Any experimental courses offered by L A can be found at:
registrar.iastate.edu/faculty-staff/courses/explistings/ (http://www.registrar.iastate.edu/faculty-staff/courses/explistings)

Courses primarily for undergraduates:

L A 171: City Play!
(3-0) Cr. 3.
Exploration of play in cities. Introduction to two important concepts:
how play has become a central theme in the economic development and
sustainability of cities around the world; and, how the design of cities
needs to make room for equitable access to play for everyone.
Meets U.S. Diversity Requirement

L A 201: Studio: Landscape Interpretation and Representation
(0-12) Cr. 6. F.
Prereq: Enrollment in the professional program
Reading and representing varied landscapes; development of aesthetic
sensitivity to the geomorphology, vegetation, and cultural influences on
these landscapes. Small-scale interventions and exploration of landscape
phenomena and change. Emphasis on a variety of documentation and
drawing techniques.

L A 202: Studio: Site Design I
(0-12) Cr. 6. S.
Prereq: L A 201
Fundamental issues of landscape planning and design at a site
scale. Projects introduce a variety of (objective and subjective) site
inquiry methods, space and place making, and sensitive integration of
architecture and landscape for specific land uses. User needs, precedent
study, programming, site engineering, planting design, and outdoor
space design expressed through a variety of three-dimensional modeling,
graphic, and written media.

L A 211: Digital Design Methods for Landscape Architecture
(3-0) Cr. 3. S.
Introduction of computer applications and standards used by landscape
architects and other design professions and their place in a replicable
work flow. Foundational knowledge and basic skills in a range of
industry-standard 2D, 3D, and 4D computer applications used for design
development and communication.

L A 221: Native Plants of the Savanna Ecotone
(2-3) Cr. 3. F.
Prereq: Enrollment in the professional program
Observation and study of the wetland, prairie, and woodland vegetation
native to the savanna ecotone. Emphasis on plant communities, their
distribution, structure, habitat and aesthetics. Plant identification and
use in landscape design. Precedent and case studies of vegetation
preservation, restoration and use in built works.

L A 222: Introduced Plants of the Midwest
(2-3) Cr. 3. S.
Prereq: L A 221
Identification, observation, and study of plants introduced to cultivation
in the Midwest region. Plant cultural requirements, including adaptations
to climate changes, solar exposure, and soil conditions. Investigation of
history of plant introduction and use in designed landscape, including
consequent impacts of plant introduction such as plant invasion.
Introduction to planting design at the site scale, including matching plant
cultural requirements to site conditions, functional uses of plants and
expressive composition using plant form, texture and color.

L A 241: Developing Identity as a Landscape Architect
(1-0) Cr. 1. F.
Prereq: Enrollment in the professional program
Development of life skills for conflict resolution, effective interpersonal
communication, and CPR/First Aid. Examination of personal values as
they relate to the backgrounds, abilities, attitudes, and values of others;
exploration of how these influence personal decision-making and group
interaction. Reading, discussion, class activities, journal-keeping, writing.
Offered on a satisfactory-fail basis only.

L A 270: Foundations in Natural Resource Policy and History
(Cross-listed with ENV S, NREM). (3-0) Cr. 3. F.
The development of natural resource conservation philosophy and policy
from the Colonial Era to the present. North American wildlife, forestry, and
environmental policy; national parks and other protected lands; federal
and state agencies. Relationship to cultural contexts, including urban
reform and American planning movement. Discussion of common pool
resources, public and private lands.

L A 272: Cultural Landscape Studies
(3-0) Cr. 3. F.
Prereq: Enrollment in the professional program
Exploration of landscapes, from broad settlement patterns to individual
sites. Investigation of relationships between vernacular and designed
landscapes. Landscapes considered as modes of cultural production
that shape and are shaped by social, political, and economic processes.
Lectures, reading, field studies, and writing.
Meets U.S. Diversity Requirement
L A 274: The Social and Behavioral Landscape
(3-0) Cr. 3. S.
Exploration of social and behavioral factors pertinent to design of the domestic, civic, and commercial landscape. Focus on working familiarity with design principles as they relate to the behavior and activities of people across a broad demographic and cultural spectrum; application of these principles to design of outdoor environments. Lectures and discussions, including group exercises and field trips.
Meets U.S. Diversity Requirement

L A 281: Investigating Landscape Form, Process, and Detail
(1-6) Cr. 3. F.
Prereq: Enrollment in professional program
Exploration of the poetics and principles of landscape construction. Investigation and interpretation of landform and geomorphic processes such as the hydrologic cycle, erosion, and sedimentation. Close observation and representation of detail design, with an emphasis on material types, their connections, and weathering. Readings, field studies, and drawings in analog and digital media.

