

# KINESIOLOGY (KIN)

## Kinesiology Courses

### KIN 190 Topics Course in Physical Activity:

1-3 cr. Undergraduate.

Introductory level topics of current interest in health and physical activity. Special course fees may be required depending on topic.

**Prerequisites:** none, except as required for specific topic.

**Course Rules:** Counts as repeat of Spt&Rec 290 & Kin 290 with same topic. May be retaken w/chg in topic.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

### KIN 200 Introduction to Kinesiology

3 cr. Undergraduate.

Introduction to the discipline of kinesiology and its subdisciplines of exercise physiology, motor behavior, biomechanics, and psychology and sociology of physical activity.

**Prerequisites:** none.

**Last Taught:** Fall 2025, Spring 2025, Fall 2024, Spring 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

### KIN 202 Field Work in Kinesiology

1 cr. Undergraduate.

Practical, supervised, service-learning in the field of kinesiology.

**Prerequisites:** Kin 201(C).

**Course Rules:** Counts as repeat of Kin 210.

**Last Taught:** Spring 2011, Fall 2010, Spring 2010, Fall 2009.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

### KIN 208 Experiential Learning in Kinesiology

0-3 cr. Undergraduate.

Students conceptualize, understand, and apply the experiences of their internship. Students will consider the questions, among others: 'What is an internship?', and 'How does my internship connect to my career and to my community?'

**Prerequisites:** consent of instructor.

**Course Rules:** If credit has been earned for the course, it can be retaken, but only as a zero credit option.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

### KIN 220 Anatomical Kinesiology

3 cr. Undergraduate.

Anatomical analysis of the human body including joint actions, anatomical, muscular, and neuromuscular control aspects necessary for movement.

**Prerequisites:** none.

**Course Rules:** Previously KIN 325.

**Last Taught:** Fall 2025, Spring 2025, Fall 2024, Spring 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

### KIN 230 Health Aspects of Exercise and Nutrition

3 cr. Undergraduate.

Examines physical fitness and proper nutrition as lifestyle choices in maintaining optimal health and minimizing health risks.

**Prerequisites:** none.

**Course Rules:** Not open to students with credit in KIN 530, KIN 532, or PRPP 736. KIN 230 and NUTR 230 are jointly offered; they count as repeats of one another.

**General Education Requirements:** Natural Science & Wellness Lab

**Last Taught:** Fall 2025, Summer 2025, Spring 2025, Fall 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

### KIN 255 Women in Sport and Physical Activity

3 cr. Undergraduate.

Introduction theory and research on female participation in sport and physical activity.

**Prerequisites:** soph st or cons instr.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

### KIN 270 Statistics in the Health Professions: Theory and Practice

3 cr. Undergraduate.

Overview of statistical theory and practical application for health professionals. Includes problem solving strategies, descriptive and inferential techniques, and critical evaluation of research design.

**Prerequisites:** completion of GER Quantitative Literacy Part A (QL-A) requirement, or Math Placement Level 30, or a grade of C or higher in any 100-level Math course (excluding MATH 194 or MATH 199) or MATH 111/PHILOS 111.

**General Education Requirements:** Math & Quantitative Reasoning

**Last Taught:** Fall 2025, Spring 2025, Fall 2024, Spring 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

### KIN 290 Special Topics in Human Movement Sciences:

1-3 cr. Undergraduate.

Topics of current interest in kinesiology, health, and fitness. Special course fees may be required depending on course.

**Prerequisites:** specified in semester Schedule whenever required for a topic.

**Course Rules:** May be retaken w/chg in topic.

**Last Taught:** Fall 2022, Fall 2021, Fall 2020, Spring 2020.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

### KIN 296 UROP Research Study:

1-3 cr. Undergraduate.

Undergraduate research participation in a project developed with a supervising faculty member. One credit for 45 hours research.

**Prerequisites:** Acceptance to UROP prior or conc reg in UROP sem; cons instr.

**Course Rules:** May be retaken to 9 cr max in any combination of UROP Research Study courses.

**Last Taught:** Spring 2019, Fall 2017, Fall 2016, Spring 2016.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

### KIN 297 Study Abroad:

1-12 cr. Undergraduate.

Designed to enroll students in UWM sponsored program before course work level, content, and credits are determined and/or in specifically prepared program course work.

**Prerequisites:** acceptance for Study Abroad Prog.

**Course Rules:** May be retaken w/chg in topic.

**Last Taught:** Spring 2025, Spring 2018, Spring 2010, Fall 2009.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

### KIN 298 Independent Projects

1-3 cr. Undergraduate.

Designed for individual and small group research projects under faculty supervision.

**Prerequisites:** writ cons instr.

**Last Taught:** Fall 2021, Spring 2020, Fall 2016, Summer 2016.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 299 Independent Reading**

1-3 cr. Undergraduate.

Designed for individual and small groups in special study. Meetings/nature of study to be arranged with staff/faculty chosen to supervise.

