Supervised research practicum. Design, execution, faculty supervision.

Individual study in an area of kinesiology under independent study in kinesiology.

Current Issues in Motor Behavior
Spring, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. P:NM: (KIN 860) SA: PES 960
Selected issues in motor development, motor learning, adapted physical education, and related fields of study.

Independent Study in Kinesiology
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to doctoral students. Approval of department. SA: PES 990
Individual study in an area of kinesiology under faculty supervision.

Research Practicum in Kinesiology
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. R: Open only to doctoral students in the College of Education. Approval of department. SA: PES 995 Supervised research practicum. Design, execution, analysis, presentation, critique, and revision of research projects.

Master’s Thesis Research
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P:NM: (KIN 871) SA: PES 899
Master’s thesis research.

Current Issues in Exercise Physiology
Spring, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. Interdepartmental with Osteopathic Manipulative Medicine. P:NM: (KIN 830) SA: BIM 930, PES 930
Selected issues in exercise physiology and related fields of study.

Current Issues in Biomechanical Aspects of Physical Activity
Fall, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. Interdepartmental with Osteopathic Manipulative Medicine. P:NM: (KIN 830) SA: BIM 930, PES 930
Selected issues of biomechanical analyses of sport and physical activity.

Current Issues in Psychosocial Aspects of Physical Activity
Fall, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. SA: PES 940
Selected issues in the psychology and sociology of sport and physical activity.

Current Issues in the Design and Evaluation of Physical Activity Programs
Fall, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. SA: PES 950
Selected issues in the design and evaluation of physical activity programs.

Current Issues in Motor Behavior
Spring, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. P:NM: (KIN 860) SA: PES 960
Selected issues in motor development, motor learning, adapted physical education, and related fields of study.

Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 54 credits in all enrollments for this course. R: Open only to doctoral students in the Department of Kinesiology. SA: PES 999
Doctoral dissertation research.

LABOR AND INDUSTRIAL RELATIONS

School of Labor and Industrial Relations
College of Social Science

Trade Union History, Structure, and Administration
Fall, Summer. 3(3-0) R: Open only to student in the School of Labor and Industrial Relations.

Labor Market
Fall, Spring, 3(3-0) P:NM: (EC 201) R: Open only to MLHR students and students in the Interdisciplinary Ph.D. program in Social Science with a concentration in Industrial Relations and Human Resources.


Training and Development
Fall, Spring, 3(3-0) R: Open only to graduate students in the Labor Relations and Human Resources, Labor Relations and Human Resources-Urban Studies major, and students in the Interdisciplinary Ph.D. program in Social Science with a concentration in Industrial Relations and Human Resources.

Analyze and experience critical issues in the design and administration of employee training and development.

Organizational Behavior in Labor and Industrial Relations
Fall, Spring, 3(3-0) R: Open only to students in the School of Labor and Industrial Relations.

Application of behavioral science knowledge at micro- and macro-levels to enhance individual, group, and organizational functioning in industrial relations settings.

Human Resource Strategies and Decisions
Fall, Spring, 3(3-0) R: Open only to students in the School of Labor and Industrial Relations.

Human resource planning, equal employment opportunity, staffing, training and development. Compensation and benefits. Workforce diversity and organizational development.

Compensation and Benefits Systems
Fall, Spring, 3(3-0) P:NM: (LIR 824) R: Open only to students in the School of Labor and Industrial Relations and students in the Interdisciplinary Ph.D. program in Social Science with a concentration in Industrial Relations and Human Resources.

Theory and practice relating organizational characteristics to compensation-system strategy, design, and administration. Job evaluation, pay surveys, pay structure, pay administration, group incentives, and benefits.

Organizational Development and Planned Change
Fall, 3(3-0) P:NM: (LIR 823) R: Open only to students in the School of Labor and Industrial Relations.

Application of general systems and organizational behavior theories to the problems of organizational change and development in labor and industrial relations. Emphasis on the roles of leadership and change agents.

