

930. Law and Public Policy of the Media

Fall. 3(3-0) Interdepartmental with Advertising; and Telecommunication. R: Open only to Ph.D. students in Mass Media.

Philosophical, legal, political, and statutory principles underlying law and public policy applied to media. Selected issues involving constitutional law, common law, statutes, and administrative policy.

960. Media and Technology

Spring. 3(3-0) Interdepartmental with Telecommunication; and Advertising. Administered by Telecommunication. R: Open only to Ph.D. students in Communication Arts and Sciences-Mass Media or Communication or approval of department.

Theoretical frameworks concerning media and communication processes, and their interactions with technology. Social, organizational, critical, and economic perspectives.

965. Media Economics

Spring. 3(3-0) Interdepartmental with Telecommunication; and Advertising. Administered by Telecommunication. R: Open only to Ph.D. students in Communication Arts and Sciences-Mass Media or Communication or approval of department.

Economic theory and analysis relevant to the mass media. Economic structure and performance of mass media and advertising industries. Competition among media and within related industries.

975. Quantitative Research Design

Fall. 3(3-0) Interdepartmental with Advertising; and Telecommunication. Administered by Advertising. P: One graduate-level research design or statistics course. R: Open only to Ph.D. students in Mass Media.

Survey, experimental and content-analytic techniques applied to the study of media. Academic and applied research methods. Univariate and multivariate techniques.

KINESIOLOGY

KIN

**Department of Kinesiology
College of Education**

101. Aquatics

Fall, Spring, Summer. 1(0-2) R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in PES 101 through PES 108.

Skill and knowledge development in water-related activities. Separate course sections in activities such as swimming, diving, lifeguarding, water polo, and sailing.
SA: PES 101

102. Combative Sports

Fall, Spring, Summer. 1(0-2) R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in PES 101 through PES 108.

Skill and knowledge development in the art or sport of physical training. Separate course sections in activities such as judo, karate, aikido, and fencing.

SA: PES 102

103. Conditioning

Fall, Spring, Summer. 1(0-2) R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in PES 101 through PES 108.

Knowledge and competency in physical fitness activities that emphasize cardiovascular and muscular training. Separate course sections in activities such as aerobic exercise, power walking, swim conditioning, and weight training.

SA: PES 103

104. Dance

Fall, Spring, Summer. 1(0-2) R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in PES 101 through PES 108.

Skill and knowledge development in dance activities. Separate course sections in dance styles such as ballet, modern, jazz, Latin, and social.

SA: PES 104

105. Gymnastics

Fall, Spring, Summer. 1(0-2) R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in KIN 101 through KIN 108.

Skill and knowledge development in gymnastics. Separate sections in activities such as apparatus, tumbling, and floor exercise.

SA: PES 105

106. Individual Sports

Fall, Spring, Summer. 1(0-2) R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in KIN 101 through KIN 108.

Skill and knowledge development in individual sports. Separate course sections in activities such as bowling, golf, skating, self defense, and track and field.

SA: PES 106

107. Racquet Sports

Fall, Spring, Summer. 1(0-2) R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in KIN 101 through KIN 108.

Skill and knowledge development in racquet sports. Separate course sections in sports such as badminton, racquetball, and tennis.

SA: PES 107

108. Team Sports

Fall, Spring, Summer. 1(0-2) R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in KIN 101 through KIN 108.

Skill and knowledge development in team sports. Separate course sections in sports such as basketball, ice hockey, lacrosse, soccer, softball, and volleyball.

SA: PES 108

120. Personal Health

Fall, Spring, Summer. 3(3-0)
Physical, mental, emotional, social, and spiritual domains of health. Alternative health values and behaviors. Developing healthy lifestyles.

SA: PES 120

121. The Healthy Lifestyle

Fall, Spring, Summer. 3(2-2)
Cardiovascular risk factors, lifestyle habits, and aerobic capacities and their relationship to optimal health and longevity. Individual physical activity required as part of the course.

SA: PES 121

125. First Aid and Personal Safety

Fall, Spring, Summer. 3(3-0)
Knowledge and application of first aid concepts relating to respiratory and cardiopulmonary disorders, shock, wounds, burns, fractures, drug poisoning, childbirth, litigation. Preventing trauma by recognizing and avoiding safety hazards.

SA: PES 125

170. Foundations of Kinesiology

Fall, Spring. 2(2-0)
Kinesiology as a disciplinary major. Subdisciplines and professions. Historical perspectives.