**Prerequisites:** cons instr.

**Last Taught:** Spring 2020, Spring 2019, Fall 2018, Spring 2018.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 300 Professional Preparation Seminar**

1 cr. Undergraduate.

Seminar lecture/discussion to prepare students for internships and other professional opportunities. Topics include goal setting, resume-writing, site selection, interviewing techniques, and professional development.

**Prerequisites:** KIN 200(P).

**Last Taught:** Fall 2025, Spring 2025, Fall 2024, Spring 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 301 Field Experience in Kinesiology - I**

1 cr. Undergraduate.

Science and methods of exercise instruction for leading groups.

**Prerequisites:** admis to Kin major.

**Course Rules:** Counts as repeat of Kin 290 w/same topic.

**Last Taught:** Fall 2017, Spring 2017, Fall 2016.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 302 Field Experience in Kinesiology - II**

1 cr. Undergraduate.

Science and methods of exercise instruction for coaching and training individuals.

**Prerequisites:** admis to Kin major.

**Last Taught:** Spring 2017.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 303 Field Experience in Kinesiology - III**

1 cr. Undergraduate.

Continued exposure to hands-on aspect of the field; prepare students for internship and develop advanced professional skills and conduct.

**Prerequisites:** Kin 302(P); & Kin 325(P), 336(C), 430(C) or cons instr.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 320 Biomechanics**

3 cr. Undergraduate.

Application of physical laws and mechanical principles to human movement.

**Prerequisites:** KIN 220(P) and completion of Quantitative Literacy Competency Part B (QL-B) or Math and Quantitative Reasoning requirement; or consent of instructor.

**Course Rules:** Not open to students with credit in KIN 520.

**Last Taught:** Fall 2025, Spring 2025, Fall 2024, Spring 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 330 Exercise Physiology**

4 cr. Undergraduate.

Study of the physiological responses to exercise and the adaptations to physical training.

**Prerequisites:** KIN 230(P) and completion of Quantitative Literacy Competency Part B (QL-B) or Math and Quantitative Reasoning requirement; or consent of instructor.

**Course Rules:** Not open to students with credit in KIN 530, KIN 532, or KIN 536.

**Last Taught:** Fall 2025, Summer 2025, Spring 2025, Fall 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 335 Exercise Testing: Assessing Physical Fitness**

3 cr. Undergraduate.

Guidelines and methods for administering, interpreting, and communicating health-related physical fitness assessments for individuals. Combines lecture and discussion with hands-on laboratory experience.

**Prerequisites:** KIN 200(P), KIN 230(P), and valid CPR/AED certification.

**Last Taught:** Spring 2025, Spring 2024, Spring 2023, Spring 2022.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 336 Principles of Strength and Conditioning**

3 cr. Undergraduate.

Basic principles necessary to understand the effects of exercise and conditioning on human physiology. Exercise techniques and measures used to assess performance outcome.

**Prerequisites:** KIN 220(325)(P) and KIN 330(P); or consent of instructor.

**Last Taught:** Fall 2025, Fall 2024, Fall 2023, Fall 2022.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 337 Exercise Prescription: Principles of Exercise Program Design**

3 cr. Undergraduate.

Guidelines and methods for designing, implementing, and evaluating exercise programs for individuals. Combines lecture and discussion with hands-on laboratory experience.

**Prerequisites:** KIN 200(P), KIN 220(P), KIN 230(P), and valid CPR/AED certification.

**Last Taught:** Fall 2025, Fall 2024, Fall 2023, Fall 2022.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 350 Psychological Aspects of Sport and Exercise**

3 cr. Undergraduate.

Examines relationships between psychological function and participation in sport and exercise. Topics include motivation, stress, group dynamics, and performance enhancement.

**Prerequisites:** completion of Quantitative Literacy Competency Part B (QL-B) or Math and Quantitative Reasoning requirement; or consent of instructor.

**Course Rules:** Not open to students with credit in KIN 550, KIN 551, or KIN 552.

**Last Taught:** Fall 2025, Spring 2025, Fall 2024, Spring 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 351 Sociological Aspects of Health and Human Movement**

3 cr. Undergraduate.

Introduction to sociology of physical activity. Examination of diversity and social inequality as they relate to health and physical activity.

**Prerequisites:** completion of Quantitative Literacy Competency Part B (QL-B) or Math and Quantitative Reasoning requirement; or consent of instructor.

**Course Rules:** Not open to students with credit in KIN 570.

**Last Taught:** Fall 2025, Spring 2025, Fall 2024, Spring 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 360 Motor Development Across the Lifespan**

3 cr. Undergraduate.

Introduction to gross motor behavior development through the lifespan (neo-natal to senior adult). Growth, maturation, environmental influences, and developmental theories.

**Prerequisites:** completion of Quantitative Literacy Competency Part B (QL-B) or Math and Quantitative Reasoning requirement; or consent of instructor.

**Last Taught:** Fall 2025, Fall 2024, Fall 2023, Fall 2022.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 361 Principles of Motor Learning**

3 cr. Undergraduate.

