LABOR AND INDUSTRIAL RELATIONS

854*. Comparative Industrial Relations  
Spring. 3(3-0)  
P: LIR 861 or 858 or 863  
R: graduate students  
Review and analysis of labor relations in different  
nations. Comparison of industrialized market  
economies and industrial relations experience. Analysis  
of selected current comparative industrial relations  
problems.  
QP: LIR 801 OR LIR 858 OR LIR 863  
QA: LIR 854

855*. Collective Bargaining  
Fall,. Summer. 3(3-0)  
R: Open only to graduate students.  
Theory and practice of collective bargaining. Wages,  
benefits, seniority, grievances, arbitration, and  
labormanagement committees. Legal, economic,  
technological, and historical contexts.  
QA: LIR 855

860*. Negotiation and Conflict  
Resolution  
Spring. 3(3-0)  
P: LIR 824 or LIR 858.  
R: Open only to graduate students.  
Negotiation and conflict resolution in employment  
settings. Use of experiential simulations to develop  
bargaining skills and interpersonal process skills.  
QP: LIR 824 OR LIR 858

863*. Law of Labor Management  
Relations  
Fall, Spring. 3(3-0)  
P: Open only to graduate students.  
Legal framework for contract negotiations and administra-  
Right to organize and undertake concerted activity.  
Strikes and lockouts. Unfair labor practices.  
QA: LIR 852

865*. Grievance and Arbitration  
Spring. 3(3-0)  
P: LIR 858 or LIR 863.  
R: Open only to graduate students.  
Grievance procedure and arbitration as the terminal  
step in the grievance process under collective bargaining.  
Grievance procedures in non-union employment settings.  
QP: LIR 858 OR LIR 863  
QA: LIR 856

868*. Equal Employment Opportunity  
and Occupational Safety and  
Health Policy  
Spring, Summer. 3(3-0)  
P: Open only to graduate students.  
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.  
QA: LIR 868

871*. Collective Bargaining in Public  
Employment  
Fall. 3(3-0)  
P: LIR 858 or LIR 863.  
R: Open only to graduate students.  
History and current status of collective bargaining  
policies and practices in public jurisdictions, including  
federal, state, and local government units.  
QP: LIR 858 OR LIR 863  
QA: LIR 841

890*. Readings in Labor Relations and  
Human Resources  
Fall, Spring, Summer. 1 to 6 credits.  
May reenroll for a maximum of 6 credits.  
P: 15 credits in LIR.  
R: Open only to graduate students. Approval of school  
and individual reading under faculty guidance.  
QA: LIR 895

891*. Special Topics in Labor Relations and  
Human Resources  
Fall. 1 to 6 credits. May reenroll for a maximum of 6 credits.  
R: Open only to graduate students.  
Special topics in collective bargaining, human resources,  
employment, and training.  
QA: LIR 891

899*. Master's Thesis Research  
Fall, Spring, Summer. 3 to 6 credits.  
May reenroll for a maximum of 6 credits.  
P: 9 graduate credits.  
R: Open only to graduate students. Approval of school.  
QA: LIR 899

934*. Survey Methods in Labor and  
Industrial Relations  
Spring. 3(3-0)  
P: Open only to graduate students in 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.  
QA: LIR 834

992A*. Seminar in Organizational  
Behavior and Human Resources  
Fall of odd-numbered years. 3(3-0)  
May reenroll for a maximum of 6 credits.  
P: LIR 823 and LIR 824.  
R: Open only to graduate students.  
Research and policy analysis of selected topics in  
organizational behavior and human resources in labor  
and industrial relations.  
QA: LIR 923

LA

200*. Introduction to Landscape  
Architecture  
Fall. 3(3-0)  
Environmental issues and problem-solving strategies  
within landscape architecture.  
QA: LA 100  LA 201

220*. Graphic Communication  
Fall. 4(0-4)  
P: Open only to students in Landscape Architecture,  
Urban Planning, Horticulture, and Interior Design.  
Freehand and mechanical drafting and lettering,  
sketching, and perspective drawing. Graphic symbols  
and diagrams. Delineation and rendering media and  
techniques. Projection and graphic reproduction  
methods.  
QA: LA 120  LA 221

240*. Applied Design Fundamentals  
Spring. 4(2-6)  
P: Open only to seniors 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.  
QA: LA 110  LA 221

270*. Landscape Design History  
Spring. 3(3-0)  
History of landscape architecture. Landscape develop-  
ment styles, design forms, and organization.  
QA: LA 370  LA 471

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, construc-  
tion materials and methods.  
QA: LA 120  ORLA 221  
LA 330

331*. Site Engineering  
Fall. 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.  
QA: LA 293 AND LA 399  
LA 320

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.  
QA: LA 120  LA 240

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.  
QA: LA 240  QA: LA 340  LA 340L

390*. Landscape Architecture Field  
Studies  
Spring. 2 to 4 credits.  
May reenroll for a maximum of 6 credits.  
R: Not open to freshmen and sophomores.  
Approval of department.  
Field observation and analysis of selected professional  
offices, design and planning projects, natural areas,  
or places of historic interest. Background familiariza-  
tion of selected study sites. Evaluation and synthesis  
of study experiences.  
QA: LA 390

401*. Environmental Land-Planning  
Theory  
Fall. 3(3-0)  
P: 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.  
QA: LA 401

420*. Advanced Graphic Communication:  
Spring. 4(2-4)  
P: LA 342.  
R: Open only to majors in Landscape Architecture.  
Methods of 3D visualization in the design process.  
QA: LA 420

437*. Design Implementation  
Spring. 3(3-0)  
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.  
QA: LA 437

Courses with an asterisk (*) have not been approved by the University Committee on Curriculum

E-103
443*. Community Project Design I
Fall, Spring, Summer. 3(-) May reenroll for a maximum of 6 credits. P: Completion of semesters 1-5 of the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none. Principles of production medicine will be developed. QP: LA 340L. QA: LA 342 LA 346.

