813. Income Maintenance Programs
Winter. 4(3-0) Approval of school.
Causes and social consequences of poverty, nature and effectiveness of income transfer programs against poverty participation rates. Integration with manpower programs. Relation between public and private programs.

815. Labor Force Behavior
Spring. 4(4-0) LIR 809, EC 457 or approval of school. Interdepartmental with the Department of Economics.
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
Summer. 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, 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(3-0) Approval of school.
A social systems approach to employment relations and employee utilization in private and public organizations.

825. Employee Compensation and Incentives
Spring, Summer. 4(3-0) 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. 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. 4(3-0) 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(3-0) LIR 801, LIR 858, LIR 863, or approval of school.
Comparative analysis of industrial relations systems of countries in various stages of economic development.

857. Wage Theory
Fall. 3(3-0) EC 324, EC 326 or approval of school. Interdepartmental with the Department of Economics.
Advanced analysis of theories of wage determination: labor market research; economic effects of collective bargaining upon 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 303, or approval of school. 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(3-0) 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 6 credits. Twelve graduate credits or approval of school.
Intensive analysis of special topics in collective bargaining, employment relations, or manpower.

899. Master's Thesis Research
Fall, Winter, Spring. Variable credit. May reenroll for a maximum of 9 credits. Approval of school.

911. Seminar in Manpower
Summer. 4(3-0) Approval of school.
Critical study of research and policy on selected manpower problems.

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.

955. Seminar in Collective Bargaining and Trade Union Behavior
Spring. 4(3-0) 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

COLLEGE OF VETERINARY MEDICINE

412. Livestock Hygiene and Disease Control
(PLM 412) Spring. 3(3-0) Junior Ag. Science 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.

621. Integrative Clinical Problems
(PLM 621) Fall, Winter. Spring. 2(0-6) to 4(0-12) 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.
Descriptions - Large Animal Clinical Sciences
of Courses

642. Special Problems—Research
(LSM 642.) 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. 4 credits.
Completion of 9 terms of professional
program, approval of department.
Provide hands-on clinical experience with
diagnostic methods utilized in large animal re-
production.

650. 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.

652. Equine Clerkship II
(LSM 652.) Fall, Winter, Spring, Summer.
4 credits. Completion of 9 terms of professional
program, LCS 650, approval of department.
Advanced, supervised equine surgery and
medicine.

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

656. Large Animal Anesthesia
Clerkship
(LSM 656.) Fall, Winter, Spring, Summer.
4 credits. Completion of 9 terms of professional
program, approval of department.
General medicine and surgery in large animals
in field setting. Basic skills, diagnostic tech-
niques and differential diagnosis. Clinical manip-
ulative skills in theriogenology and minor surgery.

660. Ambulatory Clerkship
(LSM 660.) Fall, Winter, Spring, Summer.
4 credits. Completion of 9 terms of professional
program, approval of department.
General medicine and surgery in large animals
in field setting. Basic skills, diagnostic tech-
niques and differential diagnosis. Clinical manip-
ulative skills in theriogenology and minor surgery.

662. Introduction to Herd Health
Clerkship
(LSM 662.) Fall, Winter, Spring, Summer.
4 credits. Completion of 9 terms of professional
program, LCS 660, approval of department.
Concepts and supervised practice in herd health
programs. Emphasis on developing programs
for food animal species and equine species.

664. Dairy Herd Health Clerkship
(LSM 664.) Fall, Winter, Spring, Summer.
4 credits. Completion of 9 terms of professional
program, approval of department.
Dairy farm and herd health management. Re-
cord keeping, general management, housing,
nutrition, and mastitis control will be em-
phasized.

666. Equine Herd Health Clerkship
(LSM 666.) Winter, Spring, Summer.
4 credits. Completion of 9 terms of professional
program, LCS 660, approval of department.
Establishing and maintaining herd health pro-
grams for equine operations. Reproduction,
parasite control, immunization, and diagnostic
medicine and surgery in the field.

670. Food Animal Clerkship I
(LSM 670.) Fall, Winter, Spring, Sum-
mer. 4 credits. Completion of 9 terms of profes-
sional program, approval of department.
Concepts and supervised practice in food ani-
mal medicine. Emphasis on diagnosis, prog-
nosis, treatment and disease prevention.

672. Food Animal Clerkship II
(LSM 672.) Fall, Winter, Spring, Sum-
mer. 4 credits. Completion of 9 terms of profes-
sional program, LCS 670, approval of depart-
ment.
Advanced, supervised food animal surgery and
medicine.

LINGUISTICS AND GERMANIC
SLAVIC, ASIAN AND
AFRICAN LANGUAGES

(Name changed September 1, 1981. Formerly
the Department of Linguistics and Oriental and
African Languages and the Department of Ger-
man and Russian.)

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

299. Special Projects
Fall, Winter, Spring, Summer. Var-
iable credit. May reenroll for a maximum of 18
credits. Approval of department.
Work in areas outside regular course offerings.

360. World Literature in English
315.) 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 na-
tions, and nations from the Middle East and
Africa.

361. World Literature in English
Translation
316.) Winter. 3(3-0) Interdepartmen-
tal 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
317.) Spring. 3(3-0) Interdepartmen-
tal with and administered by the Department of
English.
Work will center each term around a single liter-
ary genre, type or theme. Typical examples: The
Quest, Literature of Revolt, Satire. Literary exam-
pies will be selected from several national
literatures.

499. Special Projects
Fall, Winter, Spring, Summer. Var-
iable credit. May reenroll for a maximum of 18
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 lin-
guist with native informants. Offerings include
Bemba, Hausa, Ibo, Pidgin, Swahili, Yoruba.
These and other African languages are taught
upon sufficient demand and availability of in-
structors.

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.

LATIN
See Romance and Classical Languages.