An overview of the principles of motor skill acquisition emphasizing variables related to the learner and the learning environment.

**Prerequisites:** completion of Quantitative Literacy Competency Part B (QL-B) or Math and Quantitative Reasoning requirement; or consent of instructor.

**Course Rules:** Not open to students with credit in KIN 561.

**Last Taught:** Spring 2025, Spring 2024, Spring 2023, Spring 2022.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 365 Health Aspects of Mind and Body Practices**

3 cr. Undergraduate.

Exploration of the scientific research available on the effectiveness of common mind and body practices and the mechanisms through which these practices affect health.

**Prerequisites:** none.

**Last Taught:** Spring 2025, Spring 2024, Spring 2023, Spring 2022.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 368 Intervention Strategies in Complementary and Integrative Health Approaches**

3 cr. Undergraduate.

Examination of the efficacy of commonly used strategies and therapies considered to be Complementary and Alternative Medicine.

**Prerequisites:** none.

**Last Taught:** Fall 2025, Fall 2024, Fall 2023, Fall 2022.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 400 Ethics and Values in the Health and Fitness Professions**

3 cr. Undergraduate.

Exploration of morality and ethics and their importance in the allied health professions.

**Prerequisites:** none.

**Last Taught:** Fall 2025, Summer 2025, Spring 2025, Fall 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 430 Exercise Testing for Fitness Assessment and Exercise Prescription**

3 cr. Undergraduate.

Methods for assessing physical fitness in various populations, guidelines for graded exercise testing and exercise prescription. integrates lecture material with laboratory experience.

**Prerequisites:** Kin 330(P) or cons instr; current CPR/AED cert.

**Last Taught:** Fall 2020, Fall 2019, Fall 2018, Fall 2017.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 440 Innovative Approaches to Health and Wellness Coaching**

3 cr. Undergraduate.

Study of health and wellness coaching theory and practice related to health behavior change.

**Prerequisites:** senior standing or consent of instructor.

**Course Rules:** Counts as repeat of KIN 590 with same topic. KIN 440 was previously KIN 482. KIN 440 and NUTR 440 are jointly offered; they count as repeats of one another.

**Last Taught:** Spring 2025, Spring 2024, Spring 2023, Spring 2022.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 480 Organization and Administration in the Exercise and Fitness Industry**

3 cr. Undergraduate.

Study of the delivery of exercise services in relationship to organization and administration of programs with emphasis on promotions, budget, supervision, equipment and facilities.

**Prerequisites:** admis to Kin major; or Kin minor; or cons instr.

**Last Taught:** Fall 2025, Fall 2024, Fall 2019, Fall 2018.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 481 Program Development and Evaluation in the Exercise and Fitness Industry**

3 cr. Undergraduate.

Study of systematic program design and evaluation including systems approach, evaluation models, problem solving by objectives, management by objectives and accountability.

**Prerequisites:** Kin 330(P), 350(P), 351(P); or cons instr. Preference is given to students in the Health Promotion track.

**Last Taught:** Spring 2019, Spring 2018, Spring 2017, Spring 2016.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 489 Kinesiology Internship**

1-6 cr. Undergraduate.

Application of kinesiology principles through guided, intensive field experience in exercise, sport, and health settings. Supervised development of professional skills and career exploration.

**Prerequisites:** advanced to Kinesiology major, KIN 200(P), KIN 220(P), KIN 300(P), min GPA 2.0, and proof of CPR/AED.

**Course Rules:** May be retaken to max of 6 cr. Not open for cr to students with cr in FITWELL 489(ER).

**Last Taught:** Fall 2025, Summer 2025, Spring 2025, Fall 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 497 Study Abroad:**

1-12 cr. Undergraduate.

Designed to enroll students in UWM sponsored program before course work level, content, and credits are determined and/or in specially prepared program course work.

**Prerequisites:** acceptance for Study Abroad Prog.

**Course Rules:** May be retaken w/chg in topic.

**Last Taught:** Summer 2023, Summer 2019, Summer 2018.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 520 Clinical & Applied Biomechanics**

3 cr. Undergraduate/Graduate.

Introduces experimental methods and instrumentation in biomechanics, emphasizing clinical and applied contexts. Covers collection and analysis of kinematic, kinetic, and EMG data, including basic signal processing for real-world and clinical applications.

**Prerequisites:** a grade of C or better in KIN 320(P); or graduate standing; or consent of instructor.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 520G Clinical & Applied Biomechanics**

3 cr. Undergraduate/Graduate.

Introduces experimental methods and instrumentation in biomechanics, emphasizing clinical and applied contexts. Covers collection and analysis of kinematic, kinetic, and EMG data, including basic signal processing for real-world and clinical applications.

**Prerequisites:** a grade of C or better in KIN 320(P); or graduate standing; or consent of instructor.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 522 Biomechanics of Athletic Performance**

3 cr. Undergraduate/Graduate.

