

Descriptions — Labor and Industrial Relations Courses

55. Labor and Management Relations
Spring. 2(2-0) Interdepartmental with Management. Administered by Management.
P: Open only to students in the Advanced Management Program.

Industrial relations in American union and management collective bargaining. Compensation issues. Grievance concepts and arbitration. Dispute resolution.

58. Collective Bargaining
Fall, Summer. 3(3-0)

P: Open only to students in the School of Labor and Industrial Relations.
 Theory and practice of collective bargaining. Wages, benefits, seniority, grievances, arbitration, and labor-management committees. Legal, economic, technological, and historical contexts.

60. Negotiation and Conflict Resolution
Spring. 3(3-0)

P: LIR 824 or LIR 858. R: Open only to students in the School of Labor and Industrial Relations.
 Negotiation and conflict resolution in employment settings. Use of experiential simulations to develop bargaining styles and interpersonal process skills.

63. Law of Labor Management Relations
Fall, Spring. 3(3-0)

P: Open only to students in the School of Labor and Industrial Relations.
 Legal framework for contract negotiations and administration. National Labor Relations Act as amended. Right to organize and undertake concerted activity. Strikes and lockouts. Unfair labor practices.

65. Grievance Administration and Arbitration
Spring. 3(3-0)

P: LIR 858 or LIR 863. R: Open only to students in the School of Labor and Industrial Relations.
 Grievance procedure and arbitration as the terminal step in the grievance process under collective bargaining. Grievance procedures in non-union employment settings.

68. Equal Employment Opportunity and Occupational Safety and Health Policy
Spring, Summer. 3(3-0)

P: Open only to students in the School of Labor and Industrial Relations.
 Administrative policies and judicial decisions promoting equal employment opportunity. Analysis and review of governmental policies protecting workers from unsafe working conditions. Implications for employers and unions.

71. Collective Bargaining in Public Employment
Fall. 3(3-0)

P: LIR 858 or LIR 863. R: Open only to students in the School of Labor and Industrial Relations.
 History and current status of collective bargaining policies and practices in public jurisdictions, including federal, state, and local government units.

89. Readings in Labor Relations and Human Resources

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
P: 15 credits in LIR. R: Open only to students in the School of Labor and Industrial Relations.
 Individual readings under faculty guidance.

891. Special Topics in Labor Relations and Human Resources

Fall. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Open only to students in the School of Labor and Industrial Relations.
 Special topics in collective bargaining, human resources, employment, and training.

899. Master's Thesis Research

Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
P: 9 graduate credits. R: Open only to students in the School of Labor and Industrial Relations.

934. Survey Methods in Labor and Industrial Relations

Spring of even-numbered years. 3(3-0)
R: Open only to students in the School of Labor and Industrial Relations.
 Design and conduct of data collection operations in labor and industrial relations. Sample design and sampling procedures. Design of questionnaires and interview schedules. Data editing, coding, and analysis.

992A. Seminar in Organizational Behavior and Human Resources

Fall of odd-numbered years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
P: LIR 823 and LIR 824. R: Open only to students in the School of Labor and Industrial Relations.
 Research and policy analysis of selected topics in organizational behavior and human resources in labor and industrial relations.

992B. Seminar in Collective Bargaining and Labor Unions

Spring of odd-numbered years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
P: LIR 801 and LIR 858. R: Open only to students in the School of Labor and Industrial Relations.
 Research and policy analysis of selected topics in collective bargaining and labor unions.

LANDSCAPE ARCHITECTURE

LA

**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.
 Freehand and mechanical drafting and lettering, sketching, and perspective drawing. Graphic symbols and diagrams. Delineation and rendering media and techniques. Presentation and graphic reproduction methods.

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(2-4) 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. Cost estimation.

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. 4(2-4)

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.

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.

401. Environmental Land-Planning Theory
Fall. 3(3-0)

R: Open only to seniors and graduate students.
 Issues and principles of ecology-based land planning. Use of natural resources in development. Assessment of environmental quality. Environmental regulations and policies at local, state, and national levels.

