**DEPARTMENT OF KINESIOLOGY**

**POSSIBLE CAREER PATHS**

**ATHLETIC TRAINING MAJOR***

- Sports Medicine Clinics
- Sports Clubs
- High Schools
- Colleges & Universities
- Professional & Semi-Professional Teams
- Rehabilitation Centers

Graduate School Programs:
- Exercise Physiology
- Biomechanics
- Motor Control
- Sport History
- Sport Philosophy
- Sport Psychology
- Sports Management/Administration
- Athletic Training

**MOVEMENT SCIENCE OPTION**

Grad School—Medical Specialties:
- Physical Therapy
- Occupational Therapy
- Medicine
- Chiropractic Medicine
- Physician Assistant
- Cardiac Rehabilitation
- Podiatry
- Orthotics/Prosthetics
- 2nd Degree Nursing

Graduate School—Related Fields:
- Exercise Physiology
- Biomechanics
- Motor Control
- Sport History
- Sport Philosophy
- Sport Psychology

**APPLIED EXERCISE AND HEALTH OPTION**

- K-12 HPE Certification
- Teach in K-12 Public or Private Schools
- Coach Youth, Interscholastic, Intercollegiate, Sports Performance
- Athletic Programming
- Health Education
- Wellness
- Programs/Coordinator
- Fitness Clubs/Gyms
- Parks and Recreation Coordinator
- Youth Fitness Programs
- Community Wellness Programs/Director
- Military Bases
- Corporate Wellness and Private Business Wellness
- Health Promotion
- Public Health

**ALLIED HEALTH MEDICAL SPECIALTIES**

Grad School—Medical Specialties:
- Physical Therapy
- Occupational Therapy
- Medicine
- Chiropractic Medicine
- Physician Assistant
- Cardiac Rehabilitation
- Podiatry
- Orthotics/Prosthetics
- 2nd Degree Nursing

Graduate School—Related Fields:
- Exercise Physiology
- Biomechanics
- Motor Control
- Sport History
- Sport Philosophy
- Sport Psychology

*Athletic Training is a major housed within the Department of Kinesiology*
KINESIOLOGY CORE COURSES

KINES 100  The Cultural and Behavioral Foundations of Kinesiology (3) Philosophical, ethical, historical, cultural, psychological, and behavioral foundations of human movement, health, wellness and exercise. Effective Date: Summer 2015

or

KINES 141 (US;IL) The Socio-Cultural Dynamics of Kinesiology (3) Evolution of cultural values in physical activity from antiquity to the present. Effective: Spring 2014

KINES 101 The Biophysical Foundations of Kinesiology (3) Biomechanical, physiological, and neurobiological foundations of human movement and exercise, including applications to clinical conditions, rehabilitation, and fitness are presented. Effective: Summer 2015

or

KINES 180 Introduction to Kinesiology (3) The foundation course of the Kinesiology degree, providing an interdisciplinary approach to the study of movement through problem based learning. Effective: Summer 2003 (KINES 197A)

KINES 202 Functional Human Anatomy (4) In-depth examination of the, musculoskeletal, nervous, cardiovascular, and respiratory systems, and their relationship to human movement. Effective: Spring 2004

KINES 321 Psychology of Movement Behavior (3) Basic concepts and application of psychological knowledge for organized sport, physical activity, and athletic training. Effective: Spring 2015

Prerequisite: Students must have a C or better in: Kines 101 or KINES 180

KINES 341 (US;IL) The Historical, Cultural, and Social Dynamics of Sport (3) Connections between sport and broader historical, cultural, social, political, intellectual, and economic contexts. Effective: Spring 2016

Prerequisite: Students must have a C or better in: KINES 100 or KINES 141

KINES 345 Meaning, Ethics, and Movement (3) Development of philosophic reasoning skills to better understand the values of physical activity and ethics in a variety of performance settings. Effective: Spring 2015

Prerequisite: Students must have a C or better in: KINES 100 or KINES 141

KINES 350 Exercise Physiology (3) Structure and function of the human body as applied to health, wellness, exercise, and sports. Effective: Spring 2015

Prerequisite: Students must have a C or better in: KINES 101 or KINES 180, KINES 202, BIOL 141, CHEM 101 or CHEM 110

KINES 360 The Neurobiology of Motor Control and Development (3) The neurobiological foundations of human movement, with an emphasis on applications in rehabilitation and athletics. Effective: Spring 2015

Prerequisite: Students must have a C or better in: KINES 101 or KINES 180, KINES 202 and BIOL 141

KINES 384 Biomechanics (3) Basic mechanical knowledge required to understand human movement. Effective: Fall 2016 Future: Fall 2016

Prerequisite: Students must have a C or better in: KINES 101 or KINES 180 and KINES 202, PHYS 150 or PHYS 250

College of Health and Human Development
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Department of Kinesiology
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