

# Landscape Architecture (LA)

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## **LA 172. Environmental Design II. 3 Credits.**

Introduction to design studio, with practice in representational media, techniques and skills exploring drawing, visual abstraction, visual literacy relating to environmental design problem-solving, visual resolution of form and proportion, and graphic communication.

## **LA 191. Seminar. 1-3 Credits.**

## **LA 192. Study Abroad. 1-15 Credits.**

## **LA 194. Individual Study. 1-5 Credits.**

## **LA 199. Special Topics. 1-5 Credits.**

## **LA 231. Digital Media + Methods Technology. 3 Credits.**

Introductory study of digital technology applications and processes within Landscape Architecture. Course focus towards digital creation and production methods including the introduction of common printing and fabrication devices. Prereq: Environmental Design or Architecture major.

## **LA 232. Design Technology. 3 Credits.**

Introductory exploration of digital design media and environmental technology in landscape architecture. Prereq or Co-req: ARCH 271 or LA 271.

## **LA 271. Introduction to Landscape Architecture Studio. 6 Credits.**

Entry-level design generation methods involving concept formation, site inventory and analysis, programming, and simple site organization and planning. Problem solving through graphic, computer-generated, and model development; oral and written communication skills. Prereq: Environmental Design major or minor.

## **LA 291. Seminar. 1-3 Credits.**

## **LA 292. Global Practicum: Study Abroad. 1-15 Credits.**

Pre-Arranged study at accredited foreign institutions (study abroad), domestic institutions (National Student Exchange) or on approved study abroad programs. Pre-requisite: Sophomore standing and prior approval by International Student and Study Abroad Services and major department. Graded 'P' or 'F' (Undergraduate), or 'S' or 'U' (Graduate).

## **LA 294. Individual Study. 1-5 Credits.**

## **LA 299. Special Topics. 1-5 Credits.**

## **LA 321. History of Landscape Architecture. 4 Credits.**

Survey of landscape design from prehistoric civilizations, Rome, the Renaissance, Asian landscapes, the birth of landscape architecture, and contemporary design movements. Emphasis on analyzing historic landscapes as a problem-solving method.

## **LA 331. Graphics III: Design Communication. 3 Credits.**

Advanced exploration into computer applications, technologies, and design techniques as related to landscape architecture. Course emphasis towards proficient digital drafting, graphical representation and presentation strategies. Prereq: LA 232 and Landscape Architecture or Architecture majors only.

## **LA 341. Site Development and Detailing I. 4 Credits.**

Intermediate investigations into site planning and design development with a primary focus on site design integration with the technically-related concepts. Prereq for LA majors: Second-year standing. Prereq for ARCH majors: ARCH 272.

## **LA 342. Site Development and Detailing II. 4 Credits.**

Intermediate-level focus on fundamental site landscape and engineering issues within the construction process. Emphasis on site grading and storm water management. Lecture. Prereq: LA major or minor.

## **LA 371. Site Planning & Design Studio. 6 Credits.**

Visual problem solving and large-scale site planning issues. Two-part focus involving the comprehensive visual inventory and analysis along with the immediate application of site planning and design skills. Studio. Prereq: LA major, LA 272.

## **LA 372. Community Planning & Design Studio. 6 Credits.**

Cultural and environmental design issues as they relate to large-scale land planning and site design involved with residential communities. Emphasis within the studio involves site engineering and design detailing. Course includes a field trip. Prereq: LA major, LA 371.

## **LA 374. Park + Open Space Design Studio. 6 Credits.**

Design and concept development strategies in the context of both urban and rural open space systems, and behavioral configurations. Intermediate problem solving through two and three-dimensional graphics techniques; continued oral and written communication skills. Prereq: Environmental Design major, LA 271.

## **LA 379. Global Seminar. 1-6 Credits.**

NDSU instructed experience or field study in a foreign country. Conducted in English for residence credit. Pre-requisite: Prior approval by International Student and Study Abroad Services and major department. May be repeated. Standard Grading.

**LA 391. Seminar. 1-3 Credits.**

**LA 392. Global Practicum: Study Abroad. 1-15 Credits.**

Pre-Arranged study at accredited foreign institutions (study abroad), domestic institutions (National Student Exchange) or on approved study abroad programs. Pre-requisite: Sophomore standing and prior approval by International Student and Study Abroad Services and major department. Graded 'P' or 'F' (Undergraduate), or 'S' or 'U' (Graduate).

