

KINESIOLOGY • KIN

Courses offered are of two types: (1) basic activity courses such as tennis, golf, etc. open to all students of the University; and (2) professional courses in kinesiology. All basic activity courses are offered on a pass/fail grade basis.

BASIC ACTIVITY COURSES

Students in these classes must furnish and wear clothing suitable to the activity.

- 1123 to 1160 **Beginning Courses (1 sem. hr. each)** Pass/fail grading.
1123 **Archery**
1124 **Tennis**
1125 **Golf**
1126 **Gymnastics**
1128 **Riflery**
1129 **Badminton**
1130 **Bowling**
1132 **Ballroom Dance**
1133 **Children's Rhythms** For elementary grades, physical education, or special education majors.
1134 **International Folk Dance**
1135 **Golf for Business and Life**
1136 **Swimming**
1140 **Scuba Diving** Prereq.: KIN 1236 or consent of instructor.
1142 **Conditioning Exercises**
1144 **Aerobic Dance**
1146 **Weight Training**
1147 **Chinese Kung Fu**
1148 **Chinese Self Defense**
1150 **Recreational Dance**
1151 **Racquetball**
1152 **Tai Chi I**
1154 **Martial Arts**
1155 **Jogging**
1156 **Outdoor Living Skills** American Red Cross Standard First Aid Certificate recommended.
1157 **Aerobic Swimming** Prereq.: KIN 1236 or intermediate swimming skills.
1158 **Canoeing** Prereq.: must be able to swim 50 yards with a personal flotation device; tread water for one minute and swim 50 yards without a personal flotation device.
1160 **Adapted Physical Education** For students who cannot participate in vigorous physical exercise due to physical disability or other handicapping condition.
1224 to 1257 **Intermediate Courses (1 sem. hr. each)** Pass/fail grading.
1224 **Tennis**
1236 **Swimming**
1244 **Aerobic Dance**
1246 **Weightlifting**
1251 **Racquetball**
1252 **Tai Chi II**
1254 **Martial Arts**
1255 **Jogging**
1257 **Aerobic Swimming**
1336 to 1338 **Advanced Courses (1 sem. hr. each)** Pass/fail grading.
1336 **Swimming**
1337 **Advanced Lifesaving** Prereq.: KIN 1236 and 1336 or Advanced Swimming Certificate.
1338 **Water Safety Instructor's Course** Prereq.: valid Advanced Lifesaving Certificate.

PROFESSIONAL COURSES

In the Department of Kinesiology, the second digit of the course number denotes the area of interest for professional courses, as follows: 4CKinesiology activity for majors; 5CKinesiology theory; 6Chealth.

- 1405 **Track and Field (1)** 3 hrs. lab. For kinesiology majors or minors.
1406 **Basketball (1)** 3 hrs. lab. For kinesiology majors or minors.
1407 **Softball (1)** 3 hrs. lab. For kinesiology majors or minors.
1408 **Volleyball (1)** 3 hrs. lab. For kinesiology majors or minors.
1409 **Flag Football (1)** 3 hrs. lab. For kinesiology majors or minors.
1410 **Field Sports (1)** 3 hrs. lab. For kinesiology majors or minors.
1412 **Tennis (1)** 3 hrs. lab. For kinesiology majors or minors.
1413 **Badminton (1)** 3 hrs. lab. For kinesiology majors or minors.
1427 **Physical Activity I: Volleyball and Basketball (1)** For kinesiology majors or minors. 3 hrs. lab. Identification, analysis, and practice of skills and techniques fundamental to volleyball and basketball; rules, strategies, safety.
1600 **Personal and Community Health Problems (3)** Content and theory related to basic health information; critical health issues; improving and maintaining optimal health and wellness.
1801 **Movement Fundamentals for Physical Activity (2)** 1 hr. lecture; 2 hrs. lab. For kinesiology majors. Movement concepts associated with space and time and how these concepts can be organized into a learning environment.
1802 **Individual/Lifetime Activities (2)** 1 hr. lecture; 2 hrs. lab. For kinesiology majors. Identification, analysis and practice of skills, techniques and fundamental concepts associated with lifetime activities.
1803 **Team Activities (2)** 1 hr. lecture; 2 hrs. lab. For kinesiology majors. Identification, analysis and practice of skills, techniques and fundamental concepts associated with team activities.
1804 **Aerobic and Strength Activities (2)** 1 hr. lecture; 2 hrs. lab. For kinesiology majors. Major concepts of aerobic and strength training including safety, technique, age appropriate activities, and training principles.
1999 **Special Topics (1)** May be taken for a max. of 4 sem. hrs. credit when topics vary. 3 hrs. lab. Identification, analysis, and practice of skills and techniques fundamental to sports; rules, strategies, and appropriate safety procedures.
2500 **Human Anatomy (3)** Micro and macroscopic study of the human body.
2501 **History and Philosophy of Kinesiology (3)** Developments in kinesiology and health from ancient times to the present.
2502 **Practicum in Sports Studies (3)** Prereq.: For students minoring in sports studies. Pass-fail grading. Observation and practical application in a sport or sport-related setting. Students work in a professional capacity under the guidance of an on-site coordinator.
2503 **Basic Athletic Training (2)** 1 hr. lecture; 2 hrs. lab. Athletic training room procedure; first aid treatment of injuries; use of athletic training room equipment; protective strapping; padding for all sports.
2504 **Principles of Conditioning (3)** 2 hrs. lecture; 2 hrs. lab. Methods and concepts of training and conditioning; physical fitness activities and current trends; participation in a fitness training lab including fitness assessments and training methods designed to promote fitness; planning physical fitness programs for community and commercial organizations, education institutions, and social agencies.
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2505 Orthopedic Injury Evaluation Techniques I (3) Prereq.: BIOL 1201, 1208; KIN 2503; or permission of instructor. 2 hrs. lecture; 2 hrs. lab. For students in the professional phase of the Athletic Training area of concentration. Specialized course in the initial on-field and clinical evaluation of orthopedic injuries and conditions of the lower extremities and the spine, including emergency care procedures and signs/symptoms/treatment of various injuries/conditions.

