<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Credit hours</th>
<th>Contact hours</th>
<th>Levels</th>
<th>Schedule types</th>
<th>Department/School</th>
<th>Additional Fees</th>
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</thead>
<tbody>
<tr>
<td>LA 1013</td>
<td>Introduction to Landscape Architecture and Landscape Management</td>
<td>An overview of the field of landscape architecture and landscape management with an emphasis on the application of artistic</td>
<td>3</td>
<td></td>
<td>Undergraduate</td>
<td>Lecture</td>
<td>Hort &amp; Landscape Arch</td>
<td>HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.</td>
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<tr>
<td>LA 2213</td>
<td>Visual Communication I for Landscape Architecture</td>
<td>The practice and application of drafting, freehand sketching, design vocabulary, and design concepts to explore, communicate, and represent built and imagined landscapes. Previously offered as LA 2002.</td>
<td>3</td>
<td>2: Lecture: 2</td>
<td>Undergraduate</td>
<td>Lab, Lecture, Combined lecture and lab</td>
<td>Hort &amp; Landscape Arch</td>
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<tr>
<td>LA 2223</td>
<td>Visual Communication II for Landscape Architecture</td>
<td>Visual journaling and communication. The practice and application of delineation techniques and computer based multimedia for conveying information and conceptual ideas about landscape through the development of understandable graphic presentations. Previously offered as LA 3002.</td>
<td>3</td>
<td>2: Lecture: 2</td>
<td>Undergraduate</td>
<td>Lab, Lecture, Combined lecture and lab</td>
<td>Hort &amp; Landscape Arch</td>
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<tr>
<td>LA 2323</td>
<td>Computer-Aided Design</td>
<td>Introduction to computer operating systems. Principles of electronic drafting and visual communication techniques related to the landscape for two-dimensional and three-dimensional systems. Previously offered as LA 1122.</td>
<td>3</td>
<td>2: Lecture: 2</td>
<td>Undergraduate</td>
<td>Lab, Lecture, Combined lecture and lab</td>
<td>Hort &amp; Landscape Arch</td>
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<tr>
<td>LA 2513</td>
<td>Native American Symbolism in Landscape Design (D)</td>
<td>Study of cultural diversity through Native American symbolism and application of these symbols as design elements relating to functional and aesthetic qualities in landscape design.</td>
<td>3</td>
<td>2: Lecture: 2</td>
<td>Undergraduate</td>
<td>Lab, Lecture, Combined lecture and lab</td>
<td>Hort &amp; Landscape Arch</td>
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<tr>
<td>LA 2523</td>
<td>Garden Design in Harmony with Local Ecology</td>
<td>History, theory, and practice of creating gardens in harmony with local ecology to express aesthetic and cultural values of individuals and societies. Environmental aspects of place related to design form and expression.</td>
<td>3</td>
<td>2: Lecture: 2</td>
<td>Undergraduate</td>
<td>Lab, Lecture, Combined lecture and lab</td>
<td>Hort &amp; Landscape Arch</td>
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<tr>
<td>LA 3010</td>
<td>Internship in Landscape Architecture</td>
<td>Supervised work experience with approved public or private employers in landscape architecture or related fields. May not be substituted for other required courses. Graded on a pass-fail basis. Offered for variable credit, 1-7 credit hours, maximum of 10 credit hours.</td>
<td>1-7</td>
<td>1: Lecture: 1</td>
<td>Undergraduate</td>
<td>Independent Study</td>
<td>Hort &amp; Landscape Arch</td>
<td>HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.</td>
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<td>LA 3112</td>
<td>Landscape Architecture National Survey</td>
<td>Examination and exposure to the state of landscape architecture practice and issues critical to profession. Includes 4- to 6-day out-of-state field trip component to the city hosting the American Society of Landscape Architects National Convention, observation of nationally recognized built works, participation in the convention and networking with professionals from across the country. Includes pre-trip research and post-trip documentation. Required for third-year landscape architecture students.</td>
<td>2</td>
<td></td>
<td>Undergraduate</td>
<td>Lecture</td>
<td>Hort &amp; Landscape Arch</td>
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<td>LA 3315</td>
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LA 3315 Studio I: Principles and Theory of Design
Prerequisites: LA 1013, LA 2223 and concurrent enrollment in LA 2323.
Description: Introduction to basic elements, principles, and theory of design. Exploration of design process, both 2D and 3D form, spatial organization, and temporal nature of landscape. Applied projects in small scale landscape design. Previously offered as LA 3314 and LA 3773.
Credit hours: 5
Contact hours: Lecture: 2 Lab: 9 Contact: 11
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Hort & Landscape Arch
Additional Fees: HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.