444*. Community Project Design II
Spring. 4(-) 5(-) P: LA 443. R: Open only to students in Landscape Architecture.

445*. Advanced Project Design
Fall. 400L. QA: LA 342 LA 346. R: Open only to students in Landscape Architecture. Application of design theory to complex site development projects in community settings. Interaction of human activities, sites, and end users. Use of community feedback. QP: LA 444 LA 480 QA: LA 448.

473*. Urban Design Theory
Fall. 3(-) 4(-) 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. QA: LA 403 LA 471.

490*. Professional Practice

490G*. Independent Study
Fall, Spring. 3 to 4 credits. May reenroll for a maximum of 7 credits. 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. QA: LA 490.

490H*. Honors in Landscape Architecture
Fall. 3(-) 4(-) R: Open only to Honors College seniors. Approval of department. Supervised individual investigation of landscape architecture topics. QA: LA 490H.

492*. Senior Research Seminar
Spring. 3(-) 4(-) R: Open only to seniors and graduate students in Landscape Architecture. Contemporary issues of relevance to the profession. QA: LA 482.

493*. Internship in Landscape Architecture
Fall, Spring. Summer. 2 to 4 credits. May reenroll for a maximum of 8 credits. R: Seniors in Landscape Architecture or approval of department. Supervised experience in approved public agencies and professional offices. QA: LA 489.

LARGE ANIMAL CLINICAL SCIENCES

412*. Principles of Production Medicine
Spring. 2(-) 3(-) R: None. Q: None. R: Junior or Senior Agriculture and Natural Resources Agriculture Fundamentals of animal health with special emphasis on infectious, parasitic and metabolic disease control and prevention. Principles of production medicine will be developed. QP: LA 340L QA: LA 342 LA 346.

624*. Equine Thoracology Clerkship
Fall, Spring. Summer. 3(-) May reenroll for a maximum of 6 credits. P: Completion of semesters 1-5 of the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none. Techniques and procedures used in the diagnosis and management of diseases of the respiratory system. QA: LA 404.

625*. Equine Herd Health Clerkship
Fall, Spring. Summer. 3(-) May reenroll for a maximum of 6 credits. P: Completion of semesters 1-5 of the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none. Provide clinical experience with emphasis on diagnostic methods utilized in equine reproduction. QA: LA 482.

630*. Food Animal Medicine and Surgery Clerkship
Fall, Spring. Summer. 3(-) May reenroll for a maximum of 6 credits. P: Completion of semesters 1-5 of the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none. Disease diagnosis and therapy of food animal species in a hospital setting with an emphasis on the disease process as it relates to the herd of origin. QA: LCS 412.

631*. Introductory Food Animal Production Medicine
Fall, Spring. Summer. 3(-) May reenroll for a maximum of 6 credits. P: Completion of semesters 1-5 of the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none. Training related to management of on-farm environment. An epidemiological approach to problem solving involving total herd medicine. QA: LA 482.

632*. Advanced Food Animal Medicine and Surgery Clerkship
Fall, Spring. Summer. 3(-) May reenroll for a maximum of 6 credits. P: Completion of semesters 1-5 and LCS 341. R: College of Veterinary Medicine Veterinary Medicine none. Advanced, supervised food animal medicine and surgery. QA: LA 482.

633*. Dairy Production Medicine Clerkship
Fall, Spring. Summer. 3(-) May reenroll for a maximum of 6 credits. P: Completion of semesters 1-5 and LCS 341. R: College of Veterinary Medicine Veterinary Medicine none. Dairy farm and herd health management. Records keeping, general management, housing, nutrition and mastitis control will be emphasized. QA: LA 482.

634*. Swine Production Medicine Clerkship
Fall, Spring. Summer. 3(-) May reenroll for a maximum of 6 credits. P: Completion of semesters 1-5 and LCS 341. R: College of Veterinary Medicine Veterinary Medicine none. Swine diseases and related production problems encountered in swine herd health programs. QA: LA 482.

635*. Large Animal Anesthesia Clerkship
Fall, Spring. Summer. 3(-) May reenroll for a maximum of 6 credits. P: Completion of semesters 1-5 of the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none. Concepts and supervised practice in large animal anesthesiology. QA: LA 482.

642*. Special Problems-Research Clerkship
Fall, Spring. Summer. 2(-) 3(-) R: None. Q: None. R: Junior, Senior, or Year of Year 3 of the College of Veterinary Medicine. R: Year 4 College of Veterinary Medicine Veterinary Medicine none. Research related to a large animal specialty. QA: LA 482.

644*. Theriogenology Clerkship
Spring. 2(-) 3(-) R: Completion of semesters 1-5 of the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none. Provide hands-on clinical experience with diagnostic methods utilized in large animal reproduction. QA: LA 482.