE: Junior standing, consent of instructor and approval of department head. Directed research and study on an individual basis.

HORT 498. Internship. 2-12 Credits. (2-12 Lec; 12 cr max) F,S,Su
PREREQUISITE: Junior standing, consent of instructor and approval of department head. An individualized assignment arranged with an agency, business, or other organization to provide guided experience in the field.