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: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

KIN 201 Field Experience in Kinesiology
1 cr. Undergraduate.
Lecture/discussion/site visitation exploring the broad field of Kinesiology and typical service delivery systems, e.g., campus, community, commercial, industrial and clinical.
Prerequisites: Kin 202(C).
Course Rules: Counts as repeat of Kin 210.
Last Taught: Spring 2011, Fall 2010, Spring 2010, Fall 2009.
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

KIN 211 First Aid and Cardiopulmonary Resuscitation
1 cr. Undergraduate.
CPR for adults, children, and infants; AED; and First Aid.
Prerequisites: none.
Current Offerings: http://uwm.edu/schedule

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: Fall 2018, Spring 2018, Fall 2017, Fall 2016.
Current Offerings: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

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 330, 530, 532, or 536.
General Education Requirements: NS
Current Offerings: http://uwm.edu/schedule

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
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

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: QLB
Current Offerings: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

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 2017, Spring 2016, Fall 2015, Spring 2015.
Current Offerings: http://uwm.edu/schedule
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:** Fall 2017, Fall 2016, Spring 2016, Spring 2015. **Current Offerings:** http://uwm.edu/schedule

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:** http://uwm.edu/schedule

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 2016, Summer 2016, Fall 2015, Summer 2015. **Current Offerings:** http://uwm.edu/schedule

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:** Fall 2018, Spring 2018, Fall 2017, Spring 2017. **Current Offerings:** http://uwm.edu/schedule

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:** admis to Kin major or cons instr. **Last Taught:** Fall 2018, Spring 2018, Fall 2017, Spring 2017. **Current Offerings:** http://uwm.edu/schedule

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:** http://uwm.edu/schedule

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:** http://uwm.edu/schedule

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:** http://uwm.edu/schedule

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:** http://uwm.edu/schedule

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:** http://uwm.edu/schedule

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:** http://uwm.edu/schedule

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:** http://uwm.edu/schedule

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:** http://uwm.edu/schedule

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:** http://uwm.edu/schedule
KIN 320 Biomechanics
3 cr. Undergraduate.
Application of physical laws and mechanical principles to human movement.
Prerequisites: admis to Kin major; or admis to Kin minor and Bio Sci 202(P) & Physics 120(P) with a C or greater; or cons instr.
Course Rules: Not open to students w/cr in Kin 520.
Current Offerings: http://uwm.edu/schedule

KIN 325 Anatomical Kinesiology
3 cr. Undergraduate.
Anatomical analysis of the human body including joint actions, anatomical, muscular, and neuromuscular control aspects necessary for movement.
Prerequisites: admis to Kin major, Ath Trng major or OT prog. Bio Sci 202(P) & 203(C) or cons instr.
Last Taught: Spring 2018, Fall 2017, Spring 2017, Fall 2016.
Current Offerings: http://uwm.edu/schedule

KIN 330 Exercise Physiology
4 cr. Undergraduate.
Study of the physiological responses to exercise and the adaptations to physical training.
Prerequisites: admis to Kin major; or admis to Kin minor & Bio Sci 203(P) & Chem 100(P), 102(P), or 104(P) with grade of C or greater; or cons instr.
Course Rules: Not open to students with cr in Kin 530, 532, or 536.
Current Offerings: http://uwm.edu/schedule

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 325(P), 330(P); or cons instr.
Course Rules: Counts as repeat of Kin 335 & 337.
Current Offerings: http://uwm.edu/schedule

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: Psych 101(P); satisfaction of GER Quant Lit Part B or cons instr.
Course Rules: Not open to students with credit in Kin 550, 551, or 552.
General Education Requirements: SS
Current Offerings: http://uwm.edu/schedule

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: Sociol 101(P); satisfaction of GER Quant Lit Part B or cons instr.
Course Rules: Not open to students with credit in Kin 570.
General Education Requirements: SS
Current Offerings: http://uwm.edu/schedule

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: admis to Kin major; or admis to Kin minor and Bio Sci 202(P) with a C or greater; or cons instr.
Current Offerings: http://uwm.edu/schedule

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: admis to Kin major; or admis Kin minor and Bio Sci 202(P) with a C or greater; or cons instr.
Course Rules: Not open to students with cr in Kin 561.
Current Offerings: http://uwm.edu/schedule

KIN 365 Health Aspects of Mind and Body Practices
3 cr. Undergraduate.
Examination of the efficacy of commonly used strategies and therapies considered to be Complementary and Alternative Medicine.
Prerequisites: BMS 260(C) or equiv.
Current Offerings: http://uwm.edu/schedule