High Performance Work Systems
Spring, 3(3-0) P:NM: (LIR 823) R: Open only to graduate students in Labor Relations and Human Resources or Labor Relations and Human Resources-Urban Studies, or Social Science Industrial Relations and Human Resources or approval of department.


Human Resource Information Systems
Fall, Spring, 3(3-0) P:NM: (LIR 823) R: Open only to students in the School of Labor and Industrial Relations and students in the Interdisciplinary Ph.D. program in Social Science with a concentration in Industrial Relations and Human Resources.


Data Sources in Labor and Industrial Relations
Fall, Spring, 3(3-0) R: Open only to students in the School of Labor and Industrial Relations.

Evaluation, use, and interpretation of data on industrial and human resources. Methods of presentation and report writing. Applications of index numbers, seasonal adjustments, and multiple regression.

Comparative Industrial Relations
Spring, 3(3-0) P:NM: (LIR 801 or LIR 858 or LIR 863) R: Open only to students in the School of Labor and Industrial Relations and students in the Interdisciplinary Ph.D. program in Social Science with a concentration in Industrial Relations and Human Resources.

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.
855 Labor and Management Relations
Spring. 2(2-0) Interdepartmental with Execu-
tive MBA Program. Administered by Business. R: Open only to students in the Executive M.B.A. Program. SA: MTG 855
Industrial relations in American union and manage-
ment collective bargaining. Compensation issues.
Grievance concepts and arbitration. Dispute resolu-
tion.

858 Collective Bargaining
Fall, Summer. 3(3-0) R: Open only to stu-
dents in the School of Labor and Industrial Rela-
tions.
Theory and practice of collective bargaining. Wages,
benefits, seniority, grievances, arbitration, and labor-
management committees. Legal, economic, techno-
logical, and historical contexts.

860 Negotiation and Conflict Resolution
Fall, Spring. 3(3-0) P:M: (LIR 823 or LIR 858) R: Open only to students in the School of Labor and Industrial Relations and stu-
dents in the Interdisciplinary Ph.D. program in Social Science with a concentration in In-
dustrial Relations and Human Resources.
Negotiation and conflict resolution in employment settings. Use of experiential simulations to develop
bargaining styles and interpersonal process skills.

863 Law of Labor Management Relations
Fall, Spring. 3(3-0) R: Open only to students in the School of Labor and Industrial Rela-
tions.
Legal framework for contract negotiations and ad-
inistration. National Labor Relations Act as
amended. Right to organize and undertake con-
certed activity. Strikes and lockouts. Unfair labor
practices.

865 Grievance Administration and Arbitration
Spring. 3(3-0) P:NM: (LIR 858 or LIR 863) R: Open only to students in the School of Labor and Industrial Relations.
Grievance procedure and arbitration as the terminal
step in the grievance process under collective bar-
gaining. Grievance procedures in non-union em-
ployment settings.

866 Equal Employment Opportunity and
Occupational Safety and Health Policy
Spring, Summer. 3(3-0) R: Open only to students in the School of Labor and Indus-
trial Relations.
Administrative policies and judicial decisions pro-
moting equal employment opportunity. Analysis and
review of governmental policies protecting workers from unsafe working conditions. Implications for
employers and unions.

890 Readings in Labor Relations and Human
Resources
Fall, Spring. Summer. 1 to 6 credits. A stu-
dent may earn a maximum of 6 credits in all enroll-
ments for this course. P:NM: 15 credits in LIR. R: Open only to students in the School of Labor and Industrial Relations.
Individual readings under faculty guidance.

891 Special Topics in Labor Relations and
Human Resources
Fall. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this
course. R: Open only to students in the School of Labor and Industrial Relations.
Special topics in collective bargaining, human re-
sources, employment, and training.

899 Master’s Thesis Research
Fall, Summer. 0(3-0) A student may earn a maximum of 6 credits in all enroll-
ments for this course. P:NM: 9 graduate
credits. R: Open only to students in the School of Labor and Industrial Relations.
Master’s thesis research.

