

## Descriptions — Labor and Industrial Relations

### of

### Courses

**828. Human Resource Information Systems**  
Spring, 4(4-0) LIR 824.

Human resource and labor relations information systems; information requirements for human resource decisions, methods of appraising available software, role of personnel specialists in database development and operation.

**832. Data Sources in Labor and Industrial Relations**

Fall, Winter, Summer. 3(3-0) One undergraduate statistics course and approval of school.

Review evaluation and utilization of published data on labor and industrial relations. Methods of presentation, report writing. Index numbers, time series decomposition.

**834. Survey Methods in Labor and Industrial Relations**

Fall, Summer. 3(3-0) One undergraduate statistics course and approval of school.

Design and conduct of data collection operations applied to labor and industrial relations. Sample design and sampling procedures. Design of questionnaires and interview schedules. Field operations. Data editing and coding.

**841. Collective Bargaining in Public Employment**

Spring, Summer. 4(4-0) LIR 858, LIR 863, or approval of school.

History and current status of collective bargaining practices and governmental policies in the public sector.

**854. Comparative Industrial Relations Systems**

Spring, 4(4-0) LIR 801, LIR 858, LIR 863, or approval of school.

Comparative analysis of industrial relations systems of countries in various stages of economic development.

**857A. Labor Economics I**

Fall. 3(3-0) EC 324, EC 326 or approval of school. Interdepartmental with and administered by the Department of Economics.

Labor supply; labor demand; job search and job matching; labor mobility and migration; effects of government policies on labor markets.

**858. Collective Bargaining**

Fall, Winter, Spring. 3(3-0) EC 305, or approval of department. Open to graduate students in economics and related fields such as labor and industrial relations, psychology, sociology, anthropology, political science, business, and history. Interdepartmental with the Department of Economics.

Problems and issues in the administration and negotiation of collective bargaining agreements; includes both economic and noneconomic aspects of industrial relations policies and practices.

**863. Law of Labor-Management Relations**

Fall, Winter, Spring. 4(4-0) Approval of school.

The National Labor Relations Act as amended: rights to organize and undertake concerted activity; legal framework of contract negotiations; representation of bargaining unit members; union member rights; proposed statutory changes.

**865. Grievance Administration and Arbitration**

Winter, Spring. 4(4-0) LIR 858, LIR 863 or approval of school.

Grievance procedure and arbitration as the terminal step in the grievance process. Analysis of industrial common law.

**868. Equal Employment Opportunity and Occupational Safety and Health Policy**

Spring, Summer. 4(4-0)

Major emphasis on government policies to promote equal employment opportunity, their scope and impact on collective bargaining. Attention also given to governmental policies to protect workers from substandard working conditions.

**881. Special Topics in Labor and Industrial Relations**

Winter. 2(2-0) to 4(4-0) May reenroll for a maximum of 8 credits. Twelve graduate credits or approval of school.

Intensive analysis of special topics in collective bargaining, employment relations, or human resources.

**895. Readings in Labor and Industrial Relations**

Fall, Winter, Spring, Summer. 2 or 3 credits. May reenroll for a maximum of 6 credits. Twenty credits in labor and industrial relations.

**899. Master's Thesis Research**

Fall, Winter, Spring, Summer. Variable credit. May reenroll for a maximum of 9 credits. Approval of school.

**923. Seminar in Organizational Behavior**

Winter. 4(4-0) May reenroll for a maximum of 8 credits if a different area is taken. Approval of school.

Research and policy on selected problems of organizational behavior in labor and industrial relations.

**958. Seminar in Collective Bargaining and Trade Union Behavior**

Spring. 4(4-0) May reenroll for a maximum of 8 credits if a different area is taken. LIR 858.

Critical study of selected contemporary areas and issues in collective bargaining.

**621. Integrative Clinical Problems**

Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program or approval of department.

Comprehensive problem-solving explorations of selected clinical diseases, either systems or species oriented, in large animals.

