810. Visual Journalism
Winter. 4(4-0)
Issues, concepts and history involved with: combining photographs and words; photography and graphics as reporting tools; design; media technology; photography and public policy.

811. Proseminar in Mass Media and Their Audiences
Fall. 4(4-0)
The structure of the mass media; growth and change since the 1930's; the mass communications system in an urban setting; economic base of the print and broadcast media; nature of the audience of the media; relationship of the media and their audiences.

815. Seminar in the Press and Society
Winter. 4 credits.
Provides opportunity to work in areas of special interest and study significant problems relating to role of the press in modern society.

820. Seminar in History of Journalism
Spring. 4 credits.
Selected periods in the history of American journalism. Students will read widely in the literature of journalism for the period under discussion, and will make first-hand study of original files of newspapers and magazines of period.

823. Government and Mass Communications
Spring. 4(4-0)
Contemporary issues resulting from the restrictive, regulatory, and supplementary activities of government in the field of mass communications; current constitutional and administrative problems of the mass media.

829. Special Problems
Fall, Winter, Spring, Summer. 1 to 12 credits.

899. Master's Thesis Research
Fall, Winter, Spring. Variable credit. Approval of school.

904. An International and Comparative View of Press Systems
Winter. 4(4-0) Approval of school.
Comparison of problems and trends in the mass media of selected countries; historical roots; cultural, political, economic and social barriers to the evolution of media; extent of control.

915. Seminar in the History of the Mass Media
Winter. 4(4-0) Advanced graduate students.
Analysis of the development of the mass media, mainly newspapers, magazines, radio, and television, in the United States. Application of documentary research methods to mass media history.

931. Mass Media and the First Amendment
Fall. 4(4-0) Advanced graduate students. Interdepartmental with the departments of Advertising and Telecommunication.
First amendment rights and the mass media. Analysis of the development of news and current events reporting in areas of confrontation over guaranteed rights of freedom of expression.

LABOR AND INDUSTRIAL RELATIONS

College of Social Science

801. Labor in Twentieth Century America
Fall, Winter, Spring. 4(4-0) Approval of school.

803. Employment and Unemployment
Fall. 4(4-0) Approval of school.

809. Labor Markets
Fall, Winter, Spring. 4(4-0) Approval of school.
Review of labor market structures and processes, forces affecting work and wages; and public policy on human resource development and utilization and on income maintenance.

811. Employment and Training Programs
Fall. 4(4-0) Approval of school.
Role and effectiveness of the public employment service, vocational and apprenticeship programs, retraining and vocational rehabilitation activities, etc., as instruments of an active human resource policy.

813. Income Maintenance Programs
Winter. 4(4-0) Approval of school.

817. Methods of Program Evaluation
Summer. 4(4-0) 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, Winter, Summer. 4(4-0) Approval of school. Interdepartmental with the Department of Sociology.
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, Spring. 4(4-0) Approval of school.
A social system approach to employment relations and employee utilization in private and public organizations.

825. Employee Compensation and Incentives
Spring, Summer. 4(4-0) Approval of school.

826. Organizational Development
Fall, Summer. 4(4-0) LIR 823 or approval of school.
Application of general systems and organizational behavior theories to the problems of organizational change and development in labor and industrial relations, with particular emphasis on the roles of leadership and change agents.

827. Quality of Work Life
Winter. 4(4-0) LIR 823 or approval of school.
Quality of work life approaches to organizational and job design from the perspectives of human resource development, socio-technical systems, and labor-management relations in European, Japanese, and American contexts.

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. 4(4-0) LIR 888, LIR 863, or approval of school.
Comparative analysis of industrial relations systems of countries in various stages of economic development.

837A. Wage Theory I
Fall. 3(3-0) EC 324, EC 326 or approval of school. Interdepartmental with and administered by the Department of Economics.
Advanced analysis of: theories of wage determination; labor market research; economic effects of collective bargaining on the national wage structure, output, employment, distribution of national income, the price level; nature and effects of government wage policies.

858. Collective Bargaining
Fall, Winter, Spring. 3(3-0) EC 365, 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 membership 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.

923. Seminar in Organizational Behavior
Winter. 4(4-0) Approval of school.
Research and policy on selected problems of organizational behavior in labor and industrial relations.