2506 Orthopedic Injury Evaluation Techniques II (3) Prereq.: BIOL 1202, 1209; KIN 2503, 2505; or permission of instructor. For students in the professional phase of the Athletic Training area of concentration. Specialized course in the initial on-field and clinical evaluation of orthopedic injuries and conditions of the upper extremities, cervical spine, head, and face; including emergency care procedures and signs/symptoms/treatment of various injuries/conditions.

2507 Methods and Materials in Physical Education for the Elementary School (4) 2 hrs. lecture; 4 hrs. lab. For elementary teachers. Progressively graded programs of activities for elementary schools.

2509 Medical Terminology for Kinesiology (3) Majors only or permission of instructor. In-depth introduction to medical terminology, with a focus on body systems, medical specialties, and medical communication.

2510 Introduction to Sport and Leisure Administration (3) Introduction to the academic and professional field of sport administration.

2511 Sports Officiating (2) Prereq.: proficiency in sports indicated. 1 hr. lecture; 2 hrs. lab. Rules interpretation and techniques of officiating basketball, volleyball, and softball.

2512 K-12 Classroom Management and Organization (3) 2 hrs. lecture; 2 hrs. lab. Classroom and behavior management strategies for used in educational settings.

2515 The Coaching of Track and Field (2) 1 hr. lecture; 2 hrs. lab. Principles and techniques of coaching track and field; organization and administration of practice and various levels of competition.

2516 The Coaching of Basketball (2) 1 hr. lecture; 2 hrs. lab. Principles and techniques of coaching basketball; organization and administration of practice and various levels of competition.

2517 The Coaching of Baseball/Softball (2) 1 hr. lecture; 2 hrs. lab. Techniques of coaching baseball/softball; organization and administration of practice and various levels of competition.

2518 The Coaching of Volleyball (2) 1 hr. lecture; 2 hrs. lab. Techniques of coaching volleyball; organization and administration of practice and various levels of competition.

2519 The Coaching of Football (2) Prereq.: 1 hr. lecture; 2 hrs. lab. Techniques of coaching football; organization and administration of practice and various levels of competition.

2525 Practicum in the Coaching of Individual and Team Sports (1-3) 3-9 hrs. lab. May be taken for credit when sports vary.

2526 Psychology of Coaching (3) Psychological perspectives applied to the athletic situation; coaching personalities, athletic personalities, psychological injuries, motivation, mental preparation, relaxation techniques, and stereotypes in athletics.

2530 Sport in Society (3) Interdisciplinary study of sport as a mirror of society reflecting the dynamics of human social existence; emphasizes process through which individuals formulate their identity from youth to old age.

2540 Introducing Physical Education for Individuals with Disabilities (3) Principles and practices of physical activity opportunities for people with disabilities; laws affecting those with disabilities; motor abilities of individuals with disabilities; adjusting programs to suit the needs and interests of these individuals.

2577 Health and Physical Education for the Elementary School (4) 3 hrs. lecture; 2 hrs. lab. Basic principles and concepts of a healthy lifestyle; nutrition, fitness, exercise; study and analysis of movement.

2600 Human Sexuality (3) Historical, semantic, religious, social, medical, and comparative cultural aspects of human sexuality from childhood to senility.

2601 First Aid (1) 1 hr. lecture; 1 hr. lab.

2602 Methods, Materials, and Content in Health Education for the Elementary School (3) Theoretical foundations, essential content and pedagogical practices for K-8 Health Education.

2603 Consumer Health (3) Major consumer health problems; selecting, purchasing, and financing health services and products.

2604 Issues in Mental Health (3) Issues in mental health; stress, depression, alienation, family violence, suicide, death and dying.