LA 3325 Studio 2: Site Design
Prerequisites: LA 3315.
Description: Design process, site inventory and analysis as it relates to physical and social site design. Place making, experiential, behavioral, and environmental considerations among several issues to be examined. Applied projects will focus on residential design, site design and design development. Previously offered as LA 3324 and LA 4013.
Credit hours: 5
Contact hours: Lecture: 2 Lab: 9 Contact: 11
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Hort & Landscape Arch
Additional Fees: HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.

LA 3673 History and Theory of Landscape Architecture (H)
Description: Introduction to the history of the built environment from ancient to contemporary time that has created the styles of historical significance in landscape architecture. Examination of the social, philosophical, cultural, economic, political, and environmental conditions of the built environment within design theory.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Hort & Landscape Arch
General Education and other Course Attributes: Humanities

LA 3682 Professional Practice & Office Procedure
Description: Ethics, office practice and procedure. Contract documents and specifications relating to landscape architecture. Previously offered as HORT 3682.
Credit hours: 2
Contact hours: Lecture: 2 Contact: 2
Levels: Undergraduate
Schedule types: Lecture
Department/School: Hort & Landscape Arch

LA 3884 Architectural Construction 1: Site Grading
Prerequisites: LA 2323 and LA 3884.
Description: Review mechanical drafting and lettering techniques, understanding contours, principles of stormwater runoff, site grading and earthwork calculations, methods of managing stormwater runoff, erosion control, introduction to paving and drainage construction materials, specifications, cost estimating. Computer applications and hand graphics used for projects. Previously offered as LA 3883.
Credit hours: 4
Contact hours: Lecture: 2 Lab: 4 Contact: 6
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Hort & Landscape Arch
Additional Fees: HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.

LA 3894 Landscape Architectural Construction II: Sustainable Applications
Prerequisites: LA 2323 and LA 3884.
Description: Sustainable stormwater management practices, including green roofs, rain gardens, pervious paving, bioretention, bioswales, riparian buffers, infiltration trenches, water conservation, and green streets. Introduction to sustainable materials and their applications. Computer applications and hand graphics used for projects. Previously offered as LA 3893.
Credit hours: 4
Contact hours: Lecture: 2 Lab: 4 Contact: 6
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Hort & Landscape Arch
Additional Fees: HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.

LA 4034 Landscape Planting Design
Prerequisites: LA 3325, and HORT 2613.
Description: Plants in the landscape as aesthetic and functional elements. Environmental enhancement by and for plants. Preparation of planting sketches, plans and specifications. Previously offered as LA 4033.
Credit hours: 4
Contact hours: Lecture: 2 Lab: 4 Contact: 6
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Hort & Landscape Arch
Additional Fees: HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.

LA 4053 International Experience in Landscape Architecture - Asia (I)
Prerequisites: Consent of appropriate faculty member.
Description: Participation in a formal or informal educational experience related to landscape architecture in Asia.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Hort & Landscape Arch
General Education and other Course Attributes: International Dimension
LA 4063 International Experience in Landscape Architecture - Peru (I)
Prerequisites: Consent of appropriate faculty member.
Description: Participation in a formal or informal educational experience related with landscape architecture in Peru.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Hort & Landscape Arch
General Education and other Course Attributes: International Dimension

LA 4112 Landscape Architecture Career Survey
Prerequisites: LA 4415.
Description: Examination and exposure to built works and landscape architecture professional offices with diverse practices and market niches. Targeted networking and career exploration opportunities for students. Includes a 4- to 6-day out-of-state regional field trip component, pre-trip research, and post-trip documentation. Required for fourth-year landscape architecture students.
Credit hours: 2
Contact hours: Contact: 2 Other: 2
Levels: Undergraduate
Schedule types: Independent Study
Department/School: Hort & Landscape Arch

LA 4415 Studio III: Recreation and Open Space Design
Prerequisites: LA 3325, LA 3884.
Description: Recreation and play, the interface of nature, human-kind and land ethic. Applied projects will address structured and nature play, active and passive parks, open space planning, and natural landscapes. Previously offered as LA 4414 and LA 4023.
Credit hours: 5
Contact hours: Lecture: 2 Lab: 9 Contact: 11
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Hort & Landscape Arch
Additional Fees: HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.

LA 4423 Planning and Design for Sustainable Landscapes
Prerequisites: For LA students, LA 3894. For all other students, NREM 3013 or NREM 2013 and SOIL 2124.
Description: Explore the origins of sustainability as a basis for understanding how to improve the planning and design of natural and cultural environments in the practice of landscape architecture.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Hort & Landscape Arch

LA 4425 Studio 4: Landscape Ecology and Design
Prerequisites: LA 4415.
Description: Studio design of medium to large scale landscape architectural projects with emphasis on exploration of aesthetic qualities emerging from the application of ecological design principles, natural systems, and environmental functions. Introduction to individuals who have inspired ecological landscape design and planning.
Credit hours: 5
Contact hours: Lecture: 2 Lab: 9 Contact: 11
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Hort & Landscape Arch
Additional Fees: HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.