956. Seminar in Collective Bargaining and Trade Union Behavior
Spring. 4(4-0) EC 858 or approval of school.
Critical study of selected contemporary areas and issues in collective bargaining.

LANDSCAPE ARCHITECTURE
See Urban Planning and Landscape Architecture.

LARGE ANIMAL CLINICAL SCIENCES

866. Introduction to Herd Health Clerkship
(LSM 662.) Fall, Winter, Spring, Summer. 4 credits. Completion of 9 terms of professional program, LCS 680, approval of department.
Concepts and supervised practice in herd health programs. Emphasis on developing programs for food animal species and equine species.

864. Dairy Herd Health Clerkship
(LSM 664.) Fall, Winter, Spring. Summer. 4 credits. Completion of 9 terms of professional program, LCS 680, approval of department.
Dairy farm and herd health management. Record keeping, general management, housing, nutrition, and mastitis control will be emphasized.

868. Equine Herd Health Clerkship
(LSM 666.) Winter, Spring, Summer. 4 credits. Completion of 9 terms of professional program, LCS 680, approval of department.
Establishing and maintaining herd health programs for equine operations. Reproduction, parasitic control, immunization, and diagnostic medicine and surgery in the field.

869. Swine Herd Health Clerkship
Fall, Winter, Spring. 4 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.

870. Food Animal Clerkship I
(LSM 670.) Fall, Winter, Spring, Summer. 4 credits. Completion of 9 terms of professional program, LCS 680, approval of department.
Concepts and supervised practice in food animal medicine. Emphasis on diagnosis, prognosis, treatment and disease prevention.

872. Food Animal Clerkship II
(LSM 672.) Fall, Winter, Spring. Summer. 4 credits. Completion of 9 terms of professional program, LCS 670, approval of department.
Advanced, supervised food animal surgery and medicine.

874. Preceptorial Clerkship
(LSM 674.) Fall, Winter, Spring. Summer. 8(0-24) to 16(0-48) May reenroll for a maximum of 16 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 practice tutored by practitioners with adjunct faculty appointments.

889. Problems in Large Animal Surgery
(LSM 689.) 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.

891. Problems in Large Animal Medicine
(LSM 691.) 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.

412. Livestock Hygiene and Disease Control
(LSM 412.) 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.

421. Integrative Clinical Problems
(LSM 621.) Fall, Winter, Spring, Summer. 20(0-4) to 40(12) May reenroll for a maximum of 12 credits. Completion of 9 terms of professional program, approval of department.
Comprehensive problem solving explorations of selected clinical diseases, either systems or species oriented, in large animals.

462. Special Problems-Research
(LSM 642.) Fall, Winter, Spring, Summer. 4 credits. Completion of 9 terms of professional program, approval of department. Research related to a large animal specialty.

464. Theriogenology Clerkship
Fall, Winter, Spring, Summer. 4 credits. Completion of 9 terms of professional program, approval of department.
Provide hands-on clinical experience with diagnostic methods utilized in large animal reproduction.

465. Equine Clerkship I
(LSM 650.) Fall, Winter, Spring, Summer. 4 credits. Completion of 9 terms of professional program, approval of department.
Concepts and supervised practice in equine medicine. Emphasis on diagnosis, prognosis, treatment and disease prevention.

465A. Equine Clerkship II
(LSM 652.) Fall, Winter, Spring, Summer. 4 credits. Completion of 9 terms of professional program, LCS 680, approval of department.
Advanced, supervised equine medicine and surgery.

465B. Equine Clerkship III
(LSM 654.) Fall, Winter, Spring, Summer. 4 credits. Completion of 9 terms of professional program, LCS 680, approval of department.
In-depth, supervised equine medicine and surgery.

466. Large Animal Anesthesiology Clerkship
(LSM 656.) Fall, Winter, Spring, Summer. 4 credits. Completion of 9 terms of professional program, approval of department.
Concepts and supervised practice in large animal anesthesiology.

468. Equine Anesthesia Clerkship
(LSM 658.) Fall, Winter, Spring, Summer. 4 credits. Completion of 9 terms of professional program, approval of department.
Concepts and supervised practice in equine anesthesiology.