**642. Special Problems-Research**

Fall, Winter, Spring, Summer. 2 to 4 credits. May reenroll for a maximum of 8 credits. Completion of 9 terms of professional program, approval of department.

Research related to a large animal specialty.

**644. Theriogenology Clerkship**

Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program, approval of department.

Provide hands-on clinical experience with diagnostic methods utilized in large animal reproduction.

**650. Equine Medicine and Surgery Clerkship**

Fall, Winter, Spring, Summer. 6 credits. Completion of 9 terms of professional program, approval of department.

Concepts and supervised practice in equine medicine and surgery. Emphasis on diagnosis, prognosis, treatment and disease prevention.

**651. Equine Musculoskeletal Diseases**

Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program or approval of department.

Techniques and procedures used for the diagnosis and management of a variety of equine musculoskeletal diseases utilizing hospitalized and field cases.

**654. Advanced Equine Medicine and Surgery**

Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program, LCS 650 or approval of department.

In-depth, supervised equine medicine and surgery.

**656. Large Animal Anesthesiology Clerkship**

Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program, approval of department.

Concepts and supervised practice in large animal anesthesiology.

**660. Field Service/Food Animal Clerkship**

Fall, Winter, Spring, Summer. 9 credits. Completion of 9 terms of professional program, approval of department.

Management of both individual and herd animal disease problems in both a hospital and on-farm environment. Skills in theriogenology. Introduction to principles of herd health management and clinical epidemiology.

**664. Dairy Herd Health Clerkship**

Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program, LCS 660, approval of department.

Dairy farm and herd health management. Record keeping, general management, housing, nutrition, and mastitis control will be emphasized.

## LANDSCAPE ARCHITECTURE

See Geography.

## LARGE ANIMAL CLINICAL SCIENCES

LCS

### College of Veterinary Medicine

**412. Livestock Hygiene and Disease Control**

Spring. 3(3-0) Juniors; Agriculture majors.

Fundamentals of health and disease in animals, relation of infectious and parasitic diseases of animals to human health, disease prevention and role of veterinarian in preventive medicine.

**666. Equine Herd Health Clerkship**  
Winter, Spring, Summer. 3 credits.  
Completion of 9 terms of professional program, approval of department.

Establishing and maintaining herd health programs for equine operations. Reproduction, parasite control, immunization, and diagnostic medicine and surgery in the field.

**668. Swine Herd Health Clerkship**  
Fall, Winter, Spring, Summer. 3 credits. LCS 660, completion of 9 terms of professional program, approval of department.

Swine diseases and related production problems encountered in swine herd health programs.

**672. Advanced Food Animal Clerkship (LSM 672.)** Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program, LCS 660, approval of department.

Advanced, supervised food animal surgery and medicine.

**674. Preceptorial Clerkship**  
Fall, Winter, Spring, Summer. 6 credits. Completion of 9 terms of professional program, approval of department. Students may not receive credit in both V M 610 and LCS 674.

Applied large animal clinical science. Students participate in all activities in assigned private practices tutored by practitioners with adjunct faculty appointments.

**676. Veterinary Nutrition for Livestock**  
Fall, Winter, Spring, Summer. 3 credits. Completion of 9 terms of professional program, approval of department, LCS 660.

Evaluating the nutritional status and rations of livestock.

**809. Problems in Large Animal Surgery**  
Fall, Winter, Spring, Summer. 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.

Elective work in selected surgical research problems compatible with student's interest and ability.

**811. Problems in Large Animal Medicine**  
Fall, Winter, Spring, Summer. 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.

Elective work in selected medicine-related research problems compatible with student's interest and ability.

**813. Seminar**  
Fall, Winter, Spring, Summer. 1 credit.

**825. Fundamental Biomedical Experimental Techniques**  
Fall. 3(2-3) Students enrolled in a graduate degree program, approval of department.

Fundamentals of humane treatment of animals, anesthesia, aseptic techniques, instrumentation, suture materials and patterns, tissue handling and woundhealing for experimental animal research.

**827. Comparative Theriogenology**  
Winter. 3(3-0) V M 580 or approval of department.

Comparative pathophysiology of the reproductive system of domestic animals with emphasis on clinical theriogenology.

