

KINESIOLOGY (KIN)

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: Spring 2024, Fall 2023, Spring 2023, Fall 2022.

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 211 First Aid and Cardiopulmonary Resuscitation

1 cr. Undergraduate.

CPR for adults, children, and infants; AED; and First Aid.

Prerequisites: none.

Last Taught: UWinterIM 2014, Spring 2009, Fall 2008, Summer 2008.

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

KIN 212 Fieldwork in Athletic Training

1 cr. Undergraduate.

On-site observation of the athletic training profession. Students will rotate through different on-campus sites.

Prerequisites: Kin 310(C).

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

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

KIN 216 Organization and Administration of Athletic Training

3 cr. Undergraduate.

Delivery of athletic training services in various settings. Topics include program, personnel, information management, budgeting, documentation, insurance, legal considerations and current topics.

Prerequisites: admitted to athletic training maj; Kin 316(P); Kin 410(C) & Kin 416(C); or cons instr.

Last Taught: Spring 2017, Spring 2016, Spring 2015, Spring 2014.

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: Spring 2024, Fall 2023, Spring 2023, Fall 2022.

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: NS

Last Taught: Spring 2024, Fall 2023, Summer 2023, Spring 2023.

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

KIN 245 Client Diversity in Health Sciences: An Interdisciplinary Perspective

3 cr. Undergraduate.

Interdisciplinary instruction on effective service delivery in the health sciences to culturally diverse individuals and families. Emphasis on the complexity of an individual's cultural identity.

Prerequisites: soph st or cons instr.

Course Rules: BMS/ComSDis/HCA/Kin/OccThpy/TherRec 245 are jointly offered; they count as repeats of one another.

General Education Requirements: CD, SS

Last Taught: Spring 2024, Spring 2023, Spring 2022, Spring 2021.

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.

General Education Requirements: SS

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: Satisfaction of Quantitative Literacy Part A.

General Education Requirements: QL B

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

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

KIN 289 Seminar in Athletic Training

0 cr. Undergraduate.

Exposure to peer presentations, guest lectures on current topics, current literature updates/discussion, and program information updates.

Prerequisites: acceptance into Athletic Training prog.

Course Rules: Must be taken by student in the ATEP each sem of prog. Fee for 1 cr assessed.

Last Taught: Spring 2008, Fall 2007, Spring 2007, Fall 2006.

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 2018, Spring 2010, Fall 2009, Summer 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: Spring 2024, Fall 2023, Spring 2023, Fall 2022.

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 310 Responding to Emergencies

1 cr. Undergraduate.

Focus on the development of skills necessary for professionals to act as 'first responders' in providing emergency medical care.

Prerequisites: Kin 212(C).

Course Rules: Credit/No Credit only.

Last Taught: Fall 2014, Fall 2013, Fall 2012, Fall 2011.

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

KIN 311 CPR/AED Recertification

1 cr. Undergraduate.

CPR/AED recertification and review of basic First Aid.

Prerequisites: Kin 211 or CPR & standard first aid certification.

Last Taught: Spring 1990, Spring 1989, Fall 1987, Fall 1986.

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

KIN 312 Introduction to Prevention, Recognition, and Treatment of Athletic Injuries

3 cr. Undergraduate.

Introduction to athletic training principles and techniques necessary for the prevention, recognition, care, and rehabilitation of athletic injuries.

Prerequisites: enrolled in ATEP Program, Kin 310(P); or cons instr.

Last Taught: Spring 2015, Spring 2014, Spring 2013, Spring 2012.

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

KIN 314 Recognition and Evaluation of Injuries: Lower Extremity

3 cr. Undergraduate.

Techniques/knowledge necessary to perform examination, treatment, prevention, and rehabilitation of sport-related injuries and illnesses of the lower extremity and associated areas.

Prerequisites: admis to athletic training major; Kin 413(C), & 416(C); or cons instr.

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

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

KIN 315 Recognition and Evaluation of Injuries: Upper Extremity

3 cr. Undergraduate.

Techniques/knowledge necessary to perform examination, treatment, prevention, and rehabilitation of sport-related injuries and illnesses of the upper extremity and associated areas.

Prerequisites: admis to athletic training major; Kin 413(P), & 416(C); or cons instr.

Last Taught: Spring 2016, Spring 2015, Spring 2014, Spring 2013.

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

KIN 316 Recognition and Evaluation of Athletic Injuries: Head, Neck, and Trunk

3 cr. Undergraduate.

Techniques/knowledge necessary to perform examination, treatment, prevention, and rehabilitation of sport-related injuries and illnesses of the head, neck, and torso.

Prerequisites: admis to athletic training major; Kin 315(P), 414(C) & 416(C); or cons instr.

Last Taught: Fall 2016, Fall 2015, Fall 2014, Fall 2013.