L A 282: Landscape Dynamics
(2-2) Cr. 3. S.
Prereq: Sophomore standing
Understand design implications presented by geotechnical and ecological processes in the landscape including ecology, vegetation, soils and water. Understand the influence of landforms, geology, plants, soils, and water on the creation of landscape designs. Course relates current issues including water quality impairment, erosion, and invasive species with design strategies such as stormwater management, soil quality management, and plant community restoration. Field trips.

L A 301: Site Design II
(0-12) Cr. 6. F.
Prereq: L A 202
Development of half-acre to hundred-acre landscape design and planning proposals, potentially in collaboration with students in other programs. Apply critical methodological frameworks to shape site systems while providing appropriate support for diverse user groups and creating culturally meaningful places. Assess and interpret a program of use, organize subjective and objective site inventory and analysis, develop functional and poetic design strategies for infrastructure and natural systems, and craft artistic and functionally explicit landscape architectural proposals. Development of appropriate technique and high level of craft in representations to support design thinking process and final scheme presentation.

L A 302: Ecological Design at the Regional Scale
(0-12) Cr. 6. S.
Prereq: L A 282, L A 301, L A 381 and NREM 120
Application of ecological theories and processes in design and planning at the hundred plus-acre scale specifically focusing on urban and urban fringe landscapes. Apply advanced landscape analysis of soil, water, and vegetation utilizing geographic information systems. Particular focus on stream and wetland restoration, mitigation, and regulations and developing design representations for public use.

L A 309: Field Travel
Cr. 1. Repeatable, maximum of 2 times. F.S.S.S.
Prereq: Enrollment in the professional program and permission of instructor
Observation of and reflection on professional practice and landscapes in urban, rural, and wilderness areas. Offered on a satisfactory-fail basis only.

L A 322: Fundamentals of Planting Design
(2-3) Cr. 3.
Prereq: L A 221
The art and techniques of creating plant compositions in the landscape that respond to cultural and biophysical contexts. Investigation of soil properties and plant/soil relationships relevant to the built environment. Methods of site inventory and analysis, developing plant palettes and composing plant assemblages that address expressive and functional needs. Introduction to the techniques of preparing planting plans, including standards for plant selection, plant lists and plant specification.

L A 341: Contemporary Landscape Architecture
(1-0) Cr. 1. S.
Prereq: L A 301
Exploration of contemporary landscape architectural practice through individualized research into practicing firms. Preparation of paper and presentation outlining broad framework and specific parameters of a selected area of contemporary practice using specific projects as examples. Work may result in invitation of current practitioner(s) as a lecture series or event. Resume and portfolio preparation in advance of required off-campus semester (L A 444 A, B or C).

L A 371: History of Modern Landscapes, 1750 to Present
(3-0) Cr. 3. S.
Investigation of landscape design concepts and trends as observed over time, from approximately 1750 to the present, with emphasis on the United States and Europe. Examination of significant figures and outstanding works (sites, gardens, landscapes, monuments, subdivisions, city plans, etc.) of varied geographic regions. Analysis of the social, economic, political, and technical forces contributing to the development of landscape design styles, vocabulary, and literature. Lectures, readings, projects, research papers.
L A 373: Gardens and Landscapes from Antiquity to 1750
(3-0) Cr. 3. F.
Investigation of international landscape design concepts and trends as observed over time, from pre-history to the mid 18th century. Examination of significant figures and outstanding works (sites, gardens, landscapes, monuments, subdivisions, city plans, etc.) of varied geographic regions. Analysis of the social, economic, political, and technical forces contributing to the development of landscape design styles, vocabulary, and literature. Lectures, readings, projects, research papers. Meets International Perspectives Requirement.