992A Seminar in Organizational Behavior and
Human Resources
Fall of odd years. 3(3-0) A student may earn a maximum of 6 credits in all enroll-
ments for this course. P:NM: (LIR 823 and LIR 824) R: Open only to students in the School of Labor and Industrial Relations.
Research and policy analysis of selected topics in
organizational behavior and human resources in
labor and industrial relations.

LANDSCAPE ARCHITECTURE
LA

200 Introduction to Landscape Architecture
Department of Geography
College of Social Science
Fall.

220 Graphic Communication
Fall. 4(2-4) R: Open only to majors in Land-
scape Architecture or Urban and Regional
Planning or Horticulture.
Fundamentals of graphics including freehand and
technical drafting, lettering, sketching, perspective
drawing, and delineation and rendering. Principles of
design and field drawing techniques. Also intro-
duced: plan, section, elevation and basic sym-
 bols, references, methods of presentation and
graphic reproduction.

240 Applied Design Fundamentals
Spring. 4(2-4) P:NM: (LA 220) or approval of depart-
ment. R: Open only to majors in Landscape Architecture or Horticulture or Crop and Soil Sciences or Urban and Re-
gional Planning.
Application of the principles and theory of design in
advanced two-and three-dimensional representa-
tion.

270 Landscape Design History
Spring. 3(3-0) History of landscape architecture. Landscape deve-
lopment styles, design forms, and organization.

311 Landscape Design and Management
Specifications
Spring. 4(3-2) Interdepartmental with Horti-
culture. Administered by Department of Hor-
ticulture. P:M: (HRT 211 and HRT 212 or concurrently)
Landscape design techniques, spatial organization,
plant selection, plant and site interaction. Relation-
ship between design, construction and maintenance.
Preparation of planting and maintenance specifica-
tions.

330 Site Construction: Materials and
Methods
Fall. 4(2-4) P:NM: (LA 220) R: Open only to
majors in Landscape Architecture, Horticulture
or Crop and Soil Sciences or Park, Recreation and Tourism Resources.
Elements and principles of grading, drainage, con-
struction materials and methods.

331 Site Engineering
Spring. 4(2-4) P:NM: (LA 330) R: Open only
to majors in Landscape Architecture or Hor-
ticulture.
Principles and procedures for landscape engineer-
ing of site structures and systems such as road
alignment, storm and subsurface drainage. Site
utilities.

341 Basic Site Design I
Fall. 4(2-4) P:NM: (LA 240) and (GEO 221 and
HED 240) R: Open only to majors in Landscape
Architecture or Horticulture or Crop and Soil Sciences or Urban and Re-
gional Planning.
Introduction to the design process. Focus on pro-
gram development, inventory, and analysis.

342 Basic Site Design II
Spring. 5(2-6) P:NM: (LA 341) R: Open only
to majors in Landscape Architecture or Horti-
culture or Crop and Soil Sciences or Urban and Regional Planning.
Development of design solutions for individual pro-
jects at a small scale. Focus on simple design pro-
grams and problems of limited complexity.

359 Introduction to Zoo and Aquarium
Science
Spring. 3(3-0) Interdepartmental with Zool-
ogy; Fisheries and Wildlife; Veterinary Medicine. Administered by Department of Zoology. P:M: (BS 110 or LBS 144 or LBS
148H)
Fundamentals of zoo and aquarium operations including research, interpretation, design, nutrition,
captive breeding, conservation, ethics and man-
gement.

390 Landscape Architecture Field Studies
Fall, Spring. 2 to 4 credits. A student may earn a maximum of 6 credits in all enroll-
ments for this course. R: Open only to junior
or seniors in Landscape Architecture.
Approval of department.
Field observation and analysis of selected profes-
sional offices, design and planning projects, natural
areas, or places of historic interest. Background
familiarization of selected study sites. Evaluation and synthesis of study experiences.

420 Advanced Graphic Communication
Spring. 4(1-6) P:NM: (LA 342) R: Open only
to majors in Landscape Architecture.
Methods of 3-D visualization in the design process.