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 satisfaction of GER Quantitative Literacy Part B; or consent of instructor.**Course Rules:** Not open to students with credit in KIN 520.**Last Taught:** Spring 2024, Fall 2023, Spring 2023, Fall 2022.**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 satisfaction of GER Quantitative Literacy Part B; or consent of instructor.**Course Rules:** Not open to students with credit in KIN 530, KIN 532, or KIN 536.**Last Taught:** Spring 2024, Fall 2023, Summer 2023, Spring 2023.**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 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 2023, Fall 2022, Spring 2021, Spring 2020.**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 2023, Fall 2022, Fall 2021.**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: Satisfaction of GER Quantitative Literacy Part B or consent of instructor.**Course Rules:** Not open to students with credit in KIN 550, KIN 551, or KIN 552.**General Education Requirements:** SS**Last Taught:** Spring 2024, Fall 2023, Spring 2023, Fall 2022.**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: satisfaction of GER Quantitative Literacy Part B or consent of instructor.**Course Rules:** Not open to students with credit in KIN 570.**General Education Requirements:** SS**Last Taught:** Spring 2024, Fall 2023, Spring 2023, Fall 2022.**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: satisfaction of GER Quantitative Literacy Part B or consent of instructor.**Last Taught:** Fall 2023, Fall 2022, Fall 2021, Fall 2020.**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: satisfaction of GER Quantitative Literacy Part B or consent of instructor.**Course Rules:** Not open to students with credit in KIN 561.**Last Taught:** Spring 2024, Spring 2023, Spring 2022, Spring 2021.**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: BMS 260(C) or equiv.**Last Taught:** Spring 2024, Spring 2023, Spring 2022, Spring 2021.**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: BMS 260(P) or equiv.**Last Taught:** Fall 2023, Fall 2022, Fall 2021, Fall 2020.**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:** Spring 2024, Fall 2023.**Current Offerings:** <https://catalog.uwm.edu/course-search/>

KIN 400X 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:** Spring 2024, Fall 2023.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**KIN 410 Medical Aspects of Illness Management**

3 cr. Undergraduate.

Knowledge and techniques used in identification and management of common medical conditions and illnesses in physically active populations.

Prerequisites: admis to Athletic Training major; Kin 316(P), 216(C), & 416(C), or cons instr.**Last Taught:** Spring 2017, Spring 2016, Spring 2015, Spring 2014.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**KIN 412 Foundations of Injury Prevention & Performance**

3 cr. Undergraduate.

The foundational knowledge, skills, and science that inform injury prevention, rehabilitation, and performance in sport and physical activity.

Prerequisites: Admis to athletic training prog; Kin 315(P), 320(P), & 416(C); or cons instr.**Course Rules:** Counts as repeat of Kin(HMS) 290 w/same topic.**Last Taught:** Fall 2016, Fall 2015, Fall 2014, Fall 2013.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**KIN 413 Therapeutic Modalities in Athletic Training**

3 cr. Undergraduate.

Introduction to tissue healing, pain control, indications, contraindications, protocols, and the body's responses to various therapeutic modalities.

Prerequisites: admis to athletic training major; Kin 314(C), & 416(C); or cons instr.**Last Taught:** Fall 2015, Fall 2014, Fall 2013, Fall 2012.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**KIN 414 Therapeutic Exercise and Rehabilitation Techniques in Athletic Training**

3 cr. Undergraduate.

Introduction to the theory and practical aspects of therapeutic exercise and rehabilitation techniques used in the care of musculo-skeletal injuries.

Prerequisites: admis to athletic training prog; Kin 412(P) & 416(C); or cons instr.**General Education Requirements:** OWCB**Last Taught:** Spring 2017, Spring 2016, Spring 2015, Spring 2014.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**KIN 416 Competencies in Athletic Training**

2 cr. Undergraduate.

Practice, testing, and practical field application of educational competencies and clinical proficiencies in athletic training.

Prerequisites: acceptance into student Athletic Training prog.**Course Rules:** May be retaken to 10 cr max.**Last Taught:** Spring 2017, Fall 2016, Spring 2016, Fall 2015.**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 2024, Spring 2023, Spring 2022, Spring 2021.**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 2019, Fall 2018, Fall 2016, Fall 2015.**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 Kin 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 SPT&REC 489(ER).**Last Taught:** Spring 2024, Fall 2023, Summer 2023, Spring 2023.**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 Introduction to Biomechanics Research

3 cr. Undergraduate/Graduate.

Introduction to biomechanics experimental methods and instrumentation. Emphasis on understanding the research literature and research process, from study design to data analysis.

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

Last Taught: Fall 2023.

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

KIN 520G Introduction to Biomechanics Research

3 cr. Undergraduate/Graduate.

Introduction to biomechanics experimental methods and instrumentation. Emphasis on understanding the research literature and research process, from study design to data analysis.

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

Last Taught: Fall 2023.

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 2023.

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 2023.

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 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 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: Spring 2022.

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: Spring 2022.

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: Fall 2023.

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:** Fall 2023.**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:** Spring 2024.**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:** Spring 2024.**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 2022.**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 2022.**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 2024.**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 2024.**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 2022.**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 2022.**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 2023.

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 2023.

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: Spring 2024.

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: Spring 2024.

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:** Summer 2023, Fall 2022.**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:** Summer 2023, Fall 2022.**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 2023, Spring 2023, Spring 2022, Spring 2021.**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 2023, Spring 2022, Spring 2021, Spring 2020.**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 2021, Fall 2018, Fall 2016, Fall 2013.**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:** Spring 2024, Fall 2023, Spring 2023, Spring 2022.**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 2024, Fall 2023, Spring 2023, Fall 2022.**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: grad st; Kin 550(P) or cons instr.**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:** Spring 2024, Fall 2023, Spring 2023, Fall 2022.**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:** Fall 2023, Spring 2023, Spring 2022, Fall 2021.**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:** Fall 2023, Fall 2022, Spring 2022, Spring 2021.**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:** Spring 2021, Spring 2019, Spring 2018, Spring 2017.**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: grad st; cons instr**Course Rules:** Retakable to 9 cr max w/change in topic.**Last Taught:** Spring 2021, Fall 2019, Spring 2019, Fall 2018.**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:** Spring 2024, Fall 2023, Summer 2023, Spring 2023.**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 2022, Summer 2022, Spring 2022, Fall 2021.**Current Offerings:** <https://catalog.uwm.edu/course-search/>