

## Independent, Field, and Foreign Study

### 400A. Independent Study

Fall, Winter, Spring, Summer. 4 to 12 credits. Approval of college.

Study in a selected number of ways on a selected number of topics under the guidance of the student's adviser.

### 400B. Field Study

Fall, Winter, Spring, Summer. 4 to 12 credits. Approval of college.

Study in off-campus situations in a variety of ways using involvement in community service, government, or business as means to cultural insight.

### 400C. Foreign Study

Fall, Winter, Spring, Summer. 4 to 12 credits. Approval of college.

Study abroad in a variety of places under the guidance of an adviser.

### 410. Studies in Composition

Fall, Winter, Spring. 4 to 8 credits. 103A, 103B.

Intensive individual and seminar instruction in advanced composition.

### 499. Senior Seminar

Fall, Winter, Spring. 5(5-0) Seniors.

Study of selected topics of international and cross-cultural significance in small groups. Each student will be expected to approach his topic from at least two disciplinary points of view.

## LABOR AND INDUSTRIAL RELATIONS

LIR

### College of Social Science

#### 801. Labor in Twentieth Century America

Fall, Winter. 4(3-0) EC 305 or approval of school.

Review of the history of American labor and its evolving structure and an analysis of current problems facing unions.

#### 803. Seminar in Industrial Relations

For course description, see Interdisciplinary Courses.

#### 811. Manpower Programs and Institutions

Winter. 4(4-0) EC 457.  
Role and effectiveness of the public employment service, vocational and apprenticeship programs, retraining and vocational rehabilitation activities, etc., as instruments of an active manpower policy.

#### 815. Labor Force Behavior

Spring. 4(4-0) EC 457.  
Theoretical and empirical analysis of factors affecting labor force participation rates, unemployment levels, employment distribution, hours of work, and labor mobility. Concepts and measurement methods.

#### 817. Methods of Program Evaluation

Winter. 4(3-0) Approval of school.  
Principles of benefit-cost analysis, cost-effectiveness analysis, and other methods of evaluation applicable to human resource programs.

#### 823. Organizational Behavior in Labor and Industrial Relations

Fall. 4(4-0) Approval of school. Interdepartmental with the Sociology Department.  
Analysis of why organizations, individuals and groups in unions, management and government act as they do in industrial relations situations with emphasis on sociological, psychological and cultural factors.

#### 824. Employment Relations

Fall, Winter. 4(3-0) Approval of school.

A social system approach to employment relations and employee utilization in private and public organizations.

#### 825. Employee Compensation and Incentives

Spring. 4(3-0) MGT 810 or approval of school.

Theory and practice of payment systems in private and public employment. Compensation and motivation. Job evaluation and performance review. Incentive plans, executive compensation, and fringe benefits.

#### 833. Data Sources and Research Methods in Labor and Industrial Relations

Fall, Winter. 4(3-0) STT 201 or 421.

Review and evaluation of sources and data, analysis of research design and methods used in study of labor and industrial relations.

#### 841. Collective Bargaining in Public Employment

Spring, Summer. 4(3-0) EC 305 or approval of school.

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

#### 854. Comparative Industrial Relations Systems

Winter. 4(3-0) EC 305.  
Comparative analysis of industrial relations systems in countries of various stages of economic development.

#### 865. Grievance Administration and Arbitration

Winter, Spring. 4(3-0) Approval of school.

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

#### 881. Advanced Seminar in Labor and Industrial Relations

Spring. 4(4-0) May re-enroll for a maximum of 8 credits. Twelve graduate credits or approval of school.

Integrative and synthesizing seminar for advanced students; intensive analysis of selected problems in labor and industrial relations.

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

Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 8 credits. Approval of school.

#### 899. Research in Labor and Industrial Relations

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

#### 911. Seminar in Manpower

Fall. 4(3-0) Approval of school.  
Critical study of research and policy on selected manpower problems.

#### 958. Seminar in Collective Bargaining

Spring. 4(3-0) EC 858 or approval of school.

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

## LABORATORY ANIMAL RESOURCES\*

LAR

### College of Veterinary Medicine

#### 824. Laboratory Animal Medicine

(VSM 824.) Fall, Spring. 3(2-3) Completion of ninth-term professional Veterinary Medicine program.

Basic physiologic data, housing requirements, genetics, breeding systems, diseases, humane practices, and nutrition, of major laboratory animal species; administration of animal quarters, techniques of handling and treatment.

## LANDSCAPE ARCHITECTURE

See Urban Planning and Landscape Architecture

## LARGE ANIMAL SURGERY AND MEDICINE\*\*

LSM

### College of Veterinary Medicine

#### 412. Livestock Hygiene and Disease Control

(VSM 412.) Winter. 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.

#### 505. Large Animal Clinic I

Fall, Winter, Spring, Summer. 3(0-10) Eighth-term or ninth-term Veterinary Medicine students.

Clinical instruction and experience in diagnosis, patient care, medication, surgery, disease prevention, and herd health.

#### 521. Large Animal Surgery and Medicine I

(VSM 521.) Fall, Spring. 8(7-3) Seventh-term Veterinary Medicine students.

Occurrence, etiology, symptomatology, diagnosis, prognosis, treatment and prevention of diseases of reproductive, digestive, and respiratory systems. Demonstrations of laboratory experience in basic clinical skills including restraint, diagnosis, medication, and surgery.

#### 522. Large Animal Surgery and Medicine II

(VSM 522.) Winter, Summer. 6(5-3) 521.

Occurrence, diagnosis and treatment of surgical diseases of large animals. Discussion of diseases of cardiovascular, hematopoietic, urinary, nervous and integumentary systems. Demonstrations and laboratory experience in large animal surgery techniques.

\*Established June 1, 1967.

\*\*Established November 1, 1968. Formerly part of the Department of Veterinary Surgery and Medicine.