KIN 368 Intervention Strategies in Complementary and Integrative Health Approaches
3 cr. Undergraduate.
Examination of the efficicacy of commonly used strategies and therapies considered to be Complementary and Alternative Medicine.
Prerequisites: BMS 260(P) or equiv.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule
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: http://uwm.edu/schedule

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: http://uwm.edu/schedule

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
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

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 2018, Fall 2017, Fall 2016, Spring 2016.
Current Offerings: http://uwm.edu/schedule

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 2018, Fall 2016, Fall 2015, Fall 2014.
Current Offerings: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

KIN 482 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: sr standing or cons instr.
Course Rules: Counts as repeat of KIN 590 with same topic.
Last Taught: Spring 2018.
Current Offerings: http://uwm.edu/schedule

KIN 489 Kinesiology Internship and Seminar
3-14 cr. Undergraduate.
Supervisory/clinical/research assignment in approved field instruction setting; seminar to monitor and assist with professional progress.
Prerequisites: Kin 303(P) and all undergrad coursework completed; or cons instr. See internship eligibility criteria in the Kinesiology section of the undergraduate catalog.
Course Rules: May be retaken to max of 14 cr. Not open for cr to students with cr in Spt&Rec 489(ER).
Current Offerings: http://uwm.edu/schedule

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 2018.
Current Offerings: http://uwm.edu/schedule

KIN 520 Neuromechanics Research Methods
3 cr. Undergraduate/Graduate.
Introduction to biomechanics and motor behavior experimental methods and instrumentation. Emphasis on understanding the research literature and research process, from study design to data analysis.
Prerequisites: jr st; grade of C or better in Kin 320(P), Math 117(P), Physics 110(R) or 120(R); or grad st or cons instr.
Last Taught: Fall 2016, Fall 2014, Fall 2013, Fall 2012.
Current Offerings: http://uwm.edu/schedule

KIN 522 Qualitative Analysis of Human Movement
3 cr. Undergraduate/Graduate.
Exploration of systematic qualitative analysis of human movement focusing on detecting and correcting faults in technique.
Prerequisites: jr st; grade of C or better in Kin 320(P); or grad st or cons instr.
Course Rules: Counts as repeat of Kin(HMS) 590 with same title.
Last Taught: Fall 2017, Fall 2015, Summer 2014, Summer 2010.
Current Offerings: http://uwm.edu/schedule
KIN 525 Human Gross Anatomy
6 cr. Undergraduate/Graduate.
A comprehensive consideration of the human anatomy including both
nerve-musculoskeletal components and internal organ systems.
Prerequisites: grad st; good standing in DPT prog or cons instr
Current Offerings: http://uwm.edu/schedule

KIN 526 Introduction to Physical Therapy Practice and Examination
Techniques
3 cr. Undergraduate/Graduate.
Students will learn roles, professional behavior expectations, and patient
examination techniques.
Prerequisites: grad st; good standing in DPT prog or cons instr
Current Offerings: http://uwm.edu/schedule

KIN 527 Kinesiology & Biomechanics of Normal & Abnormal Movement
4 cr. Undergraduate/Graduate.
Principles & theories of the biomechanics of human motion presented to
develop analytical skills to assess normal & abnormal movement.
Prerequisites: DPT student in good standing or grad st & cons instr; grad level Human Gross Anatomy w/lab, 8 cr undergrad Physics.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

KIN 527G Kinesiology & Biomechanics of Normal & Abnormal Movement
4 cr. Undergraduate/Graduate.
Principles & theories of the biomechanics of human motion presented to
develop analytical skills to assess normal & abnormal movement.
Prerequisites: DPT student in good standing or grad st & cons instr; grad level Human Gross Anatomy w/lab, 8 cr undergrad Physics.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

KIN 530 Advanced Exercise Physiology
3 cr. Undergraduate/Graduate.
Advanced study of the physiological responses to exercise and the
adaptations to physical training.
Prerequisites: jr st; grade of C or better in Kin 330(P); Kinesiology major
or intended major; or grad st.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

KIN 530G Advanced Exercise Physiology
3 cr. Undergraduate/Graduate.
Advanced study of the physiological responses to exercise and the
adaptations to physical training.
Prerequisites: jr st; grade of C or better in Kin 330(P); Kinesiology major
or intended major; or grad st.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

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 2017, Fall 2015, Spring 2015, UWinteriM 2012.
Current Offerings: http://uwm.edu/schedule