Exploration of the mechanical factors that affect performance in a variety of athletic activities with a focus on methods to detect and correct faults in technique.

**Prerequisites:** junior standing; grade of C or better in KIN 320(P); or graduate standing; or consent of instructor.

**Last Taught:** Fall 2021, Fall 2017.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 522G Biomechanics of Athletic Performance**

3 cr. Undergraduate/Graduate.

Exploration of the mechanical factors that affect performance in a variety of athletic activities with a focus on methods to detect and correct faults in technique.

**Prerequisites:** junior standing; grade of C or better in KIN 320(P); or graduate standing; or consent of instructor.

**Last Taught:** Fall 2021, Fall 2017.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 530 Physiology of Performance**

3 cr. Undergraduate/Graduate.

Advanced study of the physiological responses to exercise and the adaptations to physical training.

**Prerequisites:** junior standing; grade of C or better in KIN 330(P); Kinesiology major or intended major; or graduate standing.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 530G Physiology of Performance**

3 cr. Undergraduate/Graduate.

Advanced study of the physiological responses to exercise and the adaptations to physical training.

**Prerequisites:** junior standing; grade of C or better in KIN 330(P); Kinesiology major or intended major; or graduate standing.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 531 Clinical Exercise Physiology**

3 cr. Undergraduate/Graduate.

Study of the physiological responses to exercise and the adaptations to physical training for those with chronic diseases, conditions and/or physical shortcomings.

**Prerequisites:** junior standing, a grade of C or better in KIN 330(P), and Kinesiology major or intended major; or graduate standing.

**Last Taught:** Fall 2025, Fall 2021.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 531G Clinical Exercise Physiology**

3 cr. Undergraduate/Graduate.

Study of the physiological responses to exercise and the adaptations to physical training for those with chronic diseases, conditions and/or physical shortcomings.

**Prerequisites:** junior standing, a grade of C or better in KIN 330(P), and Kinesiology major or intended major; or graduate standing.

**Last Taught:** Fall 2025, Fall 2021.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 532 Electrocardiography Interpretation**

3 cr. Undergraduate/Graduate.

In depth study of the 12 lead EKG and selected cardiovascular medications encountered in preventative and rehabilitative exercise programs.

**Prerequisites:** jr st; grade of C or better in Kin 330(P); 430(R); or grad st or cons instr.

**Course Rules:** Counts as repeat of Kin 590(HMS 590) with similar title.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 532G Electrocardiography Interpretation**

3 cr. Undergraduate/Graduate.

In depth study of the 12 lead EKG and selected cardiovascular medications encountered in preventative and rehabilitative exercise programs.

**Prerequisites:** jr st; grade of C or better in Kin 330(P); 430(R); or grad st or cons instr.

**Course Rules:** Counts as repeat of Kin 590(HMS 590) with similar title.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 533 Physiology of Performance: Testing and Application**

3 cr. Undergraduate/Graduate.

Practical exercise testing knowledge and application of typical performance measures.

**Prerequisites:** junior standing and KIN 335(P); or consent of instructor; or graduate standing.

**Course Rules:** Previously KIN 733.

**Last Taught:** Spring 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 533G Physiology of Performance: Testing and Application**

3 cr. Undergraduate/Graduate.

Practical exercise testing knowledge and application of typical performance measures.

**Prerequisites:** junior standing and KIN 335(P); or consent of instructor; or graduate standing.

**Course Rules:** Previously KIN 733.

**Last Taught:** Spring 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 534 Physical Activity, Exercise and Health**

3 cr. Undergraduate/Graduate.

The role of physical activity and exercise in the prevention and treatment of various chronic conditions and diseases.

**Prerequisites:** junior standing or greater; or graduate standing.

**Course Rules:** Previously KIN 732.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 534G Physical Activity, Exercise and Health**

3 cr. Undergraduate/Graduate.

The role of physical activity and exercise in the prevention and treatment of various chronic conditions and diseases.

**Prerequisites:** junior standing or greater; or graduate standing.

**Course Rules:** Previously KIN 732.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 550 Psychological Aspects of Human Movement**

3 cr. Undergraduate/Graduate.

Study of the relationships between psychological factors and human physical activity. Introduction to research relevant to sport and exercise psychology.

**Prerequisites:** jr st; must have obtained a grade of C or better in Kin 350(P) or cons instr.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 550G Psychological Aspects of Human Movement**

3 cr. Undergraduate/Graduate.

Study of the relationships between psychological factors and human physical activity. Introduction to research relevant to sport and exercise psychology.

**Prerequisites:** jr st; must have obtained a grade of C or better in Kin 350(P) or cons instr.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 555 Exercise Psychology**

3 cr. Undergraduate/Graduate.

Psychological antecedents and consequences of physical activity in relation to mental health and public health.

**Prerequisites:** jr st; Grade C or better in Kin 350(P) or cons instr.

**Course Rules:** Counts as repeat of Kin 590 with same topic.

**Last Taught:** Spring 2009.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 555G Exercise Psychology**

3 cr. Undergraduate/Graduate.

