<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>801.</td>
<td>Trade Union History, Structure, and Administration</td>
<td>History of American unions. Theories of unionism, Unions, and the law of industrial relations.</td>
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<td>809.</td>
<td>Labor Markets</td>
<td>Labor market structures and dynamics. Factors affecting work, wages, and occupational choices.</td>
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<td>811.</td>
<td>Public and Private Employment and Training Programs</td>
<td>Role of public and private employment and training programs in human resource development and utilization.</td>
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<td>813.</td>
<td>Income Maintenance and Health Care Programs</td>
<td>Federal, apprenticeship, state vocational, and private training programs.</td>
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<td>823.</td>
<td>Organizational Behavior in Labor and Industrial Relations</td>
<td>Application of behavioral science knowledge at micro- and macro- levels to enhance individual, group, and organizational functioning.</td>
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<td>825.</td>
<td>Compensation and Benefits Systems</td>
<td>Theory and practice relating organizational characteristics to compensation-system strategy, design, and administration.</td>
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<td>826.</td>
<td>Organizational Development and Planned Change</td>
<td>Application of general systems and organizational behavior theories to the problems of organizational change and development in labor and industrial relations.</td>
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<td>827.</td>
<td>Quality of Work Life</td>
<td>Quality of work life approaches to organizational processes.</td>
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<td>829.</td>
<td>Data Sources in Labor and Industrial Relations</td>
<td>Evaluation, use, and interpretation of data on industrial relations and human resources. Methods of presentation and report writing.</td>
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<td>855.</td>
<td>Labor and Management Relations</td>
<td>Industrial relations in American union and management collective bargaining.</td>
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<td>860.</td>
<td>Negotiation and Conflict Resolution</td>
<td>Negotiation and conflict resolution in employment settings.</td>
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<td>863.</td>
<td>Law of Labor Management Relations</td>
<td>Legal framework for contract negotiations and administration.</td>
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<td>865.</td>
<td>Grievance Administration and Arbitration</td>
<td>Grievance procedure and arbitration as the terminal step in the grievance process under collective bargaining.</td>
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<td>871.</td>
<td>Collective Bargaining</td>
<td>History and current status of collective bargaining policies and practices in public jurisdictions, including federal, state, and local government units.</td>
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</table>
Descriptions—Labor and Industrial Relations

of Courses

240. Applied Design Fundamentals
Spring, 4(2-4) R: Open only to majors in Landscape Architecture, Horticulture, Crop and Soil Sciences, and Urban Planning.
Application of the principles and theory of design in advanced two- and three-dimensional representation.

270. Landscape Design History
Spring, 3(3-0)
History of landscape architecture. Landscape development styles, design forms, and organization.

311. Landscape Design and Management Specifications
Spring, 4(3-2) Interdepartmental with Horticulture, Administered by Horticulture. P: HRT 211; HRT 212 or concurrently.
Landscape design techniques, spatial organization, plant selection, plant and site interaction. Relationship between design, construction and maintenance. Preparation of planting and maintenance specifications.

330. Site Construction: Materials and Methods
Fall, 4(2-4) P: LA 220. R: Open only to majors in Landscape Architecture, Horticulture, Crop and Soil Sciences, and Park and Recreation Resources.
Elements and principles of grading, drainage, construction materials and methods.

331. Site Engineering
Spring, 4(2-4) P: LA 330. R: Open only to majors in Landscape Architecture and Horticulture.
Principles and procedures for landscape engineering of site structures and systems such as road alignment, storm and subsurface drainage. Site utilities.

341. Basic Site Design I
Fall, 4(2-4) P: LA 240. R: Open only to students in Landscape Architecture, Horticulture, Crop and Soil Sciences, and Urban Planning.
Introduction to the design process. Focus on program development, inventory, and analysis.

342. Basic Site Design II
Spring, 5(2-6) P: LA 341. R: Open only to students in Landscape Architecture, Horticulture, Crop and Soil Sciences, and Urban Planning.
Development of design solutions for individual projects at a small scale. Focus on simple design programs and problems of limited complexity.

369. Introduction to Zoo and Aquarium Science
Spring, 3(3-0) Interdepartmental with Park, Recreation and Tourism Resources; Zoology; Fisheries and Wildlife; and Veterinary Medicine. Administered by Zoology. P: (BS 110 or LBS 144 or LBS 148H)
Fundamentals of zoo and aquarium operations including research, interpretation, design, nutrition, captive breeding, conservation, ethics and management.

390. Landscape Architecture Field Studies
Fall, Spring. 2 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to juniors and seniors in Landscape Architecture. Approval of department.
Field observation and analysis of selected professional offices, design and planning projects, natural areas, or places of historic interest. Background familiarization of selected study sites. Evaluation and synthesis of study experiences.

420. Advanced Graphic Communication
Spring, 4(1-6) P: LA 342. R: Open only to majors in Landscape Architecture.
Methods of 3-D visualization in the design process.

437. Design Implementation
Fall, 3(0-6) P: LA 331, LA 480. R: Open only to seniors in the 5th year of the Landscape Architecture major and to seniors in Horticulture.
Development of a complete package of contract documents for a representative site development project, including construction plans, bid documents, and specifications.

439. Golf Course Planning and Design
Fall, 3(3-0) Interdepartmental with Urban Planning. Administered by Urban Planning. P: UP 344 or LA 342. R: Open only to seniors and graduate students in Urban and Regional Planning or Urban and Regional Planning-Urban Studies or Landscape Architecture. History, planning, and design of the golf course as a component of the community. Environmental, regulatory, technical, and financing issues.

443. Community Project Design I
Fall, 3(2-6) P: LA 342. R: Open only to students in Landscape Architecture with an urban design cognate and to students in Urban Planning.
Development of design solutions for medium scale site development projects focusing on moderately complex design programs and problems.

444. Community Project Design II
Spring, 5(2-6) P: LA 443. R: Open only to students in Landscape Architecture.
The community systems planning process. Application of multiple use theory and techniques. Integration of project demands and community infrastructure.

445. Advanced Project Design
Spring, 4(0-8) P: LA 444, LA 480. R: Open only to juniors and seniors in Landscape Architecture.
Application of design theory to complex site development projects in community settings. Interaction of human activities, sites, and end uses. Use of community feedback.

446. Regional Environmental Design
Fall, 3(0-6) P: LA 444 R: Open only to seniors in Landscape Architecture. Approval of department.
Theory and tools in regional environmental design and their application to site facilities, assignment of land use, and management of landscape structure with special emphasis on spatial identity, visual quality, and environmental modeling. Human dimensions to landscape change.

LANDSCAPE ARCHITECTURE

Department of Geography
College of Social Science

200. Introduction to Landscape Architecture
Fall, 3(3-0)
Environmental issues and problem-solving strategies within landscape architecture.

220. Graphic Communication
Fall, 4(2-4) R: Open only to students in Landscape Architecture, Urban and Regional Planning, and Horticulture.
Fundamentals of graphics including freehand and technical drafting, lettering, sketching, perspective drawing, and delineation and rendering. Principles of design and field drawing techniques. Also introduced: plan, section, elevation and basic symbols, references, methods of presentation and graphic reproduction.