311 Landscape Design and Management Specifications
Spring. 4(3-2) Interdepartmental with Horticulture. Administered by Horticulture. P: HRT 211 and (HRT 212 or concurrently) Landscape design techniques, spatial organization, plant selection, plant and site interaction. Relationship between design, construction and maintenance. Preparation of planting and maintenance specifications.

332 Advanced Landscape Site Engineering
Fall. 4(2-4) P: LA 231 R: Open to juniors in the Bachelor of Landscape Architecture or approval of school. SA: LA 437 Advanced landscape engineering principles, technology, documents and procedures.

344 Connections of Scale Studio
Fall. 5(2-6) P: LA 243 R: Open to juniors in the Bachelor of Landscape Architecture or approval of school. SA: LA 443 Landscape architectural design and construction connections, regional and international contexts.

368 Zoo Animal Biology and Conservation
Summer. 3(3-0) Interdepartmental with Animal Science and Fisheries and Wildlife and Integrative Biology. Administered by Integrative Biology. P: BS 162 or approval of department RB: Previous work in biology Captive animal biology including illustrated examples of care, behavioral welfare and conservation work.

390 Landscape Architecture Field Studies
Spring. 2 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to undergraduate students in the Bachelor of Landscape Architecture or approval of department. SA: LA 331 Principles and procedures for landscape engineering of grading, drainage, construction materials and methods.

421 Drawing as Knowing
Spring. 4(2-4) RB: Fundamental drawing skills and knowledge of landscape architecture design. R: Open to students in the Bachelor of Landscape Architecture or approval of school. Application of freehand drawing and digital colorization in the design process with an emphasis on urban and landscape subject matter.

447 Juried Design Studio
Fall. 5(2-6) P: LA 345 R: Open to students in the Bachelor of Landscape Architecture or approval of school. SA: LA 445 Complex development projects, variable scale; juried projects; multiple stakeholders.

448 Regional Environmental Design Studio
Spring. 2(0-4) P: LA 447 R: Open to students in the Bachelor of Landscape Architecture or approval of school. Regional environmental planning design applications.

449 Landscape Architecture Design Studio
Fall. 3(0-6) P: LA 448 Self-selected evidence based design studio project.

450 Professional Practice in Landscape Architecture (W)
Fall. 3(2-2) P: Completion of Tier I Writing Requirement R: Open to seniors or graduate students in the Bachelor of Landscape Architecture. Principles and procedures of professional office practice. Organization and management of offices, personnel, and projects. Ethical and legal issues.

489 Seminar in Zoo and Aquarium Science
Fall. Spring. 1(1-0) A student may earn a maximum of 3 credits in all enrollments for this course. Interdepartmental with Community Sustainability and Fisheries and Wildlife and Integrative Biology. Administered by Integrative Biology. R: Approval of department. SA: ZOL 489 Scientific writing and oral presentations related to zoo and aquarium studies.

490 Independent Study
Fall. Spring. 1 to 4 credits. A student may earn a maximum of 7 credits in all enrollments for this course. R: Approval of department. Individual investigation of landscape architecture topics in the interest areas of the Landscape Architecture faculty.

492 Senior Research Seminar (W)
Spring. 3(2-2) P: Completion of Tier I writing requirement. R: Open to seniors or graduate students in the Bachelor of Landscape Architecture. Contemporary issues of relevance to the profession.

494 Special Topics in Landscape Architecture
Fall. Spring. 3(0-3) A student may earn a maximum of 9 credits in all enrollments for this course. R: Open to juniors or seniors or approval of department. Selected subjects in landscape architecture derived from emerging issues and topics.

498 Internship in Zoo and Aquarium Science
Fall, Spring. Summer. 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. Interdepartmental with Fisheries and Wildlife and Integrative Biology. Administered by Integrative Biology. R: Open to juniors or seniors. Approval of department. SA: ZOL 498 Application of zoological experience in a zoo or aquarium setting outside the university.
LA—Landscape Architecture

816 Environmental Design Theory
Fall, 3(3-0) Interdepartmental with Community Sustainability and Horticulture and Interior Design. Administered by Landscape Architecture. RB: Undergraduate design degree recommended.
Differences between normative theories, scientific theories, models, and constructs. Exploration of normative theories related to thesis or practicum.

817 Environmental Design Studio
Fall, Spring, 3(0-6) Interdepartmental with Horticulture. Administered by Landscape Architecture.
Development of a student-selected environmental design project in a collaborative setting.

883 Environmental Design Seminar
Fall, Spring, 3(3-0) Interdepartmental with Human Environment and Design and Horticulture and Park, Recreation and Tourism Resources. Administered by Horticulture.
RB: Undergraduate design degree.
Examination of the breadth of environmental design projects. Literature review of focused projects. Development of practicum or thesis proposals.

898 Master's Thesis Practicum
Fall, Spring, Summer. 1 to 9 credits. A student may earn a maximum of 9 credits in all enrollments for this course. RB: Undergraduate design degree. R: Open to graduate students in the Environmental Design major.
Detailed professional application of a student-selected environmental design project.

899 Master's Thesis Research
Fall, Spring, Summer. 1 to 9 credits. A student may earn a maximum of 9 credits in all enrollments for this course. RB: Undergraduate design degree. R: Open to graduate students in the Environmental Design major.
Preparation and completion of an independent research thesis.