L A 381: Shaping the Land
(3-0) Cr. 3. F.
Prereq: L A 282 and MATH 143 or MATH 145
Design of landforms to achieve aesthetic, functional, and safety goals. Landform changes to accommodate human uses and activities. Impacts and implications of landform transformation on the surrounding environment. Surface and subsurface drainage design, storm water runoff best management practices, contour manipulation to incorporate slopes, swales, culverts, pads, retaining walls, walks, steps, terraces, buildings, and other structures in the landscape. Road layout and alignment, parking lot design, and earthwork volume estimates. Design communication using CAD, perspectives, cross-sections, contour maps, landform models, and narratives. Class exercises, case study precedents, and preliminary construction documents.

L A 401: Community Design
(0-12) Cr. 6. F.
Prereq: L A 402
Physical planning and design of places utilizing community-based methods. Projects address social and cultural dimensions of placemaking such as reuse of abandoned sites, in-fill development, and community visioning. Emphasis on development of user-client relationship skills and design research. Integrated seminar component.

L A 401H: Community Design: Honors
(0-12) Cr. 7. F.
Prereq: L A 402, permission of thesis advisor, enrollment in Honors program
Preparation for senior thesis.

L A 402: Urban Design
(0-12) Cr. 6. F.
Prereq: L A 302
Comprehensive planning and design for urban sites or for sites within urban contexts. Projects typically include planning for a variety of integrated land uses, and cover the full range of design scales from master planning to proposals for site details. Emphasis on written and verbal as well as graphic communications. Integrated seminar component.

L A 402H: Urban Design: Honors
(0-12) Cr. 7. F.
Prereq: L A 302
Comprehensive planning and design for urban sites or for sites within urban contexts. Projects typically include planning for a variety of integrated land uses, and cover the full range of design scales from master planning to proposals for site details. Emphasis on written and verbal as well as graphic communications. Integrated seminar component.

L A 403H: Senior Thesis Preparation Tutorial
Cr. 2. F.
Prereq: L A 402, permission of thesis advisor, enrollment in Honors program
Preparation for senior thesis.

L A 404: Advanced Landscape Architectural Design
(0-12) Cr. 6. Repeatable, maximum of 2 times. S.
Prereq: L A 401
Advanced forum for the demonstration of sophistication in landscape architectural design. Experimentation and innovation are encouraged.

L A 404H: Advanced Landscape Architectural Design: Honors
(0-12) Cr. 6-7. Repeatable, maximum of 2 times. S.
Prereq: L A 401
Advanced forum for the demonstration of sophistication in landscape architectural design. Experimentation and innovation are encouraged.

L A 405H: Senior Thesis
(0-15) Cr. 6. S.
Prereq: L A 401, L A 402, L A 403, enrollment in Honors program and permission of adviser, chair and thesis adviser
Individual advanced forum for the demonstration of sophistication in landscape architectural design. Experimentation and innovation are expected.
L A 417: Urban and Peri-urban Watershed Assessment
(Dual-listed with L A 517). (Cross-listed with ENV S). (2-3) Cr. 3. F.
Prereq: Junior classification and 6 credits of natural science
Assessment and reduction of impacts in urban and peri-urban watershed areas. Course prepares students to work with various analysis methods for vegetation, topography, stormwater and stream condition as well as work with data from other disciplines. Emphasis on communicating with the public. Introductory GIS and GPS technologies are utilized. Learning is largely field-based.

L A 442: Professional Practice
(Dual-listed with L A 542). (2-0) Cr. 2. S.
Prereq: L A 481
Studies of conventional and developing forms of public and private practice. Explore relationships between professional life and the culture of the professional design firm; investigate firm identities and structures; understand design projects, their delivery process, and contractual agreements. Lecture and class discussion.

L A 444: Landscape Architecture Independent Educational Enrichment
Cr. R. Repeatable, maximum of 3 times. F.S.S.
Prereq: L A 341 or permission of adviser and chair
Independent educational enrichment through exploration of landscape architectural practice in a professional internship, international studies, or out-of-region national study experience.

L A 444A: Landscape Architecture Independent Educational Enrichment:
Professional Internship
Cr. R. Repeatable, maximum of 3 times. F.S.S.
Prereq: L A 341 or permission of adviser and chair
Independent educational enrichment through exploration of landscape architectural practice in a professional internship, international studies, or out-of-region national study experience.

L A 444B: Landscape Architecture Independent Educational Enrichment:
Study Abroad
Cr. R. Repeatable, maximum of 3 times. F.S.S.
Prereq: L A 341 or permission of adviser and chair
Independent educational enrichment through exploration of landscape architectural practice in a professional internship, international studies, or out-of-region national study experience.