KIN 541 Clinical Foundations of the Physical Therapy Examination
5 cr. Undergraduate/Graduate.
Instruction in the techniques of examining patients/clients.
Prerequisites: grad st; good standing in DPT prog
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

KIN 541G Clinical Foundations of the Physical Therapy Examination
5 cr. Undergraduate/Graduate.
Instruction in the techniques of examining patients/clients.
Prerequisites: grad st; good standing in DPT prog
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

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 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

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 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

KIN 551 Psychology of Injury/Illness/Disease: Implications/Strategies for
Rehab
3 cr. Undergraduate/Graduate.
Explores the psychological aspects of health enhancement, disease
prevention, and rehabilitation as well as the integration of behavioral and
biomedical sciences in treating illness.
Prerequisites: Psych 101(P).
Course Rules: May be used by undergrads to repeat Kin 590 with same
title.
Last Taught: Spring 2018, Fall 2016, Fall 2015, Fall 2014.
Current Offerings: http://uwm.edu/schedule

KIN 552 Psychology of Personal Excellence
3 cr. Undergraduate/Graduate.
Research on elite athletes, performing artists, and corporate executives
is used to discuss characteristics of peak performance and identify
strategies to facilitate personal excellence.
Prerequisites: jr st, grade of C or better in Kin 350(P); or grad st or cons
instr.
Course Rules: Counts as repeat of Kin 590 w/same topic.
Current Offerings: http://uwm.edu/schedule
KIN 553 Medical Physiology
4 cr. Undergraduate/Graduate.
Physiological principles related to rehabilitation in physical therapy practice setting and interaction of physiological systems during normal activities and after injury or disease.
Prerequisites: grad st; good standing in DPT prog or cons instr
Current Offerings: http://uwm.edu/schedule

KIN 555G Medical Physiology
4 cr. Undergraduate/Graduate.
Physiological principles related to rehabilitation in physical therapy practice setting and interaction of physiological systems during normal activities and after injury or disease.
Prerequisites: grad st; good standing in DPT prog or cons instr
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

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: Admis to Kin major or Ath Trng major or Nutr major; Grade C or better in Kin 350(P); or grad st or cons instr.
Course Rules: Counts as repeat of Kin 590 with same topic.
Current Offerings: http://uwm.edu/schedule

KIN 561 Neuromechanics of Voluntary Movement
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.
Prerequisites: jr st; a grade of C or better in Kin 461(P) or cons instr.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

KIN 561G Neuromechanics of Voluntary Movement
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.
Prerequisites: jr st; a grade of C or better in Kin 461(P) or cons instr.
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

KIN 566 Functional Neuroanatomy
3 cr. Undergraduate/Graduate.
The anatomical basis of neuroscience in physical therapy.
Prerequisites: grad st; good standing in DPT prog or cons instr
Last Taught: Spring 2018, Fall 2016.
Current Offerings: http://uwm.edu/schedule

KIN 566G Functional Neuroanatomy
3 cr. Undergraduate/Graduate.
The anatomical basis of neuroscience in physical therapy.
Prerequisites: grad st; good standing in DPT prog or cons instr
Last Taught: Spring 2018, Fall 2016.
Current Offerings: http://uwm.edu/schedule

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: jr st; must have obtained a grade of C or better in Kin(P) or cons instr.
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

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: jr st; grade of C or better in BMS 232(P) or Nutr 235(P).
Course Rules: Counts as repeat of Kin 590 with same topic.
Last Taught: Fall 2017, Fall 2016, Spring 2016, Spring 2015.
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

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: jr st, cons instr for grad cr.
Course Rules: May be retaken to max of 9 cr.
Last Taught: Fall 2018, Spring 2018.
Current Offerings: http://uwm.edu/schedule
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: jr st, cons instr for grad cr.
Course Rules: May be retaken to max of 9 cr.
Last Taught: Fall 2018, Spring 2018.
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

KIN 640G Scientific Principles of Interventions
5 cr. Undergraduate/Graduate.
The basic therapeutic interventions used to treat impairments and functional limitations in the different biological systems that lead to movement dysfunction.
Prerequisites: grad st; good standing in DPT prog; graduate level Human Gross Anatomy course with lab; Anatomy/physiology, physics, 8 cr each with labs.
Current Offerings: http://uwm.edu/schedule

KIN 641 Cardiopulmonary Evaluation & Treatment
3 cr. Undergraduate/Graduate.
The normal and abnormal structure and function of the cardiovascular, pulmonary and lymphatic systems with emphasis on medical and other therapeutic strategies.
Prerequisites: grad st; good standing in DPT prog or cons instr
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