Psychological antecedents and consequences of physical activity in relation to mental health and public health.

**Prerequisites:** jr st; Grade C or better in Kin 350(P) or cons instr.

**Course Rules:** Counts as repeat of Kin 590 with same topic.

**Last Taught:** Spring 2009.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 556 Multilevel Approaches to Changing Physical Activity and Eating Behaviors**

3 cr. Undergraduate/Graduate.

An introduction to key theoretical and conceptual frameworks for understanding health-related behavior and evidence-based practical approaches for promoting behavior change.

**Prerequisites:** a grade of C or better in KIN 350(P); or graduate standing; or consent of instructor.

**Course Rules:** Counts as repeat of KIN 590 with the same topic. KIN 556 and NUTR 556 are jointly offered and count as repeats of one another.

**Last Taught:** Spring 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 556G Multilevel Approaches to Changing Physical Activity and Eating Behaviors**

3 cr. Undergraduate/Graduate.

An introduction to key theoretical and conceptual frameworks for understanding health-related behavior and evidence-based practical approaches for promoting behavior change.

**Prerequisites:** a grade of C or better in KIN 350(P); or graduate standing; or consent of instructor.

**Course Rules:** Counts as repeat of KIN 590 with the same topic. KIN 556 and NUTR 556 are jointly offered and count as repeats of one another.

**Last Taught:** Spring 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 561 Investigating Motor Behavior in Health, Aging, and Disease**

3 cr. Undergraduate/Graduate.

An introduction to the major theoretical and empirical perspectives used to examine how the nervous system and musculoskeletal system work cooperatively to produce human movement in health, aging, and disease.

**Prerequisites:** junior standing; a grade of C or better in KIN 361(P) or consent of instructor.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 561G Investigating Motor Behavior in Health, Aging, and Disease**

3 cr. Undergraduate/Graduate.

An introduction to the major theoretical and empirical perspectives used to examine how the nervous system and musculoskeletal system work cooperatively to produce human movement in health, aging, and disease.

**Prerequisites:** junior standing; a grade of C or better in KIN 361(P) or consent of instructor.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 570 Sociological Aspects of Physical Activity**

3 cr. Undergraduate/Graduate.

Relationships between sociological factors and human physical activity. Introduction to research relevant to the sociology of sport and other forms of physical activity.

**Prerequisites:** junior standing and a grade of C or better in KIN 351(P); or consent of instructor.

**Last Taught:** Fall 2023.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 570G Sociological Aspects of Physical Activity**

3 cr. Undergraduate/Graduate.

Relationships between sociological factors and human physical activity. Introduction to research relevant to the sociology of sport and other forms of physical activity.

**Prerequisites:** junior standing and a grade of C or better in KIN 351(P); or consent of instructor.

**Last Taught:** Fall 2023.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 573 Body Image: Influences and Health-Related Implications**

3 cr. Undergraduate/Graduate.

In-depth examination of the multidimensional body image construct: body image development, assessment, and modification; impact on health and behavior; body image in special populations.

**Prerequisites:** jr st; Psych 101(P).

**Course Rules:** Counts as repeat of Kin 590 with same topic.

**Last Taught:** Fall 2013.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 573G Body Image: Influences and Health-Related Implications**

3 cr. Undergraduate/Graduate.

In-depth examination of the multidimensional body image construct: body image development, assessment, and modification; impact on health and behavior; body image in special populations.

**Prerequisites:** jr st; Psych 101(P).

**Course Rules:** Counts as repeat of Kin 590 with same topic.

**Last Taught:** Fall 2013.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 574 Obesity and Weight Management**

3 cr. Undergraduate/Graduate.

Examination of the epidemiology of obesity, genetic and environmental contributors, body weight regulation, health and psychosocial consequences, and approaches to assessment, prevention, and treatment.

**Prerequisites:** junior standing and a grade of C or better in BMS 232(P) or NUTR 235(P).

**Course Rules:** Counts as repeat of KIN 590 with same topic. KIN 574 and NUTR 574 are jointly offered; they count as repeats of one another.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 574G Obesity and Weight Management**

3 cr. Undergraduate/Graduate.

Examination of the epidemiology of obesity, genetic and environmental contributors, body weight regulation, health and psychosocial consequences, and approaches to assessment, prevention, and treatment.

**Prerequisites:** junior standing and a grade of C or better in BMS 232(P) or NUTR 235(P).

**Course Rules:** Counts as repeat of KIN 590 with same topic. KIN 574 and NUTR 574 are jointly offered; they count as repeats of one another.

**Last Taught:** Fall 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 575 The Social Construction of Obesity**

3 cr. Undergraduate/Graduate.

Examines how obesity is socially constructed and how it shapes conceptions of fitness and physical activity.