2900 Independent Study (1-3) Prereq.: Permission of instructor. May be taken for a max. of 6 sem. hrs. of credit. Reading, research or field work on selected topics.

2999 Internship in Leisure, Recreation and Sport (6) Prereq.: Permission of instructor and concurrent enrollment in KIN 2900. Pass/fail grading. Credit will not be given for both this course and KIN 2502. Gaining first hand knowledge and practical hands-on experience in recreational or sport settings.

3500 Human Anatomy Laboratory (1) Prereq.: KIN 2500 or consent of instructor. 2 hrs. lab. Computer based study. Interactive software of the human body; gross anatomy with emphasis on muscle, bone, nerve, and blood vessels.

3501 Advanced Athletic Training (3) Prereq.: KIN 2503. 2 hrs. lecture; 2 hrs. lab. Advanced topics in athletic training; advanced taping techniques; emergency care protocols including spine boarding, crutch fitting, and splinting; proper use and indications of therapeutic modalities.

3502 Tests and Measurements in Kinesiology (3) 2 hrs. lecture; 2 hrs. lab. Principles of measurement and evaluation in kinesiology and health; emphasis on criteria for selection and evaluation of tests and techniques of testing; analyzing and interpreting motor performance and cognitive test scores.

3505 Practicum in Athletic Training (1) Prereq.: KIN 2503. 2 hrs. clinic/practicum. May be taken for a max. of 6 sem. hrs. credit.

3507 The Olympic Games: Ancient and Modern (3) Origins, growth, politicalization, and governance of the games.

3508 Organization and Administration in Athletic Training (3) Limited to students in the athletic training certification concentration. Organization and administration of an Athletic Training Program including budget, facilities, equipment, insurance, legal aspects, records, employment, personnel, and structure of the National Athletic Trainer's Association.

3509 Therapeutic Exercise and Rehabilitation in Athletic Training (3) Prereq.: KIN 2505, 2506; or permission of instructor. 2 hrs. lecture; 2 hrs. lab. For students in the Athletic Training area of concentration. Basic components of designing and implementing physical rehabilitation programs; rationale use and application of therapeutic exercise techniques in injury rehabilitation.

3510 Techniques and Methods of Teaching Physical Education (3) Prereq.: KIN 2504 and competency in four activities. Concurrent enrollment in KIN 3516. Education majors only. 2 hrs. lecture; 3 hrs. lab. Microteaching and field experience required. Current teaching methods and materials in physical education; teaching styles, aids, and formulation of lesson and unit plans.

3511 The Physical Education Program in Elementary Schools (3) 2 hrs. lecture; 2 hrs. lab/field experiences in multicultural settings. For kinesiology majors or minors. Must be taken concurrently with KIN 3516. Students must be enrolled in the College of Education. Progressively graded programs of activities.

3512 Therapeutic Modalities (3) Limited to students enrolled in the athletic training area of concentration or by permission of instructor. Cognitive, psychomotor, and affective skills for therapeutic modalities in treatment of athletic injuries; topics include principles of tissue trauma, wound healing, pain mechanism, thermal modalities, mechanical modalities, and electromagnetic modalities.

3513 Introduction to Motor Learning (3) Motor skills learning principles that can be applied to instructional and rehabilitation situations; psychological and physiological characteristics that influence skill learning; behavioral changes related to the stages of skill learning; the influence of various types of practice conditions on skill learning.

3514 Biomechanical Basis of Kinesiology (3) Prereq.: MATH 1022, KIN 2500, PHYS 2001 or equivalent. Education majors only. Anatomical and mechanical analysis of human movement; emphasis on structure and function of bone and muscle, statics, dynamics, kinematics, kinetics, and projectile motion.

3515 The Physiological Basis of Activity (3) Prereq.: KIN 2500, 2504; BIOL 2160. Basic physiological concepts of the muscular, metabolic, cardiovascular, and circulorespiratory systems; behavior of each system in relation to exercise; determination of normal and abnormal physical responses to exercise; development of a philosophy of scientific inquiry.

3516 Curriculum Construction in Physical Education (3) Concurrent enrollment in KIN 3510 or 3511. Education majors only. Curriculum construction and program content for elementary and secondary schools.

3517 Neuromotor Control of Human Movement (3) Prereq.: KIN 2500. Muscle dynamics; sensory and motor neural pathways; subcortical reflexes; supraspinal mechanisms; behavioral issues.

3518 Classroom Culture in Physical Education (3) Prereq.: KIN 2512. 2 hrs. lecture; 2 hrs. lab. Learning processes of students in the social learning environment of the physical education classroom. Focus will be on individual and group motivation, social interaction, integration of technology, and classroom management.

3519 Cadaver Prosection (1) Prereq.: KIN 2500, for Kinesiology majors or consent of instructor. Active review of human anatomical structures using cadaveric tissues.

3525 Laboratory Techniques in Exercise Physiology (1) Prereq.: credit or registration in KIN 3515. 2 hrs. lab. Laboratory sessions examining the physiological effect of different types of exercise on the functions of the human body.

