LAND - LANDSCAPE ARCHITECTURE

LAND 601 Landscape Architectural Design Foundations

Credits 5. 2 Lecture Hours. 9 Lab Hours. Development of form-making skills and application of landscape materials (i.e., landform, water, vegetation and circulation) at a site-design scale through multiple, individual, hypothetical short design projects/exercises; introduction to basic theories, principles, applications of landscape architectural design with emphasis on context-sensitive design and evidence-based design process, form-making skills and effective communication of design ideas. **Prerequisites:** Graduate classification and approval of instructor.

LAND 602 Cultural and Social Issues in Landscape Architecture

Credits 5. 2 Lecture Hours. 9 Lab Hours. Application of social and cultural concepts to site planning and site design, form and space making using natural and built features, and practical issues including social and political, psychological health and wellness and economic influences on landscape architecture. **Prerequisites:** LAND 601 and LAND 622.

LAND 612 Landscape Architectural Site Engineering and Development

Credits 4. 2 Lecture Hours. 6 Lab Hours. First construction studio course; aspects of site engineering and consideration of earth bound elements in land development; existing landform assessment, contours, landform, grading design, drainage principles, cut and fill computations, basic hydraulics and hydrology, stormwater management, introduction of construction materials. **Prerequisite:** Graduate classification in landscape architecture.

LAND 614 Landscape Architectural Construction

Credits 4. 2 Lecture Hours. 6 Lab Hours. Second construction studio course; sustainable water management techniques in landscape development; theory, principles and techniques of low impact development; basic elements of landscape architectural construction; construction document preparation, working drawings and project layout and design; theory and principles of irrigation; field trips required. **Prerequisite:** LAND 612.

LAND 620 Open Space and Land Use Planning I

Credits 5. 2 Lecture Hours. 9 Lab Hours. Creation of land use planning strategies for large land parcels; site inventory, analysis program formulation and design detailing sequenced into the production of a comprehensive master plan; consideration of issues in sustainability, environmental protection, growth management and resource utilization. **Prerequisite:** LAND 601, LAND 602, and LAND 614.

LAND 621 Open Space and Land Use Planning II

Credits 5. 2 Lecture Hours. 9 Lab Hours. Demonstration of open space problem-solving skills by engaging in and conducting data-driven design through testing theories, the application of evidence-based methods, the cultivation of conceptual thinking, the development of framework planning, site design manipulations, the utilization of geospatial approaches and the integration of advanced technological applications across multiple scales. **Prerequisite:** LAND 620 or approval of instructor.

LAND 622 Landscape Architectural Theory

Credits 3. 3 Lecture Hours. Relevant theoretical discourse in landscape architecture; design theory, social and cultural theory; critical and creative thinking; introduction to theories of ecological planning and design; design process and sustainable development; environmental philosophy and environmental aesthetics. **Prerequisites:** Graduate classification and approval of instructor.

LAND 630 Development of Landscape Architecture

Credits 3. 3 Lecture Hours. Overview of the history of human settlement, land use and landscape architecture outside of North America. **Prerequisite:** Graduate classification.

LAND 632/PLAN 632 Design for Active Living

Credits 3. 3 Lecture Hours. Understanding the forms and characteristics of the built environment and the influence on human behaviors, lifestyles and health; theoretical and empirical insights into the issues of physical activity, obesity and automobile dependency; focus on how changes in the built environment help address these issues. **Prerequisite:** Graduate classification or approval of instructor. **Cross Listing:** PLAN 632/ LAND 632.

LAND 635/PLAN 635 Concepts in Ecological Planning and Design

Credits 3. 3 Lecture Hours. Exploration of ecological concepts and their potential applications in planning and design; introduction to landscape architects' role as the steward of the earth; reinforcement of knowledge of nature and ecosystem; introduction to pioneering topics in the field of ecology; comprehensive explanations through reading materials, in-class discussions, and writing assignments; insights into real-world ecological planning and design endeavors via case studies and field trips. **Prerequisites:** Graduate classification. **Cross Listing:** PLAN 635/ LAND 635.

LAND 640 Research Methods in Landscape Architecture

Credits 3. 3 Lecture Hours. Research methods including theory, hypothesis formulation, design, data collection, measurement and report writing; equation of research activity to landscape architecture and the interaction between people and their physical environment; preparation for the integration of research in final study in landscape architecture. **Prerequisite:** Graduate classification in landscape architecture.

LAND 645 Practice Diversity in Landscape Architecture

Credits 3. 3 Lecture Hours. An exploration of the diversity of practice opportunities within the profession of Landscape Architecture; individual roles within those areas of practice and the skills required to function successfully within them. **Prerequisites:** Graduate classification and approval of instructor.

LAND 646 Professional Practice

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

LAND 655 Landscape Architectural Graphic Communication

Credits 3. 2 Lecture Hours. 4 Lab Hours. Graphic communication techniques required to expand landscape architectural concepts and designs including plan graphics, section graphics, perspective drawings, sketch composition, rendering media, color scanning, use of software and desktop. **Prerequisites:** Graduate classification in landscape architecture.

LAND 681 Seminar

Credit 1. 1 Other Hour. Preparation for career fair, the logistics for the required summer internships (10 weeks), guidance for the selection of the final study in landscape architecture topic and chair, and instruction in completing the degree plan. **Prerequisites:** Graduate classification in landscape architecture.

LAND 684 Professional Internship

Credits 0 to 8. 0 to 8 Other Hours. Internship (10 weeks duration) with a landscape architect or landscape architecture-related company with exposure to landscape architectural professional practice. Must be taken on a satisfactory/unsatisfactory basis. **Prerequisites:** Completion of the advanced year in the Master of Landscape Architecture program.

LAND 685 Directed Studies

Credits 1 to 6. 1 to 6 Other Hours. Advanced study in an individual landscape architecture course with a selected faculty member; focus on a topic mutually derived by the student and faculty member; requires the production of a professional response solution. **Prerequisite:** Approval of faculty.

LAND 689 Special Topics in...

Credits 1 to 4. 1 to 4 Lecture Hours. Selected topics in an identified area of landscape architecture. May be repeated for credit. **Prerequisite:** Approval of instructor.

LAND 691 Research

Credits 1 to 23. 1 to 23 Other Hours. Research for and preparation of dissertation. **Prerequisite:** Doctoral classification.

LAND 693 Professional Study

Credits 1 to 23. 1 to 23 Other Hours. Terminal studio to be taken by the qualified master of landscape architecture candidate; requires preparation of a proposal describing the topic, an outlined method, procedures and timeline to be submitted to committee; approved and completed study requires a defense and separate public presentation. **Prerequisite:** Approval of landscape architecture faculty.