**Prerequisites:** jr st; grade of C or better in Kin 351(P); or cons instr.

**Course Rules:** Counts as repeat of HMS 590 with same topic.

**Last Taught:** Fall 2010, Fall 2009.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 575G The Social Construction of Obesity**

3 cr. Undergraduate/Graduate.

Examines how obesity is socially constructed and how it shapes conceptions of fitness and physical activity.

**Prerequisites:** jr st; grade of C or better in Kin 351(P); or cons instr.

**Course Rules:** Counts as repeat of HMS 590 with same topic.

**Last Taught:** Fall 2010, Fall 2009.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 580 Sports Nutrition**

3 cr. Undergraduate/Graduate.

The integration and application of nutrition and exercise science principles to maximize health, fitness, and sport performance.

**Prerequisites:** junior standing and a grade of C or better in NUTR 235(P) or BMS 232(P).

**Course Rules:** Counts as a repeat of NUTR 550, or BMS 590 or KIN 590 with similar topic. NUTR 580 and KIN 580 are jointly offered; they count as repeats of one another.

**Last Taught:** Summer 2025, Spring 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 580G Sports Nutrition**

3 cr. Undergraduate/Graduate.

The integration and application of nutrition and exercise science principles to maximize health, fitness, and sport performance.

**Prerequisites:** junior standing and a grade of C or better in NUTR 235(P) or BMS 232(P).

**Course Rules:** Counts as a repeat of NUTR 550, or BMS 590 or KIN 590 with similar topic. NUTR 580 and KIN 580 are jointly offered; they count as repeats of one another.

**Last Taught:** Summer 2025, Spring 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 590 Current Topics in Human Kinetics:**

1-3 cr. Undergraduate/Graduate.

The specific topic will be announced in the Schedule of Classes each time the course is offered.

**Prerequisites:** junior standing; consent of instructor for graduate credit.

**Course Rules:** May be retaken to max of 9 cr.

**Last Taught:** Fall 2025, Spring 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 590G Current Topics in Human Kinetics:**

1-3 cr. Undergraduate/Graduate.

The specific topic will be announced in the Schedule of Classes each time the course is offered.

**Prerequisites:** junior standing; consent of instructor for graduate credit.

**Course Rules:** May be retaken to max of 9 cr.

**Last Taught:** Fall 2025, Spring 2025.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 642G Professionalism and Ethos of Care**

3 cr. Undergraduate/Graduate.

The ethics of professional practice, fiduciary relationships, rights, duties associated with the patient/therapist relationship, and the role character plays in ethical decision-making.

**Prerequisites:** grad st; good standing in DPT prog

**Last Taught:** Fall 2016, Fall 2015, Fall 2014, Summer 2014.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 701 Seminar in Human Movement Sciences**

1-3 cr. Graduate.

Research in the Human Movement Sciences subdisciplines including critical review of theories, perspectives and methods. Faculty, student presentations of current work.

**Prerequisites:** grad st

**Course Rules:** Retakable to 3 cr max.

**Last Taught:** Spring 2013, Spring 2012, Fall 2011, Spring 2011.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 702 Statistical Analysis in the Health Sciences**

3 cr. Graduate.

Univariate, bivariate, and multivariate analyses as they apply to health science research.

**Prerequisites:** grad st; intro level statistics course at U/G or G level.

**Last Taught:** Fall 2025, Fall 2024, Fall 2023, Spring 2023.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 703 Research Methods in Kinesiology**

3 cr. Graduate.

Methods for multi-disciplinary human movement inquiry; problem/statistical design; critique of available literature; preliminary thesis/project design.

**Prerequisites:** graduate standing.

**Last Taught:** Spring 2025, Spring 2023, Spring 2022, Spring 2021.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 706 Research & Applied Statistics in Physical Therapy**

3 cr. Graduate.

Specific quantitative research designs and statistics with an emphasis on clinical research; methods for critically evaluating research literature.

**Prerequisites:** grad st, admis to DPT program; or cons instr.

**Last Taught:** Spring 2017, Spring 2016, Spring 2015, Summer 2010.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 710 Evidence Based Practice: Levels of Evidence**

1 cr. Graduate.

Strategies for evaluating the evidence underlying physical therapy practice as a framework for creating and evaluating best practice decisions.

**Prerequisites:** grad st, admis to DPT Program; or cons instr.

**Last Taught:** Summer 2009, Summer 2008.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 711 Evidence Based Practice: Interventions**

1 cr. Graduate.

Focus on information access and retrieval from research literature used to inform physical therapy interventions for treatment of movement disorders.

**Prerequisites:** grad st; admis to DPT Program or cons instr.

**Last Taught:** Fall 2009, Fall 2008.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 712 Evidence Based Practice: Tests & Measures**

1 cr. Graduate.

Focus on the critical analysis of published clinical research related to physical therapy tests and measures.

**Prerequisites:** grad st; admis to DPT program or cons instr.

**Last Taught:** Spring 2010, Spring 2009.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 713 Professional Issues in Physical Therapy**

1 cr. Graduate.

Strategies for growth & adaptation of physical therapy practice in the context of a changing health care environment.