**LA 394. Individual Study. 1-5 Credits.**

**LA 396. Field Experience. 1-15 Credits.**

**LA 399. Special Topics. 1-5 Credits.**

**LA 422. Planting Theory and Practice. 3 Credits.**

Acquired methods advancing plant design with ecological and cultural applications in rural/urban environments. Design principles, visual properties, plant communities, structural and ornamental planting. Current garden themes, styles and construction methods.

**LA 441. Site Development and Detailing III. 4 Credits.**

Advanced exploration into the use of computers and computer-aided design as part of the landscape architecture construction documentation process. Seminar/laboratory. Prereq: LA 372. Coreq: LA 471.

**LA 471. Urban Design Studio. 6 Credits.**

Regional systems inventory, visual survey, analysis techniques, and methodologies for design problem solving through graphic, computer, and modeling development. Focus on urban studies and site planning. Studio. Prereq: LA major, LA 372.

**LA 472. Remediation & Planting Design Studio. 6 Credits.**

Natural resource and land reclamation management techniques as part of contemporary design in landscape architecture. Emphasis on presentation and communication. Capstone course. Course includes a field trip. Prereq: LA major, LA 471.

**LA 491. Seminar. 1-5 Credits.**

**LA 492. Global Practicum: Study Abroad. 1-15 Credits.**

Pre-Arranged study at accredited foreign institutions (study abroad), domestic institutions (National Student Exchange) or on approved study abroad programs. Pre-requisite: Sophomore standing and prior approval by International Student and Study Abroad Services and major department. Graded 'P' or 'F' (Undergraduate), or 'S' or 'U' (Graduate).

**LA 494. Individual Study. 1-5 Credits.**

**LA 496. Field Experience. 1-15 Credits.**

**LA 563. Programming and Thesis Preparation. 3 Credits.**

Discussion and application of a comprehensive design process for production of the design thesis. Emphasis on preparing a design program. Prereq: LA 472.

**LA 571. Environmental Planning Studio. 6 Credits.**

Environmental systems development and implementation of a complex design problem. Emphasis on landscape architecture design development through graphic, computer, and modeling techniques. Studio. Prereq: LA major, LA 472. Coreq: LA 563.

**LA 572. Design Thesis. 8 Credits.**

Capstone opportunity as a culmination of design education. Student generated design topic is fully developed and realized from master planning through design development, detailing, and documentation. Prereq: LA 563, LA 571.

**LA 581. Professional Practice. 3 Credits.**

Study of contemporary architectural practice covering professional development, firm organization, and project management within the context of the ethical, legal, and regulatory environment. Cross-listed with ARCH 681. Prereq: LA 472.

**LA 590. Seminar. 1-5 Credits.**

**LA 593. Individual Study/Tutorial. 1-5 Credits.**

**LA 596. Special Topics. 1-5 Credits.**

**LA 722. Advanced Landscape Planning. 3 Credits.**

Theories and practices facing landscape architects and planners in the design of urban, suburban, and rural landscapes. Seminar/field trip. Prereq: LA major or minor.

**LA 763. Landscape Architecture Thesis Research & Programming. 3 Credits.**

An application of research methodologies and the research required to complete a design thesis in a first professional degree program in Architecture at the graduate level. Completion of a Thesis Proposal and a Thesis Research document in preparation for the Design Thesis Studio to follow.

**LA 771. Performance Based Design Studio. 6 Credits.**

Design of sustainable sites and quality communities with themes that promote the approach of parametric and data driven design in landscape architecture. Strategies, technologies, metrics tools, and practices regarding evaluating site performances will be introduced. Prereq: LA 472, LA 441.

**LA 772. Landscape Architecture Graduate Thesis. 6 Credits.**

Student generated design solution assimilating the theoretical, social, environmental, technical and ethical practices of Landscape Architecture. Advanced exploration into research/analysis, design development and presentation methods as a culmination of graduate education. Prereq: LA 771.

**LA 781. Professional Practice. 3 Credits.**

Study of contemporary landscape architectural practice covering professional development, firm organization, project management, SITES 2.0 within the context of the ethical, legal, sustainable, and regulatory environment. Prereq: LA 472.

**LA 789. Professional Topics in Landscape Architecture. 3 Credits.**

Various topics related to theoretical or methodological aspects of landscape architecture as a professional discipline. May be repeated. Prereq: Students must be Architecture or Landscape Architecture majors only.