

# LAND - LANDSCAPE ARCHITECTURE (LAND)

## LAND 101 Introduction to Landscape Architectural Practice

**Credit 1. 1 Lecture Hour.** Explores and evaluates the diversity of landscape architectural practice; defines the traditional practice forms and examines evolving and boundary expanding opportunities for future practice; introduces the departmental curriculum and faculty.

## LAND 111 Landscape Architecture Communications I

**Credits 3. 2 Lecture Hours. 4 Lab Hours.** Introduction to basic drafting and drawing required for landscape architecture projects, introduction to basic concepts, principles of graphic composition and pencil sketching techniques.

## LAND 112 Landscape Architectural Communications II

**Credits 3. 2 Lecture Hours. 4 Lab Hours.** Advanced study in traditional and computer-based communication techniques in landscape architecture including studio explorations in concept and analysis graphics, color sketching, perspective drawing and rendering, desktop publishing, image capturing and manipulation, and compilation of graphic presentations; lecture, demonstrations and studio assignments. **Prerequisite:** LAND 111 or approval of instructor.

## LAND 210 Microclimatic Urban Design: Cool Solutions for Hot Cities

**Credits 3. 3 Lecture Hours.** Introduction to methods of designing thermally-comfortable urban microclimates to reduce negative impacts of hot cities on human health and well-being; includes methods of analyzing and illustrating climate data; human thermal comfort modeling; application to urban design and landscape architecture; no previous drawing or design skills necessary.

## LAND 211 Landscape Design I

**Credits 4. 2 Lecture Hours. 7 Lab Hours.** Beginning studio course in land design; forces that produce useable three-dimensional site-space relationships; problems presented to give a basic knowledge, scope and application of landscape architecture design principles. Overnight field trip required. **Prerequisites:** LAND 112; junior or senior classification or approval of instructor.

## LAND 212 Landscape Design II

**Credits 4. 2 Lecture Hours. 7 Lab Hours.** Continuation of LAND 211; basic design principles that combine natural systems (such as landform, water, vegetation, wildlife habitat, soils, climate) and human-built systems (such as roads, building utilities). **Prerequisites:** LAND 211 and LAND 231.

## LAND 231 Landscape Construction I

**Credits 4. 2 Lecture Hours. 4 Lab Hours.** First construction studio course; aspects of site engineering and consideration of earth bound elements in land development; contours, landform, grading design, drainage principles, cut and fill computations, basic hydraulics and hydrology, stormwater management. **Prerequisite:** Junior or senior classification or approval of instructor.

## LAND 232 Landscape Construction II

**Credits 3. 2 Lecture Hours. 4 Lab Hours.** Second construction studio course; essential construction materials and systems applied in landscape development; topics include statics and mechanics of simple structures; properties and procedures of wood, masonry and concrete construction; construction sequencing and material costs; development of a construction document package required. Construction observation field trips required. **Prerequisites:** LAND 211 and LAND 231; junior or senior classification.

## LAND 240 History of Landscape Architecture

**Credits 3. 3 Lecture Hours.** Introduction to history of land use, urban design and planning, and site design from prehistory to the present in Europe, Asia, Africa and Australia; contemporary issues in landscape architecture such as sustainability, ecological design, and professional roles, both historically and at present, with comparisons to American examples. **Prerequisite:** Sophomore classification or higher.

## LAND 241 History and Development of Landscape Architecture in North America

**Credits 3. 3 Lecture Hours.** Interaction between people and the land in North America from first settlement to the present; settlement patterns, sustainable land use, urban design and plan, and site design in context of cultural, social, and technological factors; current issues in landscape architecture, landscape urbanism, and land-use planning.

## LAND 291 Research

**Credits 1 to 4. 1 to 4 Other Hours.** Research conducted under the direction of faculty member in landscape architecture. May be repeated 2 times for credit. **Prerequisites:** Freshman or sophomore classification and approval of instructor.

## LAND 301 Landscape Architecture Theory

**Credits 3. 3 Lecture Hours.** Landscape Architecture. Relevant theoretical discourse in landscape architecture, urban planning and urban design; urban theory, social and cultural theory; critical and creative thinking; ecological planning and design; design process and sustainable development; environmental philosophy and environmental aesthetics. **Prerequisite:** Junior classification or approval of instructor.

## LAND 311 Landscape Design III

**Credits 5. 2 Lecture Hours. 9 Lab Hours.** Design process, sustainable landscape design, synthesis and design refinement; problems to stimulate highly creative self-motivated results, design thinking to integrate behavioral settings into natural and/or built landscape systems. **Prerequisites:** LAND 212 and LAND 232; junior or senior classification.

## LAND 312 Landscape Design IV

**Credits 5. 2 Lecture Hours. 9 Lab Hours.** Continuation of LAND 311; land design projects of increased complexity and emphasis on sustainability, with site scale problems used to demonstrate complete design thought. One or more field trips may be required. **Prerequisite:** LAND 311.

## LAND 331 Landscape Construction III

**Credits 4. 2 Lecture Hours. 4 Lab Hours.** Third construction studio course; sustainable water management techniques in landscape development; theory, principles and techniques of low impact development; construction document preparation, working drawings, project layout and design; theory and principles of irrigation and lighting design. Field trips required. **Prerequisites:** LAND 320 and LAND 330; junior or senior classification.

## LAND 412 Landscape Design VI

**Credits 5. 2 Lecture Hours. 9 Lab Hours.** Capstone studio; advanced study and research designed to go beyond the core design experience; introduction of issues, methodologies, tools and techniques developing in professional practice. **Prerequisite:** LAND 312.

## LAND 431 Professional Practice

**Credits 3. 3 Lecture Hours.** Procedures, management and ethical frameworks in which professional landscape architectural practice occurs; topics include forms of practice, employment, proposal preparation, fee and contract structures, project management, roles of the landscape architect, presentations and public participation, legal and ethical responsibilities. **Prerequisites:** Senior classification; approval of instructor.

## LAND 484 Summer Internship

**Credits 0. 0 Lecture Hours.** Practical experience in an office of design allied professionals; 10 week internship with a minimum of 400 hours; continuous employment; departmental pre-approval through the department internship coordinator required. Must be taken on a satisfactory/unsatisfactory basis. **Prerequisites:** Upper level classification and approval of internship coordinator; LAND 321.

## LAND 485 Directed Studies

**Credits 1 to 6. 1 to 6 Other Hours.** Special problems in various phases of landscape architecture assigned to individual students or to groups. Consultation and assigned collateral reading. **Prerequisite:** Approval of department head.

## LAND 489 Special Topics in...

**Credits 1 to 4. 1 to 4 Other Hours.** Selected topics in an identified field of landscape architecture. May be repeated for credit.

## LAND 491 Research

**Credits 1 to 4. 1 to 4 Other Hours.** Research conducted under the direction of faculty member in landscape architecture. May be repeated 2 times for credit. **Prerequisites:** Junior or senior classification and approval of instructor.

## LAND 494 Internship

**Credits 6. 6 Lecture Hours.** An internship (15 week, 600 hours) with a landscape architecture or landscape architecture-related company that exposes the student to landscape architectural professional practice; monthly reports, final internship portfolio and internship supervisor assessment letter required; distance education course with non-resident status. **Prerequisites:** LAND 321 and approval of coordinator.