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
Spring. 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 of even-numbered years. 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. 4(2-4)
P: LA 443. 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 (W)**
Spring. 4(2-4)
P: LA 443. R: Open only to students in Landscape Architecture. Completion of Tier I writing requirement. 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.
- 473. Urban Design Theory**
Fall. 3(3-0)
R: Not open to freshmen and sophomores.
Concepts and procedures for the organization, design, and development of public and private urban forms and spaces. Focus on American communities.
- 480. Professional Practice (W)**
Spring. 3(2-2)
P: LA 443. R: Open only to seniors and graduate students in Landscape Architecture. Completion of Tier I writing requirement.
Principles and procedures of professional office practice. Organization and management of offices, personnel, and projects. Ethical and legal issues.
- 483. Historic Preservation and Preservation Planning in the U.S.**
Fall. 4(4-0) Interdepartmental with Urban Planning and History of Art. Administered by Urban Planning.
R: Not open to freshmen and sophomores. Approval of department.
History and philosophy of the preservation of buildings, structures, and objects significant to the heritage of this nation. Preservation as a planning tool for local governments.
- 490. Independent Study**
Fall, Spring. 3 to 4 credits. A student may earn a maximum of 7 credits in all enrollments for this course.
R: Open only to students in Landscape Architecture. Approval of department.
Individual investigation of landscape architecture topics in the interest areas of the Landscape Architecture faculty.

- 490H. Honors in Landscape Architecture**
Fall, Spring. 3 to 4 credits. A student may earn a maximum of 7 credits in all enrollments for this course.
R: Open only to Honors College seniors. Approval of department.
Supervised individual investigation of Landscape Architecture topics.
- 492. Senior Research Seminar**
Spring. 3(2-2)
R: Open only to seniors and graduate students in Landscape Architecture.
Contemporary issues of relevance to the profession.
- 493. Internship in Landscape Architecture**
Fall, Spring, Summer. 2 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course.
R: Seniors in Landscape Architecture or approval of department.
Supervised experience in approved public agencies and professional offices.

LARGE ANIMAL CLINICAL SCIENCES LCS

Department of Large Animal Clinical Sciences College of Veterinary Medicine

- 412. Principles of Production Medicine**
Spring. 2(2-0)
R: Open only to juniors and seniors in College of Agriculture and Natural Resources.
Animal health with emphasis on infectious, parasitic and metabolic disease control and prevention. Principles of production medicine.
- 610. Problems in Large Animal Clinical Sciences**
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Advanced clinical training in a problem related to large animal clinical sciences.
- 611. Research Problems in Large Animal Clinical Sciences**
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Open only to graduate-professional students in the College of Veterinary Medicine. Approval of department.
Research related to a large animal specialty
- 612. Problems in Production Medicine**
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
P: LCS 630 or LCS 631; approval of department. R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine.
Production medicine problems of livestock health management. Course offered through a consortium with the universities of Illinois, Florida, California, and Nebraska, and Kansas State University, work to be completed at one of those universities.
- 620. Equine Medicine and Surgery Clerkship**
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
P: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in College of Veterinary Medicine. Not open to students with credit in LCS 650.
Supervised practice in equine medicine and surgery. Diagnosis, prognosis, treatment, and disease prevention.
- 621. Equine Practice Clerkship**
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Completion of semester 5 of the professional veterinary program. Open only to graduate-professional students in College of Veterinary Medicine.
Supervised, off-campus experience in a regular equine veterinary practice. Farm calls. After-hours emergencies. Veterinary practice management.
- 622. Equine Clinical Clerkship II**
Fall, Spring, Summer. 3 credits.
P: LCS 620 or LCS 621. R: Completion of semester 5 of the professional veterinary program. Open only to graduate-professional students in College of Veterinary Medicine. Not open to students with credit in LCS 654.
Advanced general training in equine medicine and surgery.
- 623. Equine Musculoskeletal Diseases Clerkship**
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
P: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in College of Veterinary Medicine. Not open to students with credit in LCS 651.
Techniques and procedures used for the diagnosis and management of equine musculoskeletal diseases. Hospitalized and field cases.
- 624. Equine Theriogenology Clerkship**
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Open only to graduate-professional students in the College of Veterinary Medicine. Not open to students with credit in LCS 644.
Emphasis on diagnostic methods utilized in equine reproduction.
- 625. Equine Herd Health Clerkship**
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
P: LCS 621. R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Not open to students with credit in LCS 666.
Establishing and maintaining equine herd health programs. Reproduction, parasite control, immunization, and diagnostic medicine and surgery in the field.
- 626. Advanced Equine Surgery**
Fall, Spring, Summer. 3 credits.
P: LCS 620 or LCS 621; LCS 622. R: Completion of semester 5 of the professional veterinary program. Open only to graduate-professional students in College of Veterinary Medicine.
Advanced, in-depth training in overall surgical management of equine surgical patients. Emphasis on breeds used for racing or sport.