KIN 644G Cardiopulmonary Evaluation & Treatment
3 cr. Undergraduate/Graduate.
The normal and abnormal structure and function of the cardiovascular, pulmonary and lymphatic systems with emphasis on medical and other therapeutic strategies.
Prerequisites: grad st; good standing in DPT prog or cons instr
Last Taught: Fall 2016, Fall 2015, Fall 2014, Summer 2014.
Current Offerings: http://uwm.edu/schedule

KIN 640 Scientific Principles of Interventions
5 cr. Undergraduate/Graduate.
The basic therapeutic interventions used to treat impairments and functional limitations in the different biological systems that lead to movement dysfunction.
Prerequisites: grad st; good standing in DPT prog; graduate level Human Gross Anatomy course with lab; Anatomy/physiology, physics, 8 cr each with labs.
Current Offerings: http://uwm.edu/schedule

KIN 641G Cardiopulmonary Evaluation & Treatment
3 cr. Undergraduate/Graduate.
The normal and abnormal structure and function of the cardiovascular, pulmonary and lymphatic systems with emphasis on medical and other therapeutic strategies.
Prerequisites: grad st; good standing in DPT prog or cons instr
Last Taught: Fall 2018, Fall 2017.
Current Offerings: http://uwm.edu/schedule

KIN 643 Integument System
2 cr. Graduate.
Exploration of factors predisposing skin to breakdown; preventative measures, specific examination, and intervention techniques utilized in treating burns, wounds, and amputations.
Prerequisites: Grad st, admis to DPT program; or cons instr.
Current Offerings: http://uwm.edu/schedule

KIN 680 Clinical Fieldwork I
1 cr. Undergraduate/Graduate.
The student will be assigned to a clinically based learning experience with an emphasis on practicing recently learned clinical skills on a patient population.
Prerequisites: grad st; good standing in DPT prog or cons instr
Current Offerings: http://uwm.edu/schedule

KIN 680G Clinical Fieldwork I
1 cr. Undergraduate/Graduate.
The student will be assigned to a clinically based learning experience with an emphasis on practicing recently learned clinical skills on a patient population.
Prerequisites: grad st; good standing in DPT prog or cons instr
Current Offerings: http://uwm.edu/schedule

KIN 681 Fieldwork II: Basic Skills Experience
2 cr. Graduate.
Clinically based learning experience focusing on patient evaluation and treatment skills while fostering professional behavior through clinical mentorship.
Prerequisites: grad st, admis to DPT program; Kin 680(P); or cons instr.
Current Offerings: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

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: Spring 2018, Fall 2017, Spring 2017, Fall 2016.
Current Offerings: http://uwm.edu/schedule

Note: For more information, please visit the course website at http://uwm.edu/schedule.
KIN 703 Survey of Research in the Human Movement Sciences
3 cr. Graduate.
Methods for multi-disciplinary human movement inquiry; problem/ statistical design; critique of available literature; preliminary thesis/ project design.
Prerequisites: grad st; Kin 702(P).
Current Offerings: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

KIN 709 Research Practicum
3 cr. Graduate.
Development of strategies for evaluating and contributing to the evidence for physical therapy practice. Students will select and critically review evidence, develop, execute and present a case report to inform best practice.
Prerequisites: grad st, good standing in DPT program or cons instr.
Current Offerings: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

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: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

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: http://uwm.edu/schedule

KIN 718 Clinical Radiology
1-2 cr. Graduate.
Medical diagnostics emphasizing indications & implications for imaging studies used to augment information obtained from the physical therapy examination.
Prerequisites: grad st, admis to DPT Program; or cons instr
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: http://uwm.edu/schedule