SA: PES 170

171. Athletics in Higher Education

Fall. 1(1-0)
Philosophy and organization of athletics. Athletics and academic achievement. Ethical issues, legal issues, social conduct, eligibility, athlete's rights and responsibilities. Coaches' responsibilities and institutional obligations.

SA: PES 171

201. Water Safety Instruction

Fall, Spring. 2(1-2)
Knowledge and skills necessary to plan and conduct American Red Cross water safety courses. Current lifesaving certification is assumed.

SA: PES 201

202. Aerobic Exercise Instruction

Fall, Spring. 3(2-3)
Theory and practice for aerobic exercise leaders. Functional effects of physical activity. Safe exercise techniques. Modifications and precautions for special populations. Choreography practice. Health and exercise screening. Legal issues.

SA: PES 202

Descriptions—Kinesiology of Courses

203. Self-Defense Instruction

Spring of even years. 2(1-2)

Knowledge, skills, strategies, tactics, and experience necessary to teach personal defense skills. Assaultive process and situation assessment. Prevention, de-escalation, confrontation skills, and self defense. Competence in self defense assumed.

SA: PES 203

204. Sailing and Cruising

Fall, Spring, Summer. 2(1-3)

Knowledge, skills, and experience necessary to sail large vessels on inland and coastal waters. Live aboard and sail for six days and nights, traveling approximately 250 miles. Competence in sailing small crafts assumed.

SA: PES 204

205. Lifeguarding

Fall, Spring, Summer. 2(1-2)

Lifeguarding knowledge and skills necessary to obtain American Red Cross Lifeguarding certificate. Advanced swimming level is assumed.

SA: PES 205

216. Applied Human Anatomy

Fall. 3(3-0) R: Open only to students in the Department of Kinesiology.

Structural anatomy of the human body. Interrelationships of structure, function, and human movement.

SA: PES 216

217. Applied Human Anatomy Laboratory

Spring. 1(0-3) P: KIN 216. R: Not open to freshmen. Open only to students in the Department of Kinesiology.

Major bones, muscles, nerves, vessels, and organs of the human body. Articulations, muscle origins, muscle insertions, and prime moving actions.

SA: PES 217

250. Measurement in Kinesiology

Fall, Spring. 3(3-0)

Methods and materials for measurement and evaluation. Motor skills, physical fitness, knowledge, and attitudes associated with physical activity.

SA: PES 250

260. Physical Growth and Motor Behavior

Fall, Spring. 3(3-0) R: Not open to freshmen.

Physical growth and biological maturity as related to motor performance and skill learning. Sequential progressions of fundamental motor skills. Physical fitness of children and youth. Motor abilities. Stages of skill acquisition.

SA: PES 260

300A. Coaching Baseball

Fall. 2(1-2) R: Not open to freshmen.

Techniques for coaching baseball. Rules, strategies, and training. Development and evaluation of player skills. Planning, conducting, and evaluating practices.

SA: PES 300A

300B. Coaching Sports for Athletes with Disabilities

Spring of even years. 2(2-0) Interdepartmental with Park, Recreation and Tourism Resources.

Rules, strategies, and training. Developing and evaluating player skills. Planning, conducting, and evaluating sport practices. Health and safety concerns.

300C. Coaching Soccer

Spring. 2(1-2) R: Not open to freshmen.

Techniques for coaching soccer. Developing and evaluating player and team skills. Planning, conducting and evaluating practices and games. Rules, drills, strategies and training.

SA: PES 300C

300D. Coaching Basketball

Fall. 2(2-0) R: Not open to freshmen.

Techniques and strategies for coaching basketball. Rules, drills, and training. Development and evaluation of individual and team skills. Planning, conducting, and evaluating practices and games.

SA: PES 300D

300E. Coaching Football

Fall. 2(2-0) R: Not open to freshmen.

Techniques and strategies for coaching football. Rules, drills, and training. Development and evaluation of individual and team skills. Planning, conducting, and evaluating practices and games.

SA: PES 300E

300K. Coaching Track and Field

Fall. 2(1-2) R: Not open to freshmen.

Techniques and strategies for coaching track and field. Rules, drills, and training. Development and evaluation of participant skills. Planning, conducting, and evaluating practices and meets.