3534 Scientific Basis for Exercise (3) Prereq.: KIN 3515. Two hrs. lecture; 2 hrs. lab. Historical development of chronic disease risk factors; contraindications and valid uses of exercise prescription.

3535 Exercise Testing and Prescription (3) Prereq.: KIN 3525, 3534. 2 hrs. lecture; 2 hrs. lab. For students in the fitness studies concentration. Theory and practice of fitness testing, exercise prescription, health promotion, and related concerns.

3540 Mild/Moderate Impairment and Physical Activity (3) Prereq.: EDCI 2700 and KIN 2540. Substantial observation in schools required. Focus on individuals who exhibit mild/moderate developmental disabilities including intellectual disabilities; learning disabilities; behavioral disabilities; behavioral disorders; and mild/moderate physical, sensory, and health disabilities.

3541 Severe Disabilities and Physical Activity (3) Prereq.: EDCI 2700 and KIN 2540. Substantial observations in schools required. Focus on individuals with severe intellectual, behavioral, physical, and sensory disabilities.

3545 Individuals with Disabilities in Physical Activity Programs (3) Prereq.: EDCI 2700. Credit will not be given for both this course and KIN 2540. Not open to kinesiology majors in the health and physical education concentration. Movement skills of individuals with disabilities; curriculum implementation specified in federal and state legislation.

3602 Instructor's Course in First Aid (2) 1 hr. lecture; 2 hrs. lab. For persons qualifying to teach the junior and standard Red Cross courses in aid to the injured.

3603 Organization of the School Health Program (3) Prereq.: KIN 1600. Organization of school health programs involving health services, healthful school living, school environment, school health administration, and evaluation of school health programs.

3604 Methods of Teaching Secondary Health Education (3) Prereq.: KIN 1600. 2 hrs. lecture; 2 hrs. field experiences in multicultural settings. Structure of school health education and its relationship to official and voluntary health agencies and to professional associations; modern health resources suitable for teaching health.

3605 Health and the Aging Process (3) Health conservation of human resources; emphasis on understanding attitudes and practices related to health in the aging process.

3608 Communicable and Noncommunicable Diseases (3) Etiology, prophylaxis, and control of communicable and noncommunicable diseases and impairments; cancer, diabetes, and cardiovascular, respiratory, and sexually transmitted diseases.

3609 Methods of Teaching Wellness Education (3) Prereq.: KIN 2512. 2 hrs. lecture; 2 hrs. lab. Requisite knowledge and skills for successful teaching of wellness education in K-12 settings.

3660 The Holistic Health Approach to Stress (3) Sources of stress; evaluation of stress-related diseases; techniques for promoting stress reduction; prevention of stress-related diseases.

3800 Ethical and Legal Issues in Sport (3) Introduction to basic ethical and legal principles required to successfully address managerial situations that arise in sport industry settings; ethical concepts and theories that provide the foundation for the rendering of comprehensive decisions, including but not limited to issues involving Title IX, the use of drugs, antitrust, labor, intellectual property, and religion.

3801 Sport Strategies and Planning (3) Principles and procedures involved with strategies and planning of professional and intercollegiate athletics.

3802 Program and Event Management (3) Basic concepts pertaining to the production of amateur, professional, and recreational sporting events.

3804 Financial Issues in Sport (3) Prereq.: ACCT 2000; credit will not be given for this course and FIN 3715. Application of sound financial concepts in sport management and sport operation.

4500 Adapted Physical Activity Programs (3) 2 hrs. lecture; 2 hrs. lab. Preparation for teaching special activities to individuals with disabilities; organization and administration of physical activity programs.

4501 Special Topics in Kinesiology (3) May be repeated for a max. of 6 sem. hrs. of credit when topics vary. For students interested in additional study in specific aspects of kinesiology.

4505 Practicum in Human Movement Science (3) Prereq.: enrollment in the College of Education; senior standing; KIN 2500, 3513, 3514. 6 hrs. lab. Pass/fail grading. May be taken for a max. of 6 sem. hrs. of credit. Observation and practice of skills, techniques, and protocols of patient care within local clinics, hospitals, skill nursing facilities, development disability centers, and private practices.

4509 Sports Supplements (3) Introduction to federal regulations which enable supplements to be marketed; methods used to evaluate the benefits of supplements and processes used to analyze specific supplements used in sports.

4510 Knowledge Structure Approach to Skills Analysis (3) Prereq.: physical education cohort membership or consent of instructor. Analyses of the skills and subskills of selected team, dual, and individual movement activities.

4512 Lifespan Motor Development (3) Analysis of changes in motor behavior from infancy to older adulthood; current theoretical perspectives; current issues; correlates of motor development.

4513 Facilities Management (3) Preventive maintenance, facility planning, event administration, box office management, house and ground management, systems management, marketing, finance and personnel administration.