L A 444C: Landscape Architecture Independent Educational Enrichment:
National Student Exchange
Cr. R. Repeatable, maximum of 3 times. F.S.S.
Prereq: L A 341 or permission of adviser and chair
Independent educational enrichment through exploration of landscape architectural practice in a professional internship, international studies, or out-of-region national study experience.

L A 454: Fundamentals of Remote Sensing
(Dual-listed with L A 554). (Cross-listed with CRP). (3-0) Cr. 3. F.
Prereq: CRP 351 or equivalent or permission of the instructor
Introduction to remote sensing techniques needed for basic analysis of satellite images, including: filtering and conflation techniques, stacking, pan sharpening, image rectification, image enhancement, unsupervised and supervised classification. Practical applications in a variety of topics to understand how to interpret images.

L A 458: Web Mapping/GIS
(Dual-listed with L A 558). (Cross-listed with CRP). (2-2) Cr. 3.
Prereq: CRP 451/551, LA 302. GEOL 452/552 or instructor permission.
Use and development of online mapping tools to support participatory GIS, Volunteered Geographic Information, information sharing, geodesign and decision making actions. Geoprocessing and Web Scripting/coding and user interface design. Laboratory emphasis practical applications and uses of Web GIS.

L A 459: Digital Design Methods for Landscape Architecture
(Dual-listed with L A 559). (Cross-listed with CRP). (3-0) Cr. 3. S.
Introduction to digital tools used by landscape architects for design communication, visualization, and design development, with emphasis on 3D modeling and workflow interoperability.

L A 461: Introduction to GIS
(Cross-listed with ENSCI, ENV S, IA LL). Cr. 4. SS.
Descriptive and predictive GIS modeling techniques, spatial statistics, and map algebra. Application of GIS modeling techniques to environmental planning and resource management.

L A 478: Topical Studies in Landscape Architecture
(Dual-listed with L A 578). Cr. 2-3. Repeatable, maximum of 3 times.
F.S.S.
Prereq: L A 202 or senior or graduate classification
Offerings vary with each term; check with department for available sections. Course contact hours can range from (2-0) to (3-0) depending on number of credits.

L A 478A: Topical Studies in Landscape Architecture: Landscape Design
(Dual-listed with L A 578A). Cr. 2-3. Repeatable, maximum of 3 times.
F.S.S.
Prereq: L A 202 or senior or graduate classification
Offerings vary with each term; check with department for available sections.
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Prereq: L A 202 or senior or graduate classification
Offerings vary with each term; check with department for available sections.

Prereq: Senior classification or graduate standing
Offerings vary with each term; check with department for available sections. Course contact hours can range from (2-0) to (3-0) depending on number of credits.

Prereq: L A 202 or senior classification or graduate standing
Offerings vary with each term; check with department for available sections.

Prereq: L A 202 or senior classification or graduate standing
Offerings vary with each term; check with department for available sections.

L A 478N: Topical Studies in Landscape Architecture: Natural Resources (Dual-listed with L A 578N). Cr. 2-3. Repeatable, maximum of 3 times. F.S.S.
Prereq: L A 202 or senior classification or graduate standing
Offerings vary with each term; check with department for available sections.
L A 481: Landscape Construction
(3-0) Cr. 3. F.
Prereq: L A 381
Development of construction details with emphasis on materials and their aesthetic and functional uses as building materials. Explore characteristics and uses of construction materials and application of wood systems, paving systems, retaining walls, masonry and concrete systems, and metals; investigate structural theory of wood systems. Preliminary preparation of construction documents.

L A 482: Advanced Landscape Construction
(3-0) Cr. 3. S.
Prereq: L A 481
Advanced site construction issues, including proposal preparation, construction documentation, project scheduling, estimating, and specification writing.

L A 490: Independent Study
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490A: Independent Study: Landscape Design
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490B: Independent Study: Planting Design
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490C: Independent Study: Construction
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490D: Independent Study: History/Theory/Criticism
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490E: Independent Study: Landscape Planning
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490F: Independent Study: Urban Design
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490G: Independent Study: Graphics
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490H: Independent Study: Honors
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490I: Independent Study: Interdisciplinary Studies
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490J: Independent Study: International Studies
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490K: Independent Study: Computer Applications
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490L: Independent Study: Ecological Design
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490M: Independent Study: Social/Behavioral
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 490N: Independent Study: Natural Resources
Cr. 1-6. Repeatable, maximum of 3 times. F.S.S.
Prereq: Written approval of instructor and department chair on required form
Investigation of a topic of special interest to the student.