SA: PES 300K

301E. Advanced Football Coaching

Spring. 2(2-0) P: PES 300E. R: Not open to freshmen

Administrative and planning responsibilities. Advanced techniques in offensive and defensive position play. Scouting and performance evaluation. Weight training and conditioning. Athletic training procedures. Recruitment. Compliance.

SA: PES 301E

310. Physiological Bases of Physical Activity

Fall, Spring. 3(3-0) P: PSL 250 and CEM 141 and PES 216 and PES 217. R: Open only to students in the Department of Kinesiology.

Acute and chronic effects of exercise on various body systems. Principles of training, exercise prescription, and the role of physical activity in health and disease.

SA: PES 310

320. Athletic Training

Fall, Summer. 3(3-0) P: KIN 125, KIN 216, KIN 217, KIN 310 or concurrently. R: Not open to freshmen.

Athletic injury recognition, prevention, evaluation, management, care, counseling, and rehabilitation. Organization and administration.

SA: PES 320

330. Structural and Mechanical Analysis of Physical Activity

Fall, Spring. 3(2-2) P: KIN 216, KIN 217, PHY 231.

Biomechanical analysis of human movement based upon musculoskeletal structure and function. Mechanical principles.

SA: PES 330

340. Psychological Bases of Physical Activity

Fall, Spring. 3(3-0) P: KIN 260 or concurrently.

Psychological factors affecting motor skill acquisition and performance. Psychological skills which enhance sport performance. Applications of learning theory.

SA: PES 340

400. Principles of Coaching I

Fall. 4(4-0) R: Not open to freshmen or sophomores.

Basic principles of anatomy, biomechanics, and physiology for coaching competitive sports. Applications to athletes of different ages and abilities.

SA: PES 400

401. Principles of Coaching II

Spring. 4(4-0) R: Not open to freshmen or sophomores.

Sociological, administrative, philosophical, legal, ethical, and chemical health issues related to coaching competitive sports. Applications to athletes of different ages and abilities.

SA: PES 401

411. Laboratory Experiences in Exercise Physiology

Fall, Spring. 2(1-3) P: KIN 310 R: Open only to students with a major in Kinesiology.

Laboratory techniques for testing and evaluating individuals for aerobic fitness, muscular strength and endurance, body composition and other physiologic responses to exercise. Exercise program development for personal health fitness.

SA: PES 411

420. School Health Education

Fall. 3(3-0) P: KIN 120. R: Not open to freshmen and sophomores.

Organization and administration of a comprehensive school health education program. Interaction of school health services, healthful environment, and health instruction in the development of a healthy lifestyle.

SA: PES 420

421. Advanced Athletic Training

Spring. 3(3-0) P: PES 320, PES 330 or concurrently. R: Not open to freshmen and sophomores.

Advanced knowledge and skills of athletic health care. Current issues of rehabilitation, organization and administration, therapeutic modalities, and injury evaluation.

SA: PES 421

422. Advanced Rehabilitation of Athletic Injuries

Spring of odd years. 3(3-0) P: KIN 421. R: Not open to freshmen and sophomores.

Rehabilitation and therapeutic modalities used to manage athletic injuries. Anatomical and neurophysiological bases of techniques. Indications and contraindications of rehabilitation protocols.