4514 Quantitative Analysis of Human Movement (3) Prereq.: KIN 3514 or equivalent. Theory and application of kinematic, kinetic, and electromyographic data acquisition and analysis in the study of human movement as it relates to performing motor skills.

4515 Sports Seminar (3) Trends and issues related to the development and maintenance of athletic abilities in a variety of sports.

4517 Sports Administration (3) Policies and practices in the administration of athletic programs in academic settings.

4519 Cadaver Dissection (3) Prereq.: KIN 2500, for Kinesiology majors or consent of instructor. Active dissection of human cadavers.

4520 Psychosocial Aspects of Physical Activity (3) Prereq.: senior or graduate standing. Psychological and sociological perspectives of physical activity; theories and research related to sport and exercise behavior; and psychological factors that influence involvement and performance in physical activity settings.

4525 Human Anatomy and Functional Impairment (3) Prereq.: KIN 2500, 3500, or consent of instructor. Anatomy of selected systems and the mechanisms and effects of impairment.

4538 Practicum in Applied Fitness (6) Prereq.: KIN 3534, 3535. 12 hrs. lab. For kinesiology majors. Pass-fail grading. Practical application of exercise testing, exercise prescription, and leadership.

4540 The Physical Education Curriculum for Children with Disabilities (3) Prereq.: KIN 3540 and 3541. Curriculum needs, implementation, and evaluation, using the Louisiana State Regulations and P. E. Needs Assessment.

4550 Reflective Teaching in Health and Physical Education (3) Prereq.: physical education cohort membership or consent of instructor. Critical issues and pedagogical practices of the reflective teacher in health and physical education.

4600 The School Health Program (3) Problems involved in promoting health of school children; prevention of and protection against infectious diseases; physical inspection and examination; health instruction; provision of a wholesome environment.

4601 Community Health Issues (3) Community health aspects and implications of tobacco, alcohol, drugs, venereal disease and other communicable diseases; other community health problems.

4602 Community Safety Education (3) Covers all grade levels in the school health program; community programs; home, traffic, and recreational safety; emphasis on organization and administration of these programs.

4605 Habituating and Addictive Drugs in Our Culture (3) Prereq.: KIN 1600 and senior or graduate standing. Harmless, harmful, useful, and useless chemical substances that affect physiological well-being and behavior or mood; interaction of psychological, sociological, and physiological components.

4606 Introduction to Health Promotion (3) Prereq.: PSYC 2000, junior standing. Recommended: PSYC 3083. Psychological and behavioral perspectives of health promotion; theories and research related to health behavior change; analysis of effective interventions designed to promote health behavior change.

4800 African Americans in Sport (3) African American experiences in sport, including a survey of the history of African Americans in sport and its larger effect on African American culture in general; introduction to the historical, sociological, economic, psychological, anatomical, and physiological aspects of sport unique to African Americans.

4835 Practicum in Sport and Leisure Administration (6) Prereq.: Sport Administration majors only; students should be within two semesters of completing degree requirements or obtain permission of the department. Pass-fail grading. Practical applications of administrative techniques in a sport, leisure, or sport-related setting.

4900 Independent Study (1-3) May be taken for a max. of 6 sem. hrs. of credit. Open to advanced undergraduate or graduate students. Reading, research, and/or field work on selected topics.

7500 Practicum in Sport Management (3,6,9) Prereq.: a minimum of 21 sem. hrs. from the sport management MS program, a letter of agreement from prospective on-site supervisor, and consent of faculty advisor. Practical application of management techniques in a sport or sport-related setting; students work in a professional capacity for 10-30 hrs. per week during the semester under the guidance of the on-site supervisor.

7501 Advanced Research Methods (3) Analysis of multivariate research methods and statistical analysis used in kinesiology research.

7502 Curriculum Construction in Physical Education (3) Contemporary educational trends in curriculum theory, issues, philosophical orientation, and models derived from research and experience.

7503 Dimensions of Aging (3) Focus on physical, cognitive, and emotional aspects of biological aging; role of physical activity and lifestyle issues and their interaction with chronological aging and functional ability.

7504 Tests and Measurements in Kinesiology (3) Measurement theory applied to testing in educational, fitness, and other kinesiology settings.

7505 Problems in Kinesiology (3) May be taken for a max. of 6 hrs. of credit when topics vary. Individual study.

7507 Historical and Philosophical Foundations of Kinesiology (3)

7508 Analysis of Human Movement (3) Mechanisms involved in the production of human movement and the techniques available for scientific analysis of such movement.

7510 Motor Learning (3) Cognitive and motor processes influencing the learning of motor skills; emphasis on assessing learning, changes during learning, attention, augmented feedback, transfer of learning, and practice conditions, with implications for a variety of skill instruction and rehabilitation contexts.

7511 Administrative Problems in Kinesiology (3) Organization and management theory and techniques for administration of programs in educational and fitness settings.

7512 Motor Control (3) Prereq.: consent of instructor. Neurophysiological and behavioral issues in control of human movement; emphasis on contrast between ecological and constructionist approaches.