**828. Tropical Animal Health and Production**  
Spring of even-numbered years. 3(2-2) ANS 488 or completion of 7 terms of the professional program.

Impact of animal health on livestock production, livestock production systems, human welfare, and socioeconomic development of developing countries, especially in Africa. Epidemiology and control of major diseases such as rinderpest, trypanosomiasis, and other viral epidemics.

**899. Master's Thesis Research**  
Fall, Winter, Spring, Summer. Variable credit. May reenroll for a maximum of 18 credits. Students enrolled in a graduate degree program, approval of department.  
Research on thesis problems.

**901. Investigating the Lung**  
Fall of even-numbered years. 3(3-0) Approval of department. Interdepartmental with the departments of Pathology and Physiology.  
Classic and current concepts of respiratory structure and function in health and disease and mechanisms of lung injury.

**921. Pathology of Nutritional and Metabolic Diseases**  
Spring of odd-numbered years. 4(3-2) ANT 420, ANS 525, BCH 452, HNF 462 recommended. Interdepartmental with Human Nutrition and Foods.  
Development, physiopathology and morphologic pathology of nutritional and metabolic diseases including carbohydrate, protein, fatty acid, vitamin and mineral deficiencies, their experimental induction and their medical or economic significance.

**999. Doctoral Dissertation Research**  
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

## LATIN

See Romance and Classical Languages.

## LINGUISTICS AND GERMANIC, SLAVIC, ASIAN AND AFRICAN LANGUAGES

### College of Arts and Letters

Courses in Chinese and Japanese on the 300 level or higher are normally conducted in the language.

### Linguistics and Oriental and African Language Courses LOA

**299. Special Projects**  
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 12 credits. Approval of department.  
Work in areas outside regular course offerings.

**360. World Literature in English**  
Fall. 3(3-0) Interdepartmental with and administered by the Department of English.  
Representative works, not from England or the United States, which were written originally in English, especially the English literature of present or former British Commonwealth nations, and nations from the Middle East and Africa.

**361. World Literature in English Translation**  
Winter. 3(3-0) Interdepartmental with the Department of English.  
Significant and characteristic works of the Orient, the Middle East, and Africa in English translation.

**362. Genres and Themes in World Literature**  
Spring. 3(3-0) Interdepartmental with and administered by the Department of English.  
Work will center each term around a single literary genre, type or theme. Typical examples: The Quest, Literature of Revolt, Satire. Literary examples will be selected from several national literatures.

**434. Aesthetic Theory and Modernism**  
Fall. 4(4-0) Juniors. Interdepartmental with History of Art, Romance Languages, the departments of English, and Philosophy, and the School of Music. Administered by the Department of Philosophy.  
Problems, assumptions, and arguments of modern aesthetic theory examined in the context of debates over modernity and modernist artistic practice.

**499. Special Projects**  
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 16 credits. Approval of department.  
Work in areas outside regular course offerings.

## African Languages AFR

**101. African Languages—Elementary**  
Fall. 4(4-1) May reenroll for AFR 101-102-103 sequence in more than one African language.  
Comprehension and speaking taught by a linguist with native informants. Offerings include Bemba, Hausa, Ibo, Pidgin, Swahili, Yoruba. These and other African languages are taught upon sufficient demand and availability of instructors.

**102. African Languages—Elementary**  
Winter, 4(4-1) May reenroll for AFR 101-102-103 sequence in more than one African language. AFR 101.  
Continuation of AFR 101.

**103. African Languages—Elementary**  
Spring. 4(4-1) May reenroll for AFR 101-102-103 sequence in more than one African language. AFR 102.  
Continuation of AFR 102.

**201. African Languages—Intermediate**  
Fall. 4(5-0) May reenroll for AFR 201-202-203 sequence in more than one African language. AFR 103 in appropriate language or approval of department.  
Continuation of African Languages—Elementary. Comprehension, speaking, reading and writing taught by a linguist with native informants. See AFR 101 for languages available.