SA: PES 422

- 445. Sociocultural Analysis of Physical Activity**
Fall, Spring. 3(3-0) R: Open only to seniors or graduate students.
Sociocultural context of and social practices in sport and physical activity.
SA: PES 445
- 450. Design and Evaluation of Physical Activity Programs**
Fall, Spring. 3(3-0) R: Open only to seniors or graduate students.
Development and evaluation of programs in kinesiology.
SA: PES 450
- 451. Physical Education in Preschools and Elementary Schools**
Fall. 3(1-5) P: KIN 260 or KIN 460. R: Not open to freshmen and sophomores. Not open to students with credit in TE 401.
Methods of instruction for teaching physical activities to preschool and elementary school children. Development of teaching sequences. Clinical experience in teaching children and peers.
SA: PES 451
- 452. Physical Education in Middle and High Schools**
Spring. 3(2-3) P: KIN 106, KIN 107, KIN 108, KIN 340. R: Open only to seniors and graduate students. Not open to students with credit in TE 402.
Methods of instruction for teaching physical activities to middle and high school students. Development of teaching sequences. Clinical experience in teaching students and peers.
SA: PES 452
- 453. Administration of Intramural Sports Programs**
Spring. 2(2-0) R: Not open to freshmen and sophomores.
Organization and administration of intramural programs in educational settings. Philosophy, values, planning, scheduling, competitive units, classification systems, budgeting, facilities, officiating, clubs, issues, and trends.
SA: PES 453
- 454. Facility Planning and Construction**
Spring. 3(3-0) R: Not open to freshmen or sophomores.
Planning of athletic and physical education facilities such as gymnasias, ice rinks, swimming pools, and outdoor areas. Space utilization standards and guidelines. Selection of materials and equipment.
SA: PES 454
- 460. Developmental Bases of Motor Skills**
Fall, Spring, Summer. 2(2-0) R: Open only to majors in the College of Education and College of Human Ecology. Not open to students in the Department of Kinesiology. Not open to students with credit in KIN 260.
Influence of physical growth and biological maturation on motor skill development. Sequential progressions of fundamental motor skills. Gross motor dysfunction and health-related fitness of children. Techniques of helping children to acquire skills.
SA: PES 460
- 461. Developmental Bases of Motor Skills Laboratory**
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. P: KIN 460 or KIN 260. R: Students must apply one term in advance of enrollment.
Application of concepts related to physical growth and motor development. Practice in planning and teaching fundamental motor skills. Methods of evaluating teaching.
SA: PES 461
- 465. Adapted Physical Activity**
Fall, Spring. 3(2-2) R: Not open to freshmen or sophomores.
Teaching and coaching physical activities for persons with disabilities.
SA: PES 465
- 466. Practicum in Adapted Physical Activity**
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Approval of department.
Supervised teaching of physical activities and/or coaching sports to persons with disabilities and youths at risk.
SA: PES 466
- 470. Proseminar in Kinesiology (W)**
Fall, Spring. 3(3-0) R: Open only to seniors or graduate students. Completion of Tier I writing requirement.
Philosophical perspectives in kinesiology.
SA: PES 470
- 482. Topics in Kinesiology (MTC)**
Fall, Spring, Summer. 2 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to juniors or seniors or graduate students in the Department of Kinesiology.
Selected topics in areas such as physiology of exercise, biomechanics, motor behavior, psychosocial aspects of activity, program design and evaluation, athletic training, and coaching.
SA: PES 482
- 490. Independent Study**
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Approval of department.
Supervised individual or group study in various fields of emphasis in kinesiology.
SA: PES 490
- 494. Fieldwork**
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Approval of department.
Supervised practice in teaching physical education activities, coaching sports, administering sports programs, or conducting research or service activities in kinesiology.
SA: PES 494
- 810. Physiology of Physical Activity**
Fall. 3(3-0)
Acute and chronic effects of exercise on the various body systems. Program design. Issues in exercise physiology.
SA: PES 810
- 811. Physiological Evaluation and Exercise Prescription**
Fall. 2(0-4) P: KIN 810 or concurrently.
Techniques in evaluation of physiological capacity and in exercise prescription for various populations.
SA: PES 811
- 812. Cardiovascular, Respiratory, and Metabolic Responses to Exercise**
Spring of even years. 3(3-0) P: KIN 810.
Acute and chronic effects of exercise on cardiovascular, respiratory, and metabolic system functions. Role of these systems in limiting exercise performance.
SA: PES 812
- 813. Neuromuscular and Endocrine Responses to Exercise**
Spring of odd years. 3(3-0) P: KIN 810.
Acute and chronic effects of exercise on nervous, muscular, and endocrine system functions. Role of these systems in limiting exercise performance.
SA: PES 813
- 830. Biomechanical Analysis of Physical Activity**
Fall. 3(2-2) Interdepartmental with Osteopathic Manipulative Medicine.
Kinematic analysis of mechanical and anatomical characteristics in physical activity and sport skills.
SA: BIM 830, PES 830
- 831. Advanced Biomechanics of Physical Activity**
Spring of even years. 3(2-2) Interdepartmental with Osteopathic Manipulative Medicine. P: KIN 830.
Kinetic analyses of the performance of physical activity and sport.
SA: BIM 831, PES 830
- 840. Psychosocial Aspects of Physical Activity**
Fall. 3(3-0)
Social psychology of sport and physical activity.
SA: PES 840
- 845. Sociocultural Practices in Sport**
Spring of odd years. 3(3-0)
Critical, conflict, and feminist theories on dominant ideologies and social practices in sport.
SA: PES 845
- 851. Curriculum and Instruction in Physical Activity Programs**
Spring of even years. 3(3-0) P: KIN 450.
Curriculum theory and models in kinesiology. Interaction of curriculum and instructional decision making in kinesiology.
SA: PES 851
- 852. Evaluation of Physical Activity Programs**
Spring of odd years. 3(3-0) P: KIN 450.
Skills and knowledge necessary to design, implement, analyze, interpret, and report program evaluations in kinesiology.
SA: PES 852