L A 491: Environmental Law and Planning
(Dual-listed with L A 591). (Cross-listed with C R P, ENV S). (3-0) Cr. 3. S.
Prereq: 6 credits in natural sciences
Environmental law and policy as applied in planning at the local and state levels. Brownfields, environmental justice, water quality, air quality, wetland and floodplain management, and local government involvement in ecological protection through land use planning and other programs.

Courses primarily for graduate students, open to qualified undergraduates:
L A 509: Field Travel
Cr. 1. Repeatable, maximum of 2 times.
Prereq: Enrollment in the professional program and permission of instructor
Observation of and reflection on professional and academic practice and landscapes. Field study and travel to conferences and educational events. Reading and final report. Offered on a satisfactory-fail basis only.

L A 517: Urban and Peri-urban Watershed Assessment
(Dual-listed with L A 417). (2-3) Cr. 3. F.
Prereq: Junior classification and 6 credits of natural science
Assessment and reduction of impacts in urban and peri-urban watershed areas. Course prepares students to work with various analysis methods for vegetation, topography, stormwater and stream condition as well as work with data from other disciplines. Emphasis on communicating with the public. Introductory GIS and GPS technologies are utilized. Learning is largely field-based.

L A 522: Advanced Plant Technology
(2-2) Cr. 3. F.
Prereq: Junior or graduate standing
Introduction to the science that supports green technologies. Plant and soil design for performance in the built environment. Design studies and lab explorations will complement readings, lecture and project case study presentations by practitioners. Green streets, green roofs, biophyto-remediation and other technologies are introduced. Final project integrates scientific and technical knowledge in a holistic landscape design.

L A 541: Design Inquiry
(3-0) Cr. 3. S.
Prereq: Graduate standing
Examination of design inquiry and introduction to research methods relevant to design. Consideration of where knowledge comes from, and how different research methods help create knowledge in various contexts. Readings, discussions, and sketch problems. Preparation of a written research proposal.

L A 542: Professional Practice
(Dual-listed with L A 442). (2-0) Cr. 2. S.
Prereq: L A 481
Studies of conventional and developing forms of public and private practice. Explore relationships between professional life and the culture of the professional design firm; investigate firm identities and structures; understand design projects, their delivery process, and contractual agreements. Lecture and class discussion.

L A 543: Colloquium I: Landscape Architecture Research
(0-1) Cr. 1. S.
Prereq: Graduate standing.
Graduate forum on current research in landscape architecture. Weekly presentations of scholarly and professional work by department faculty. Readings, discussions, and development of student research focus. Offered on a satisfactory-fail basis only.

L A 545: Colloquium II: Interdisciplinary Research
Cr. 1. Repeatable. F.
Prereq: LA 543 or graduate standing.
Student-run graduate forum on current research in landscape architecture and related disciplines. Weekly presentations by invited faculty from the departments across the College of Design, University, and professional guests. Readings, discussions, and writing. Offered on a satisfactory-fail basis only.

L A 554: Fundamentals of Remote Sensing
(Dual-listed with L A 454). (Cross-listed with C R P). (3-0) Cr. 3. F.
Prereq: CRP 351 or equivalent or permission of the instructor
Introduction to remote sensing techniques needed for basic analysis of satellite images, including: filtering and conflation techniques, stacking, pan sharpening, image rectification, image enhancement, unsupervised and supervised classification. Practical applications in a variety of topics to understand how to interpret images.

L A 557: Landscape Parametrics & Design Coding
(3-0) Cr. 3. F.
Prereq: Junior classification
Introduction to parametric landscape design through traditional and visual computer programming of the landscape palette. Geometric parameters for terrain, vegetation, water, weather and lighting effects are modeled and developed algorithmically. Computational thinking, logic and computer graphics interactivity are combined to produce stand-alone software application prototypes that address core landscape design principles.