**Prerequisites:** grad st; valid license to practice physical therapy or cons instr

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 714 Evidence for Practice I**

3 cr. Graduate.

Provides clinicians with a rubric for searching & evaluating the published literature supporting physical therapy practice & informing best practice decisions.

**Prerequisites:** grad st; valid license to practice physical therapy or cons instr

**Last Taught:** Fall 2007.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 715 Evidence for Practice II**

3-6 cr. Graduate.

Synthesis of prior coursework in the development and presentation of a clinical practice decision supported with best evidence practices.

**Prerequisites:** grad st; valid license to practice physical therapy.

**Course Rules:** Retakable to 6 cr max.

**Last Taught:** Summer 2008, Fall 2007.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 716 Seminar: The Culture of Evidence**

1 cr. Graduate.

The role of evidence in physical therapy clinical decision making with application to current interventions.

**Prerequisites:** grad st; valid license to practice physical therapy or cons instr

**Last Taught:** Summer 2007.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 717 Pharmacology In Rehabilitation**

2 cr. Graduate.

Pharmacologic agents encountered in physical therapy rehabilitation settings focusing on pharmacodynamics, pharmacokinetics, biotransformation of drugs, and clinical application for relevant drug classifications.

**Prerequisites:** grad st, admis to DPT Program; or cons instr

**Last Taught:** Spring 2013, Spring 2012, Fall 2011, Fall 2010.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 720 Advanced Biomechanics Research**

3 cr. Graduate.

Introduction to advanced biomechanics collection techniques.

Course focuses on basic programming, data collection/analysis, and presentation skills.

**Prerequisites:** grad st; Kin 520(C); or cons instr

**Course Rules:** Counts as repeat of Kin 590 with same topic.

**Last Taught:** Fall 2024, Fall 2021, Fall 2018, Fall 2016.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 721 Muscle Mechanics & Modeling**

3 cr. Graduate.

An in-depth background in muscle mechanics. Basic muscle mechanics, classic research studies, and the development of a computer muscle model to understand force production and movement control through musculoskeletal modeling.

**Prerequisites:** graduate standing or consent of instructor.

**Course Rules:** Counts as repeat of KIN 590 with similar topic.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 725 Interdisciplinary Themes in Biomechanics**

3 cr. Graduate.

Emphasis on biomechanical research themes of an interdisciplinary character. Readings drawn from primary research literature.

**Prerequisites:** grad st; Kin 520(P) or cons instr.

**Last Taught:** Fall 2014, Fall 2010, Spring 2006, Fall 2003.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 743 Health Systems Review**

2 cr. Graduate.

Provides systems overview of screening procedures necessary to provide a comprehensive physical therapy diagnosis with an emphasis on screening for referral.

**Prerequisites:** grad st; valid license to practice physical therapy or cons instr

**Last Taught:** Spring 2008, Spring 2007.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 761 Concepts of Human Motor Control**

3 cr. Graduate.

A systematic examination of neuromotor control mechanisms and critical review of research in human motor behavior focusing on variables limiting or facilitating performance and/or skill acquisition.

**Prerequisites:** grad st, Kin 561(P) or cons instr.

**Last Taught:** Spring 2022, Fall 2019, Fall 2017, Fall 2014.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 762 Research Practicum in Motor Control**

3 cr. Graduate.

Demonstration/participation laboratory focused on human motor control experimental design. Topics include sampling, subject protection, techniques for quantification of motor performance characteristics and neuromuscular correlates.

**Prerequisites:** grad st; Kin 561(P) or cons instr.

**Last Taught:** Spring 2018, Spring 2017, Spring 2008, Spring 2005.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 763 Neural Control of Movement**

3 cr. Graduate.

Fundamental concepts and current issues in how the brain and other neurological structures contribute to the control of movement.

**Prerequisites:** grad st, Kin 561(P) or cons instr.

**Last Taught:** Spring 2014.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 764 Neurophysiology of Human Movement**

3 cr. Graduate.

A neurophysiologic perspective on key areas of human motor control.

**Prerequisites:** grad st, Kin 561(P) or cons instr.

**Course Rules:** Counts as repeat of Kin(HMS) 590 with same topic.

**Last Taught:** Spring 2014.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 780 Clinical Teaching**

2 cr. Graduate.

Exploration of patient education intervention focusing on patient adherence in the context of learning theory, adult learning, and learning domains.

**Prerequisites:** grad st, admis to DPT Program; or cons instr.

**Last Taught:** Fall 2015, Fall 2014, Fall 2013, Fall 2012.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 798 Independent Project**

1-6 cr. Graduate.

Student research in consultation with and supervised by a graduate faculty member.

**Prerequisites:** grad st; cons instr

**Course Rules:** Retakable w/ chg in topic to 6 cr max.

**Last Taught:** Fall 2025, Spring 2025, Fall 2024, Spring 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 799 Independent Reading**

1-3 cr. Graduate.