7513 Seminar in Physical Education Professional Preparation (3) Issues and trends in physical education; emphasis on undergraduate and graduate professional preparation.

7514 Pedagogy in Physical Education (3) Prereq.: KIN 7502 and admission to the doctoral program. Theory and research relating to systematized instruction in physical education.

7515 Theories of Achievement Motivation in Physical Activity (3) Theories of achievement motivation as they apply in a variety of physical activity settings including motor skill acquisition, sport, exercise behavior, and rehabilitation.

7517 Advanced Topics in Motor Control (3) Prereq.: KIN 7512 or consent of instructor. May be repeated for a max. of 6 sem. hrs. when topics vary. Selected topics linking advanced motor control topics across disciplines, medicine and research.

7518 Social Issues in Sport (3) Examination of the social construction of sport and the systemic issues connected to contemporary sport.

7520 Motor Development (3) 2 hrs. lecture; 2 hrs. lab. Psychomotor development of children; implications for skill learning; analyzing and planning motor development research; motor development in special children; research on youth sports; evaluation and assessment; and perceptual-motor development.

7521 Laboratory Techniques in Motor Behavior (3) Prereq.: KIN 7508 or equivalent and consent of instructor. 2 hrs. lecture; 2 hrs. lab. Techniques and equipment used in motor behavior and biomechanics labs; data acquisition and processing techniques; hardware and software associated with computerized data acquisition and processing; timing equipment; force measuring instrumentation; motion analysis equipment; electromyography.

7522 Physical Education for Preschool and Elementary School Children (3) Essentials for a successful movement program for children at the preschool and elementary school level; philosophy, objectives, trends, teaching methods, and materials necessary for program development.

7523 Theories of Motor Skill Acquisition (3) Prereq.: KIN 7510 and 7520. For PhD students in motor learning or motor development. Issues in motor control and learning, i.e., central and peripheral mechanisms, theories of motor learning, motor programs, and short-term memory.

7525 Children and Sport (3) Open to graduate students from any area. Children's involvement in organized sports; understanding of the present structure of youth sports; research in child development, training, injuries, social psychology, skill acquisition, and coaching behavior; implications for children in sport.

7527 Seminar: Developmental Factors in Children's Motor-Skill Learning (3) Prereq.: KIN 7510 and 7520; or equivalent. For doctoral students only. Developmental learning theory and literature; effects of developmental factors on children's motor performance and learning.

7528 Sport Psychology (3) Problems of several areas of social psychology related to sport; research methodology and theories.

7530 Exercise Physiology (3) 2 hrs. lecture; 2 hrs. lab. Physical, chemical, and environmental factors influencing physical performance; bioenergetics, cardiovascular and respiratory adjustments to exercise; research relevant to conditioning and physiological responses to exercise.

7531 Structural and Functional Characteristics of the Developing Child (3) 2 hrs. lecture; 2 hrs. lab. Structural changes of growth of prepubertal and pubertal children related to function in physical activity.

7533 Exercise Testing in Health and Disease (3) Prereq.: KIN 7530. 1 hr. seminar; 4 hrs. lab. Theory and practicum in evaluating fitness, prescribing exercise, and planning and supervising group programs for adults.

7534 Exercise in Health and Disease (3) Contraindications and valid uses of exercise in mediating risk factors.

7535 Neuromuscular Aspects of Exercise (3) Prereq.: KIN 7530. Effects of exercise on muscle cell structure and function; neuromuscular integration and neural function in exercise.

7536 Cardiovascular and Respiratory Function in Exercise (3) Prereq.: KIN 7530. 2 hrs. lecture; 2 hrs. lab. Mechanics of cardiovascular and respiratory function related to exercise.

7537 Exercise and Environment (3) Prereq.: KIN 7530. 2 hrs. lecture; 2 hrs. lab. Effects of environmental conditions on performance of various types of exercise.

7538 Practicum in Cardiac Rehabilitation (6) Prereq.: KIN 7530, 7533, 7534, 7551. Pass-fail grading. Minimum on-site requirement is 20 hours per week. Important for exercise specialist, exercise leader, or graded exercise technician certification. Involvement in the practical application of exercise testing, exercise prescription and exercise leadership for cardiac patients.

7539 Laboratory Techniques in Exercise Physiology (3) Prereq.: KIN 7530; 1 hr. lecture, 4 hrs. lab; exercise physiology and college chemistry recommended. Laboratory techniques in exercise physiology; principles of metabolic measurement and assay procedures for quantification of dynamic changes in blood chemistry during exercise.

7540 Motor Abilities of Individuals with Disabilities (3) Prereq.: KIN 4500 or 4540 or equivalent. Structure of gross and fine motor abilities of individuals with disabilities; assessment of movement skills and physical fitness for individuals with disabilities.

7541 Motor Activity Programming for Individuals with Disabilities (3) Prereq.: KIN 7540. Motor activity programs developed from empirical research studies compared to those of an intuitive basis; planning for inclusive settings; implications of federal and state regulations.