L A 558: Web Mapping/GIS
(Dual-listed with L A 458). (Cross-listed with C R P). (2-2) Cr. 3.
Prereq: CRP 451/551, LA 302. GEOL 452/552 or instructor permission.
Use and development of online mapping tools to support participatory GIS, volunteered Geographic Information, information sharing, geodesign and decision making actions. Geoprocessing and Web Scripting/coding and user interface design. Laboratory emphasis practical applications and uses of Web GIS.
L A 559: Digital Design Methods for Landscape Architecture  
(Dual-listed with L A 459). (3-0) Cr. 3. S.  
Introduction to digital tools used by landscape architects for design  
communication, visualization, and design development, with emphasis on  
3D modeling and workflow interoperability.

L A 567: Advanced GIS Landscape Modeling  
(0-6) Cr. 3.  
Prereq: L A 302 or C R P 451/C R P 551  
Application of Geographic Information Systems (GIS) modeling  
techniques to landscape planning and management issues. Selection,  
acquisition, and conversion of digital landscape data. Modeling  
applications for studio projects, outreach projects, and research projects.

L A 571: Landscape Architectural Theory  
(3-0) Cr. 3. F.  
Prereq: graduate classification or permission of instructor  
Examination of the development of landscape architectural ideas in  
their historical contexts and in relation to social and cultural practices.  
Emphasis on exposure to key modern and contemporary texts and  
projects in landscape architecture, architecture, art, and related fields.  
Readings, discussions, and writings.

L A 578: Topical Studies in Landscape Architecture  
(Dual-listed with L A 478). Cr. 2-3. Repeatable, maximum of 3 times.  
F.S.S.  
Prereq: L A 202 or senior or graduate classification  
Offerings vary with each term; check with department for available  
sections. Course contact hours can range from (2-0) to (3-0) depending  
on number of credits.

L A 578A: Topical Studies in Landscape Architecture: Landscape Design  
(Dual-listed with L A 478A). Cr. 2-3. Repeatable, maximum of 3 times.  
F.S.S.  
Prereq: L A 202 or senior or graduate classification  
Offerings vary with each term; check with department for available  
sections.

L A 578B: Topical Studies in Landscape Architecture: Planting Design  
(Dual-listed with L A 478B). Cr. 2-3. Repeatable, maximum of 3 times.  
F.S.S.  
Prereq: L A 202 or senior or graduate classification  
Offerings vary with each term; check with department for available  
sections.

L A 578C: Topical Studies in Landscape Architecture: Construction  
(Dual-listed with L A 478C). Cr. 2-3. Repeatable, maximum of 3 times.  
F.S.S.  
Prereq: L A 202 or senior or graduate classification  
Offerings vary with each term; check with department for available  
sections.

L A 578D: Topical Studies in Landscape Architecture: History/Theory/  
Criticism  
(Dual-listed with L A 478D). Cr. 2-3. Repeatable, maximum of 3 times.  
F.S.S.  
Prereq: L A 202 or senior or graduate classification  
Offerings vary with each term; check with department for available  
sections.

L A 578E: Topical Studies in Landscape Architecture: Landscape Planning  
(Dual-listed with L A 478E). Cr. 2-3. Repeatable, maximum of 3 times.  
F.S.S.  
Prereq: L A 202 or senior or graduate classification  
Offerings vary with each term; check with department for available  
sections.

L A 578F: Topical Studies in Landscape Architecture: Urban Design  
(Dual-listed with L A 478F). Cr. 2-3. Repeatable, maximum of 3 times.  
F.S.S.  
Prereq: L A 202 or senior or graduate classification  
Offerings vary with each term; check with department for available  
sections.

L A 578G: Topical Studies in Landscape Architecture: Graphics  
(Dual-listed with L A 478G). Cr. 2-3. Repeatable, maximum of 3 times.  
F.S.S.  
Prereq: L A 202 or senior or graduate classification  
Offerings vary with each term; check with department for available  
sections.

L A 578I: Topical Studies in Landscape Architecture: Interdisciplinary  
Studies  
(Dual-listed with L A 478I). Cr. 2-3. Repeatable, maximum of 3 times.  
F.S.S.  
Prereq: L A 202 or senior or graduate classification  
Offerings vary with each term; check with department for available  
sections.
L A 578J: Topical Studies in Landscape Architecture: International Studies
(Dual-listed with L A 478J). Cr. 2-3. Repeatable, maximum of 3 times.
F.S.SS.
Prereq: L A 202 or senior or graduate classification
Offerings vary with each term; check with department for available sections.