Independent study of a topic selected by the student in consultation with the supervising graduate faculty member.

**Prerequisites:** grad st; cons instr.

**Course Rules:** May be repeated with change in topic to max of 6 cr.

**Last Taught:** Spring 2025, Fall 2024, Spring 2024, Fall 2023.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 830 Physiological Adaptations to Exercise**

3 cr. Graduate.

Physiological factors related to performing physical activity and exercise on a chronic basis; various environmental influences on physical performance.

**Prerequisites:** grad st; a grade of C or better in Kin 530(P).

**Last Taught:** Fall 2013, Fall 2011, Fall 2010, Fall 2009.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 850 Seminar in Psychological Aspects of Physical Activity:**

3 cr. Graduate.

Advanced seminar on selected topics in the psychology of physical activity.

**Prerequisites:** graduate standing and KIN 550(P) or consent of instructor.

**Course Rules:** May be repeated with change in topic to max of 6 cr.

**Last Taught:** Spring 2018, Spring 2017, Spring 2015, Spring 2014.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 871 Socialization and Physical Activity**

3 cr. Graduate.

Advanced seminar on research relevant to the development/lack of development of physically active lifestyles.

**Prerequisites:** grad st; Kin 870(P) or cons instr.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 888 Candidate for Degree**

0 cr. Graduate.

Available for graduate students who must meet minimum credit load requirement.

**Prerequisites:** graduate standing.

**Course Rules:** Fee for 1 cr assessed; unit does not count towards credit load for Fin Aid. Repeatable. Satisfactory/Unsatisfactory only.

**Last Taught:** Summer 2019, Summer 2018, Spring 2018, Summer 2017.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 890 Capstone Project**

1-6 cr. Graduate.

Preparation of a research project under the supervision of the student's major professor.

**Prerequisites:** grad st.

**Course Rules:** Not open to students selecting options A.

**Last Taught:** Fall 2025, Spring 2025, Fall 2024, Spring 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 891 Research Seminar**

3 cr. Graduate.

Advanced seminar on the synthesis and critique of research literature within the student's primary and secondary subdisciplines.

**Prerequisites:** grad st; completion of all or conc reg in remaining coursework for degree.

**Course Rules:** Not open to option A or C students.

**Last Taught:** Summer 2013, Summer 2012, Spring 2012, Fall 2011.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 895 Research and Thesis**

1-6 cr. Graduate.

Preparation of a thesis under the direction of the student's primary and secondary advisors.

**Prerequisites:** grad st; cons instr

**Last Taught:** Spring 2025, Fall 2023, Spring 2023, Spring 2022.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 909 Guided Teaching Experience in Health Sciences**

3 cr. Graduate.

This course provides the student, under the supervision of a faculty member, with the opportunity to design, deliver, and evaluate an undergraduate course.

**Prerequisites:** graduate standing, one of the following: ATRAIN 900(P), OCCTHPY 900(P), PRPP 900(P), or PT 900(P), and consent of instructor.

**Course Rules:** Satisfactory/Unsatisfactory only. ATRAIN 909, BMS 909, COMSDIS 909, HCA 909, KIN 909, OCCTHPY 909, PT 909, and PRPP 909 are jointly offered and count as repeats of one another.

**Last Taught:** Spring 2025, Fall 2024, Fall 2023, Fall 2022.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 910 Advanced Seminar in Health Sciences**

1 cr. Graduate.

Faculty, graduate students, and invited guests will present their research and engage in discussion around themes of broad interest, e.g., public health.

**Prerequisites:** grad st

**Course Rules:** Retakable to 4 cr max.

**Last Taught:** Fall 2025, Spring 2025, Spring 2021, Spring 2019.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 930 Seminar in Exercise Physiology**

1-3 cr. Graduate.

Evaluation of current research and methodology in exercise physiology.

**Prerequisites:** graduate standing and consent of instructor.

**Course Rules:** Retakable to 9 cr max with change in topic.

**Last Taught:** Fall 2025, Spring 2025, Spring 2021, Fall 2019.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 990 Research and Thesis**

1-6 cr. Graduate.

Preparation of a thesis under the direction of the student's primary and secondary advisors.

**Prerequisites:** grad st.

**Course Rules:** May be repeated to max of 6 cr. Not open to students selecting options B or C.

**Last Taught:** Summer 2007, Spring 2007, Fall 2006, Summer 2006.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 991 Doctoral Dissertation**

1-12 cr. Graduate.

Dissertation research

**Prerequisites:** grad st; admit to Ph.D. candidacy

**Last Taught:** Fall 2025, Spring 2025, Fall 2024, Summer 2024.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>

**KIN 999 Advanced Independent Study**

1-6 cr. Graduate.

Independent study on topic selected by student and supervising graduate faculty member.

**Prerequisites:** grad st; cons instr

**Last Taught:** Fall 2025, Spring 2025, Fall 2024, Fall 2022.

**Current Offerings:** <https://catalog.uwm.edu/course-search/>