Descriptions—Kinesiology of Courses

853. Athletic Administration in Higher Education

Fall. 3(3-0)

Administrative theory, structure, and budget. Facilities, equipment, and marketing. Legal, medical, and safety aspects.
SA: PES 853

854. Sport Law for Administrators and Coaches

Summer. 3(3-0)

Legal issues in amateur athletics. Legal liability as it relates to coaches and administrators. Prevention of lawsuits through planning, policy development, and communication. Current sport legal issues.
SA: PES 854

860. Growth and Motor Behavior

Fall. 3(3-0)

Developmental skill sequences and behavior across the lifespan. Correlates of growth, maturation, and motor behavior. Individual and gender differences.
SA: PES 860

861. Growth, Maturation, and Physical Activity

Spring of even years. 3(3-0) P: KIN 860.

Physical growth, biological maturation, and motor performance. Development of tissues and organs. Development of motor components. Influences of gender and age on growth and performance. Methods of assessment.
SA: PES 861

862. Motor Skill Learning

Spring. 3(3-0) P: KIN 860.

Learning and performance theory applied to gross motor skills. Conditions influencing skill acquisition. Emphasis on neuropsychological and human performance models.
SA: PES 862

865. Curriculum and Instruction in Adapted Physical Education

Spring of odd years. 3(3-0)

Design of curricula and implementation of instruction in physical education for students with disabilities.
SA: PES 865

866. Research on Sports for Athletes with Disabilities

Spring of even years. 3(3-0)

Performance capabilities of athletes with disabilities. Research on areas such as exercise physiology, sport biomechanics, sport psychology, sport sociology, motor development, and motor learning.
SA: PES 866

867. Practicum in Adapted Physical Activity

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Approval of department. Supervised practice in teaching physical activities and/or coaching sports for persons with disabilities.
SA: PES 867

870. Physical Activity and Well-Being

Fall. 3(3-0)

Relationship of physical activity to human well-being. Influence of growth, biological maturity, aging, body composition, nutrition, training, and rest on health and performance.
SA: PES 870

871. Research Methods in Kinesiology

Spring. 3(3-0) R: Open only to graduate students in the Department of Kinesiology.

Experimental, longitudinal, survey, and qualitative research methods in kinesiology. Writing research proposals and reports. Research ethics.
SA: PES 871

882. Topics in Kinesiology (MTC)

Fall, Spring, Summer. 2 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course.

Selected topics in areas such as physiology of exercise, biomechanics, motor behavior, psychosocial aspects of activity, program design and evaluation, and athletic training.
SA: PES 882

890. 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 master's students. Approval of department.

Individual study in an area of kinesiology under faculty supervision.
SA: PES 890

893. Internship in Kinesiology

Fall, Spring, Summer. 2 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students in the Department of Kinesiology.

Supervised internship in sports medicine, athletic administration, coaching, or education agencies. Capstone experience option in master's degree program.
SA: PES 893

894. Field Experiences 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: Approval of department.

Supervised graduate practicum in schools or other settings.
SA: PES 894

895. Research Ethics

Summer. 1(1-0) Interdepartmental with Teacher Education; Counseling, Educational Psychology and Special Education; and Educational Administration. R: Open only to graduate students in the Department of Counseling, Educational Psychology and Special Education or Department of Educational Administration or Department of Kinesiology or Department of Teacher Education.

Identifying and resolving ethical problems in research, including issues related to collegial interactions; authorship, publication, and reviewing practices; data management; ownership of data and intellectual property; conflicts of interest; protection of human and animal subjects; and lab safety and compliance.
SA: PES 895

897. Project in Kinesiology

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open only to graduate students in the Department of Kinesiology.

Project experience under the guidance and supervision of MSU faculty. Development of products such as technical reports, instructional media, or curriculum materials to address an educationally significant problem. Capstone experience option in master's degree program.
SA: PES 897

899. 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: KIN 871.