L A 578K: Landscape Architecture: Computer Applications
Cr. 2-3. Repeatable. F.S.SS.
Prereq: Senior classification or graduate standing
Offerings vary with each term; check with department for available sections. Course contact hours can range from (2-0) to (3-0) depending on number of credits.

L A 578L: Topical Studies in Landscape Architecture: Ecological Design
(Dual-listed with L A 478L). Cr. 2-3. Repeatable, maximum of 3 times.
F.S.SS.
Prereq: L A 202 or senior classification or graduate standing
Offerings vary with each term; check with department for available sections.

L A 578M: Topical Studies in Landscape Architecture: Landscape Architecture: Social/Behavioral
(Dual-listed with L A 478M). Cr. 2-3. Repeatable, maximum of 3 times.
F.S.SS.
Prereq: L A 202 or senior classification or graduate standing
Offerings vary with each term; check with department for available sections.

L A 578N: Topical Studies in Landscape Architecture: Natural Resources
(Dual-listed with L A 478N). Cr. 2-3. Repeatable, maximum of 3 times.
F.S.SS.
Prereq: L A 202 or senior classification or graduate standing
Offerings vary with each term; check with department for available sections.

L A 580: Thesis, Creative Component Tutorial
Cr. 1-4. Repeatable, maximum of 4 credits. F.S.SS.
Prereq: Permission of major professor
Hands-on participation in a creative or research activity in the student’s area of specialization. Development of a detailed prospectus that defines the thesis or creative component.

L A 583: Landscape TopoGraphics
(3-0) Cr. 3. F.
Prereq: LA 602
Design of landforms to achieve aesthetic, functional, and safety goals. Impacts and implications of landform transformation on the surrounding environment. Design communication using CAD, perspectives, cross-sections, contour maps, landform models, and narratives. Class exercises, case study precedents, and preliminary construction documents.

L A 587: Landscape Structures
(1-4) Cr. 3. S.
Prereq: LA 583
Introduction to construction practices in landscape architecture. Emphasis on the aesthetic and functional components of built environments including materials, assemblies and techniques; integrate the principles of sustainability as they relate to current and emerging construction methods, materials and technologies. Introduction to the preparation of construction documents.

L A 590: Special Topics
Cr. 1-6. Repeatable, maximum of 2 times. F.S.SS.
Prereq: Graduate standing.
Investigation of a topic of special interest to the student.

L A 590A: Special Topics: Landscape Design
Cr. 1-6. Repeatable, maximum of 2 times. F.S.SS.
Prereq: Approval of instructor and Director of Graduate Education on required form
Investigation of a topic of special interest to the student.

L A 590B: Special Topics: Planting Design
Cr. 1-6. Repeatable, maximum of 2 times. F.S.SS.
Prereq: Approval of instructor and Director of Graduate Education on required form
Investigation of a topic of special interest to the student.

L A 590C: Special Topics: Construction
Cr. 1-6. Repeatable, maximum of 2 times. F.S.SS.
Prereq: Approval of instructor and Director of Graduate Education on required form
Investigation of a topic of special interest to the student.

L A 590D: Special Topics: History/Theory/Criticism
Cr. 1-6. Repeatable, maximum of 2 times. F.S.SS.
Prereq: Approval of instructor and Director of Graduate Education on required form
Investigation of a topic of special interest to the student.
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L A 590E: Special Topics: Landscape Planning
Cr. 1-6. Repeatable, maximum of 2 times. F.S.S.
Prereq: Approval of instructor and Director of Graduate Education on required form
Investigation of a topic of special interest to the student.

L A 590F: Special Topics: Urban Design
Cr. 1-6. Repeatable, maximum of 2 times. F.S.S.
Prereq: Approval of instructor and Director of Graduate Education on required form
Investigation of a topic of special interest to the student.

L A 590G: Special Topics: Graphics
Cr. 1-6. Repeatable, maximum of 2 times. F.S.S.
Prereq: Approval of instructor and Director of Graduate Education on required form
Investigation of a topic of special interest to the student.

L A 590I: Special Topics: Interdisciplinary Studies
Cr. 1-6. Repeatable, maximum of 2 times. F.S.S.
Prereq: Approval of instructor and Director of Graduate Education on required form
Investigation of a topic of special interest to the student.