7542 Program Approaches for Adapted Physical Activity (3) Prereq.: KIN 7541. Open only to doctoral students. Survey of approaches and strategies for promoting physical activity and healthy lifestyles for individuals with disabilities.

7550 Advanced Exercise Physiology (3) Prereq.: KIN 7530; 2 hrs. lecture; 2 hrs. lab; college chemistry, mathematics, physics recommended. Quantitative approach to both systematic and cellular control during exercise.

7551 Exercise Electrocardiography: Principles and Practice (3) Prereq.: KIN 7530 or consent of instructor. Physiological bases, practical considerations, and rhythm identification of resting and exercise electrocardiograms.

7560 Fall Practicum in Health and Physical Education (5) Prereq.: physical education cohort membership or consent of instructor. 1 hr. lecture; 8 hrs. lab. Pass-fail grading. First teaching practicum in local schools.

7561 Spring Practicum in Health and Physical Education (5) Prereq.: physical education cohort membership or consent of instructor. 1 hr. lecture; 8 hrs. lab. Pass-fail grading. Second teaching practicum in local schools.

7570 Critical Issues in Teaching Health and Physical Education (3) Prereq.: physical education cohort membership or consent of instructor. Critical theory and research related to pedagogical practices in health and physical education.

7575 The Teacher-Researcher in Health and Physical Education (3) Prereq.: physical education cohort membership or consent of instructor. Analysis of teacher-researcher literature; its application to teaching health and physical education.

7580 Research Project in Health and Physical Education (3) Prereq.: physical education cohort membership and completion of KIN 7560 and 7561 or consent of instructor. 2 hrs. lecture; 2 hrs. lab. Development, completion, and presentation of a research problem in teaching health and physical education that grows out of fifth-year clinical experiences and course work.

7601 Changing Health Behavior (3) Motivation and determinants of health behavior; behavior change strategies designed for utilization in individual and group health education programs; promoting innovative health education programs in schools and the community.

7620 Epidemiological Approach to Community Health (3) Prereq.: EXST 4001 or equivalent. Vital health statistics via the disease model and its determinants; community organization and program development related to community health education, both qualitatively and quantitatively.

7900 Introduction to Research Methods (3)

7999 Seminar in Selected Topics in Kinesiology (1-3) May be taken for a max. of 6 sem. hrs. credit. Topics vary.

8000 Thesis Research (1-12 per sem.) "S"/"U" grading.

8900 Independent Research (1-9) May be taken for a max. of 9 sem. hrs. credit. Pass-fail grading.

9000 Dissertation Research (1-12 per sem.) "S"/"U" grading.

LANDSCAPE ARCHITECTURE • LA

General education courses are marked with stars (★).