SA: PES 899

910. Current Issues in Exercise Physiology

Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. P: KIN 810.

Selected issues in exercise physiology and related fields of study.
SA: PES 910

930. Current Issues in Biomechanical Aspects of Physical Activity

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: KIN 830.

Selected issues of biomechanical analyses of sport and physical activity.
SA: BIM 930, PES 930

940. 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.

Selected issues in the psychology and sociology of sport and physical activity.
SA: PES 940

950. 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.

Selected issues in the design and evaluation of physical activity programs.
SA: PES 950

960. 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: KIN 860.

Selected issues in motor development, motor learning, adapted physical education, and related fields of study.
SA: PES 960

990. 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.

Individual study in an area of kinesiology under faculty supervision.
SA: PES 990

995. Research Practicum in Kinesiology
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open only to doctoral students in the College of Education. Approval of department.
 Supervised research practicum. Design, execution, analysis, presentation, critique, and revision of research projects.
 SA: PES 995

999. Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 36 credits in all enrollments for this course. R: Open only to doctoral students.
 SA: PES 999

LABOR AND INDUSTRIAL RELATIONS LIR

**School of Labor and Industrial Relations
 College of Social Science**

801. Trade Union History, Structure, and Administration
Fall, Summer. 3(3-0) R: Open only to student in the School of Labor and Industrial Relations.
 History of American unions. Theories of unionism. Union structure, government and democracy. Role of unions in society and politics. Legal requirements on unions. Current union problems.

809. Labor Markets
Fall, Spring. 3(3-0) R: Open only to students in the School of Labor and Industrial Relations.
 Labor market structures and dynamics. Factors affecting work, wages, and occupational choices. Public and private policies on human resource development and utilization. Designed for human resource practitioners.

811. Public and Private Employment and Training Programs
Spring. 3(3-0) R: Open only to students in the School of Labor and Industrial Relations.
 Role of public and private employment and training programs in human resource development and utilization. Federal, apprenticeship, state vocational, and private training programs.

813. Income Maintenance and Health Care Programs
Fall. 3(3-0) R: Open only to students in the School of Labor and Industrial Relations.
 Public and private income maintenance programs and health care programs.

823. 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.

824. 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.

825. Compensation and Benefits Systems
Fall, Spring. 3(3-0) P: LIR 824. R: Open only to students in the School of Labor and Industrial Relations.
 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.

826. Organizational Development and Planned Change
Fall. 3(3-0) P: 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.

827. Quality of Work Life
Spring. 3(3-0) P: LIR 823. R: Open only to students in the School of Labor and Industrial Relations.
 Quality of work life approaches to organizational processes. Innovation from the perspectives of human resource development, sociotechnical systems, and labor-management relations. American and foreign applications.

828. Human Resource Information Systems
Fall, Spring. 3(3-0) P: LIR 824. R: Open only to students in the School of Labor and Industrial Relations.
 Information requirements for human resource decisions. Methods of appraising software. Role of human resource specialists in database development and operation.

832. 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 relations and human resources. Methods of presentation and report writing. Applications of index numbers, seasonal adjustments, and multiple regression.

854. Comparative Industrial Relations
Spring. 3(3-0) P: LIR 801 or LIR 858 or LIR 863. R: Open only to students in the School of Labor and Industrial Relations.
 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 Management. Administered by Management. R: Open only to students in the Advanced Management Program.
 Industrial relations in American union and management collective bargaining. Compensation issues. Grievance concepts and arbitration. Dispute resolution.

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

860. Negotiation and Conflict Resolution
Spring. 3(3-0) P: LIR 824 or LIR 858. R: Open only to students in the School of Labor and Industrial Relations.
 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 Relations.
 Legal framework for contract negotiations and administration. National Labor Relations Act as amended. Right to organize and undertake concerted activity. Strikes and lockouts. Unfair labor practices.

865. Grievance Administration and Arbitration
Spring. 3(3-0) P: 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 bargaining. Grievance procedures in non-union employment settings.

868. 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 Industrial Relations.
 Administrative policies and judicial decisions promoting equal employment opportunity. Analysis and review of governmental policies protecting workers from unsafe working conditions. Implications for employers and unions.

871. Collective Bargaining in Public Employment
Fall. 3(3-0) P: LIR 858 or LIR 863. R: Open only to students in the School of Labor and Industrial Relations.
 History and current status of collective bargaining policies and practices in public jurisdictions, including federal, state, and local government units.