L A 590J: Special Topics: International Studies
Cr. 1-6. Repeatable, maximum of 2 times. F.S.S.
Prereq: Approval of instructor and Director of Graduate Education on required form
Investigation of a topic of special interest to the student.

L A 590K: Special Topics: Computer Applications
Cr. 1-6. Repeatable, maximum of 2 times. F.S.S.
Prereq: Approval of instructor and Director of Graduate Education on required form
Investigation of a topic of special interest to the student.

L A 590L: Special Topics: Ecological Design
Cr. 1-6. Repeatable, maximum of 2 times. F.S.S.
Prereq: Approval of instructor and Director of Graduate Education on required form
Investigation of a topic of special interest to the student.

L A 590M: Special Topics: Social/Behavioral
Cr. 1-6. Repeatable, maximum of 2 times. F.S.S.
Prereq: Approval of instructor and Director of Graduate Education on required form
Investigation of a topic of special interest to the student.

L A 590N: Special Topics: Natural Resources
Cr. 1-6. Repeatable, maximum of 2 times. F.S.S.
Prereq: Approval of instructor and Director of Graduate Education on required form
Investigation of a topic of special interest to the student.

L A 591: Environmental Law and Planning
(Dual-listed with L A 491). (Cross-listed with C R P). (3-0) Cr. 3. S.
Prereq: 6 credits in natural sciences
Environmental law and policy as applied in planning at the local and state levels. Brownfields, environmental justice, water quality, air quality, wetland and floodplain management, and local government involvement in ecological protection through land use planning and other programs.

L A 594: Environmental Justice in Built Environments
(3-0) Cr. 3. S.
Prereq: Graduate standing or senior classification.
Examination of the equitable distribution of environmental burdens and benefits for sustainable and resilient cities. Focus on impact of climate change, social exclusion, and physical isolation on cumulative risk amongst vulnerable populations. Synthesis of recent social and environmental research to develop innovative physical planning and urban design strategies that support healthy behaviors.

L A 599: Creative Component
Cr. 1-8. Repeatable, maximum of 8 credits. F.S.S.
Prereq: Permission of major professor
Comprehensive study and original development of a project selected by the student and approved by the major professor. Completed project must be submitted to and approved by a graduate faculty committee as evidence of mastery of the principles of landscape architecture.

Courses for graduate students:

L A 601: Studio I: Design Representation
(3-0) Cr. 3. F.
Prereq: Graduate standing
Introduction to history, techniques, and conventions of landscape architecture representation. Production of design drawings that facilitate critical thinking, the testing of design ideas, and effective communication. Use of two- and three-dimensional media, both analog and digital.

L A 602: Studio II: Land Form and Plant Scape
(0-12) Cr. 6. S.
Prereq: L A 601
Landscape design integrating knowledge of land patterns, plant ecosystems, and human processes. Project involve landform and plants at varied scale of design. Emphasis on competencies in design based in natural process, human behavior, and representation.
L A 603: Studio III: Performance Landscapes
(0-12) Cr. 6. S.
Prereq: L A 602
Theory and methods of landscape design at a variety of scales to achieve desired cultural and biophysical impacts. Development and use of performance metrics drawn from design, humanities, and science. Construction of integrated rhetorical structures of representation and analysis and critical viewpoints to create rigorous design “arguments” and meaningful, just and vibrant environments.

L A 604: Studio IV: City Matters
(0-12) Cr. 6. S.
Prereq: L A 603
Exploration of sociopolitical, ecological, and visual-spatial conditions of the urban environment through design at multiple scales. Focus on urban projects that highlight the complexity of human, ecological, and emerging infrastructural systems. Development of innovative strategies for sustainable, healthy, and just cities. Special attention is paid to new technologies and building material in cities.

L A 605: Studio V: Land Works/Land Digits
(0-12) Cr. 6.
Prereq: L A 604
Landscape design focusing on broadening the representational palette for landscape architectural concepts applied to complex sites at multiple scales. Emphasis on ideation and technical competency through advanced conceptualization, performance metrics, and skills in design research, digital representation, and teamwork.

L A 699: Thesis Research
Cr. 1-8. Repeatable, maximum of 8 credits. F.S.S.
Prereq: Permission of major professor
Advanced and original scholarship in a specialized area. Culminates in a thesis document submitted to and approved by a graduate faculty committee as evidence of mastery of research in landscape architecture.