LA 4433 Land Use and City Planning
Description: Land use and city planning within the framework of a municipality's comprehensive plan, zoning, and subdivision regulations that affect the development of city form. Origins of land use form as a basis for understanding how to improve the future of urban and suburban form through the practice of landscape architecture.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Hort & Landscape Arch

LA 4453 Principles of Landscape Analysis for Site Design
Prerequisites: LA 2323, LA 3325.
Description: Analysis of landscapes for design and management decision-making using real-world projects integrating computer-aided design (CAD) and geographic information systems (GIS), aerial photography, and global positioning system (GPS) technologies. Applications will be related to landscape architecture and site design.
Credit hours: 3
Contact hours: Lecture: 1 Lab: 4 Contact: 5
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Hort & Landscape Arch
Additional Fees: HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.

LA 4515 Studio 5: Urban Design
Prerequisites: LA 4425, LA 4894.
Description: Contemporary urban issues affecting the design process, site master planning, and multi-disciplinary problem solving. Applied project will address influences on urban design, from regional influences to user behavior. Previously offered as LA 4514 and LA 5024.
Credit hours: 5
Contact hours: Lecture: 2 Lab: 9 Contact: 11
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Hort & Landscape Arch
Additional Fees: HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.
LA 4525 Studio 6: Community Development and Neighborhood Design  
**Prerequisites:** LA 4515.  
**Description:** Exposure to contemporary issues of community development over a range of scales including landscape planning, schematic design, and design development. Projects will address issues at multiple forms and densities. Exploration of professional office dynamics, environments, and community involvement.  
**Credit hours:** 5  
**Contact hours:** Lecture: 2 Lab: 9 Contact: 11  
**Levels:** Undergraduate  
**Schedule types:** Lab, Lecture, Combined lecture and lab  
**Department/School:** Hort & Landscape Arch  
**Additional Fees:** HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.

LA 4573 Recreation Planning  
**Prerequisites:** Consent of instructor.  
**Description:** Theory and methods for small and large scale area planning with emphasis on natural and cultural resources.  
**Credit hours:** 3  
**Contact hours:** Lecture: 2 Lab: 2 Contact: 4  
**Levels:** Undergraduate  
**Schedule types:** Lab, Lecture, Combined lecture and lab  
**Department/School:** Hort & Landscape Arch

LA 4583 Landscape Environmental Planning  
**Prerequisites:** LA 3325.  
**Description:** Development of landscape architectural projects in the context of the National Environmental Policy Act (NEPA) and state and local government environmental regulations affecting planned projects encountered by the landscape architect. Previously offered as LA 4584.  
**Credit hours:** 3  
**Contact hours:** Lecture: 3 Contact: 3  
**Levels:** Undergraduate  
**Schedule types:** Lecture  
**Department/School:** Hort & Landscape Arch

LA 4894 Landscape Architectural Construction 3: Materials and Methods  
**Prerequisites:** LA 2323 and LA 3884.  
**Description:** A capstone course using design techniques, computer skills, construction materials, methods and applications for the landscape industry. Detailed computerized construction drawings of pavement, fences, walls, wood structures, and water features. Comprehensive construction documents using computer drafting, design and calculation applications. Previously offered as LA 4893.  
**Credit hours:** 4  
**Contact hours:** Lecture: 2 Lab: 4 Contact: 6  
**Levels:** Undergraduate  
**Schedule types:** Lab, Lecture, Combined lecture and lab  
**Department/School:** Hort & Landscape Arch  
**Additional Fees:** HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.

LA 4990 Landscape Architecture Special Problems  
**Prerequisites:** Consent of appropriate faculty member.  
**Description:** Landscape architectural related problems. Offered for variable credit, 1-6 credit hours, maximum of 12 credit hours.  
**Credit hours:** 1-6  
**Contact hours:** Contact: 1-6 Other: 1-6  
**Levels:** Undergraduate  
**Schedule types:** Independent Study  
**Department/School:** Hort & Landscape Arch  
**Additional Fees:** HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.

LA 5110 Advanced Special Problems  
**Prerequisites:** Consent of appropriate faculty member.  
**Description:** Specific landscape architectural problems. Offered for variable credit, 1-12 credit hours, maximum of 20 credit hours.  
**Credit hours:** 1-12  
**Contact hours:** Contact: 1-12 Other: 1-12  
**Levels:** Graduate, Undergraduate  
**Schedule types:** Independent Study  
**Department/School:** Hort & Landscape Arch  
**Additional Fees:** HORT/LA Facil, Equip, Lab fee of $12 per credit hour applies.