- 1101 Landscape Representation I (3)** 6 hrs. studio. Freehand and mechanical representation and observational skills used in design conceptualization; emphasis on the development of a vocabulary, basic skills, and techniques of landscape architecture representation.
- 1102 Landscape Representation II (3)** Prereq.: LA 1101. 6 hrs. studio. Developing skills in computer-aided visualization and illustrative documentation of landscapes; introduction to digital imaging, drafting, and photo manipulation.
- ★ **1201 Introduction to Landscape Architecture (3)** Introduction to the profession of landscape architecture for non-majors; overview of professional concerns and responsibilities; awareness of natural and planned landscapes, as well as, the importance of using land in an efficient and attractive manner.
- 1202 World Landscape Architecture (3)** Exploration of contemporary landscape design from around the world, including historic landscapes and gardens; urban plazas, and pedestrian areas; parks and infrastructure.
- ★ **1203 Views of the American Landscape (3)** Concepts, patterns, and themes that shape human attitudes and activities concerning the American landscape; natural systems as links between managed landscapes and built environments; environmental and conservation ethics.
- 1204 Cities of the World (3)** Exploration of the physical, social, and environmental factors which contribute to the development of cities from historical to contemporary perspective.
- 1205 Landscapes for Recreation and Tourism (3)** Development and use of landscapes for recreation and tourism; interrelationships of cultural and natural influences.
- 2001 Landscape Design I (6)** Prereq.: LA 1102. Consent of school director. 12 hrs. studio. Introduction to two- and three-dimensional design; spatial sequence, meaning, and dynamic change; application to a simple design.
- 2002 Landscape Design II: Site Design (6)** Prereq.: LA 2001 or equivalent. 12 hrs. studio. Development of landscape design processes as applied to small-scale projects; introduction of earth structures, construction materials, and plants.
- 2101 Landscape Representation III (3)** Prereq.: LA 1101 and 1102. 6 hrs. studio. Advanced representation techniques developing skills of visualization and representation using freehand, mechanical, and digital imaging in design projects.
- 2201 Landscape History I (3)** Development of earliest landscape traditions; relationship of humans to landscape in major cultural areas of the ancient world; development of landscape traditions in western Europe and America from the 15th to 19th centuries.
- 2301 Landscape Technology I: Land Design (3)** Prereq.: MATH 1021 and 1022 or equivalent; and LA 1102 or equivalent; consent of instructor. 2 hrs. lecture; 2 hrs. studio. Introduction to basic surveying for landscape architects; surveying systems and legal land descriptions; introduction to landscape architectural construction systems and the relationship among landform/earth, plants, and structures, topographic mapping conventions, grading design, drainage and water management, roadway design and alignment.
- 2401 Landscape Ecology (3)** Prereq.: GEOG 2051 and RNR 1001 or equivalent. Class includes field trips. Application of ecological principles and relationships to resource, recreation, and landscape planning, with attention to conservation ethics and legal regulations leading to sustainability of the landscape.
- 3001 Landscape Design III: Site Planning and Design (6)** Prereq.: LA 2002 and 2101 and 2201 or equivalent. 12 hrs. studio. Required field trip. Students are responsible for paying travel expenses associated with the course. Arrangement of buildings, circulation, and other landscape design elements; emphasis on earthwork and drainage.
- 3002 Landscape Design IV: Community Design (6)** Prereq.: LA 2101 and 3001. 12 hrs. studio. Landscape planning and design at the community and neighborhood scale; emphasis on relationships of uses, transportation infrastructure, green infrastructure, public services, and a mix of housing and commercial types.
- 3201 Landscape History II (3)** Prereq.: LA 2201. Major landscape movements in the 19th and 20th centuries; theory and aspects of contemporary practice of landscape architecture.
- 3301 Landscape Technology II: Grading, Drainage, and Roads (3)** Prereq.: LA 2301 or equivalent; consent of instructor. 2 hrs. lecture; 2 hrs. studio. Advanced grading and drainage with emphasis on aesthetic aspects of grading and best management practices and sustainability, landscape architectural systems and infrastructures including advanced roadway design and alignment.
- 3302 Landscape Technology III: Design Detailing (3)** Prereq.: LA 3301 or equivalent; consent of instructor. 2 hrs. lecture; 2 hrs. studio. Relationship between design and implementation through construction processes, detailing as an extension of design, landscape architectural materials, basic structural theory, detailing and structures, technical specifications as a means of enuring design intent.
- 3401 Plant Materials I (3)** Prereq.: LA 2401 for undergraduate students. 1 hr. lecture; 4 hrs. lab. Identification and study of plant materials with specific recognition of the visual and ecological characteristics of plants used in landscape design.
- 3402 Plant Materials II (3)** Prereq.: LA 3401. 1 hr. lecture; 4 hrs. lab. Continuation of LA 3401 with the inclusion of basic principles of planting design.
- 4001 Landscape Design: Landscape Planning and Development V (6)** Prereq.: LA 3002 and 3302. 12 hrs. studio. Landscape planning and design from the regional to the site development scale; emphasis on generating planning and design strategies for urbanization and development that are informed by an understanding of the ecology and culture of the region, and based on principles of sustainability.
- 4002 Landscape Design VI: Specialization (6)** Prereq.: LA 4001. 12 hrs. studio. Required field trip. Students are responsible for paying travel expenses associated with the course. Studio projects addressing various aspects of landscape architecture.
- 4101 Advanced Digital Representation (3)** Prereq.: LA 1102, 2101, or equivalent. Advanced techniques in digital representation, such as 3-D modeling, terrain modeling, animation, advanced imaging, and rendering.
- 4201 Theory and Methods of Landscape Planning (3)** 2 hrs. lecture; 2 hrs. lab. Principal theoretical literature in landscape analysis and planning; application of theories and methods; basic skills in the use of GIS, global positioning systems (GPS), and remote sensing/image processing technology.
- 4203 Reading the Louisiana Landscape (3)** Advanced seminar exploring the use of diverse sources to research and understand regional landscapes and apply these finding to project-based work.
- 4204 Planning Disaster Resilient Communities (3)** Theory and methods of planning disaster resilient communities considering hurricanes, earthquakes, cyclones, tsunamis, and landslides chiefly in regions located near low-lying coastal areas and countries bordering the Pacific Rim.
- 4301 Landscape Technology IV: Specialization (3)** Prereq.: LA 3302 or equivalent. 2 hrs. lecture; 2 hrs. studio. Specialty topics in landscape architecture construction and design implementation.
- 4501 Field Studies in Landscape Architecture (1-3)** May be taken for a max. of 6 hrs. of credit. Elective field trip. Students are responsible for paying travel expenses associated with this course. Field trip to landscape architectural office, projects, historic sites, and schools throughout the U.S. and abroad.
- 4502 Independent Study in Landscape Architecture (3)** Prereq.: consent of School director. Independent study proposals must be pre-approved by the supervising faculty member. Program of individual study under faculty guidance, including auditing lectures, reading, and exercises as needed to develop skills in methods of inquiry related to the area of specialty.
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