KIN 720 Biomechanics Research Methods
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 2012, Fall 2011, Fall 2010.
Current Offerings: http://uwm.edu/schedule
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 725</td>
<td>Interdisciplinary Themes in Biomechanics</td>
<td>3 cr.</td>
<td>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: <a href="http://uwm.edu/schedule">http://uwm.edu/schedule</a></td>
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<tr>
<td>KIN 732</td>
<td>Physical Activity and Health Across the Lifespan</td>
<td>3 cr.</td>
<td>3 cr. Graduate. The role of physical activity in the prevention and treatment of various chronic conditions and diseases. Prerequisites: grad st; Kin 330(P) w/ grade of C or better or cons instr. Last Taught: Spring 2017, Spring 2016, Spring 2015, Spring 2014. Current Offerings: <a href="http://uwm.edu/schedule">http://uwm.edu/schedule</a></td>
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<tr>
<td>KIN 733</td>
<td>Advanced Physiological Assessment</td>
<td>3 cr.</td>
<td>3 cr. Graduate. Designed to introduce students to advanced physiological testing techniques. Assumes knowledge of basic exercise testing skills, exercise physiology principles. Prerequisites: grad st; Kin 530(C) or cons instr. Last Taught: Fall 2017, Fall 2015, Fall 2014. Current Offerings: <a href="http://uwm.edu/schedule">http://uwm.edu/schedule</a></td>
</tr>
<tr>
<td>KIN 742</td>
<td>Musculoskeletal: Upper Extremities</td>
<td>3 cr.</td>
<td>3 cr. Graduate. Orthopedic physical therapy evaluation and treatment aspects of upper extremity musculoskeletal problems involving skeletal, connective tissue and muscular components. Prerequisites: grad st, admis to DPT Program or cons instr. Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015. Current Offerings: <a href="http://uwm.edu/schedule">http://uwm.edu/schedule</a></td>
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<tr>
<td>KIN 743</td>
<td>Health Systems Review</td>
<td>2 cr.</td>
<td>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: <a href="http://uwm.edu/schedule">http://uwm.edu/schedule</a></td>
</tr>
<tr>
<td>KIN 746</td>
<td>Case-based Clinical Decision Making</td>
<td>2 cr.</td>
<td>2 cr. Graduate. Clinical decision-making in physical therapy including formulation of a diagnosis and plan of care supported by evidence from literature. Prerequisites: grad st; admis to DPT Program or cons instr. Last Taught: Spring 2018, Spring 2017, Spring 2016, Spring 2015. Current Offerings: <a href="http://uwm.edu/schedule">http://uwm.edu/schedule</a></td>
</tr>
<tr>
<td>KIN 761</td>
<td>Concepts of Human Motor Control</td>
<td>3 cr.</td>
<td>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: Fall 2017, Fall 2014, Fall 2012, Fall 2006. Current Offerings: <a href="http://uwm.edu/schedule">http://uwm.edu/schedule</a></td>
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<tr>
<td>KIN 763</td>
<td>Neural Control of Movement</td>
<td>3 cr.</td>
<td>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: <a href="http://uwm.edu/schedule">http://uwm.edu/schedule</a></td>
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<tr>
<td>KIN 764</td>
<td>Neurophysiology of Human Movement</td>
<td>3 cr.</td>
<td>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: <a href="http://uwm.edu/schedule">http://uwm.edu/schedule</a></td>
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<tr>
<td>KIN 765</td>
<td>Neuromuscular: Adult</td>
<td>4 cr.</td>
<td>4 cr. Graduate. Application of motor control and learning, neuroanatomy, and neurophysiology to physical therapy examination and treatment of adults with neurological diagnosis. Prerequisites: grad st, admis to DPT Program; or cons instr. Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015. Current Offerings: <a href="http://uwm.edu/schedule">http://uwm.edu/schedule</a></td>
</tr>
</tbody>
</table>
KIN 766 Neuromuscular: Pediatric
4 cr. Graduate.
Pediatric onset diagnosis, related examination, interventions, clinical management, and legislation impacting pediatric physical therapy practice.
Prerequisites: grad st; admis to DPT Program or cons instr.
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

KIN 876 PT Clinical Internship I
8 cr. Graduate.
The Doctor of Physical Therapy student will be assigned to a clinical facility for internship practice.
Prerequisites: DPT student in good st.
Current Offerings: http://uwm.edu/schedule

KIN 880 PT Clinical Internship II
8 cr. Graduate.
The Doctor of Physical Therapy student will be assigned to a clinical facility for internship practice.
Prerequisites: DPT student in good st.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: http://uwm.edu/schedule

KIN 888 Candidate for Degree
0 cr. Graduate.
Available for graduate students who must meet minimum credit load requirement.
Prerequisites: grad st.
Course Rules: Fee for 1 cr assessed.
Current Offerings: http://uwm.edu/schedule

KIN 889 Professional Physical Therapy Credential Preparation
1 cr. Graduate.
Guidance in preparing for the Federation of State Boards of Physical Therapy licensing exam.
Prerequisites: DPT student in good standing or grad st & cons instr.
Course Rules: Course is offered in a distance learning format.
Current Offerings: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule

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.
Current Offerings: http://uwm.edu/schedule
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 2018, Fall 2017, Summer 2017, Spring 2017.  
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

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:** grad st; Occ Thpy 900 (P); cons instr  
**Course Rules:** Jointly offered w/ and counts as a repeat of BMS 909, HCA 909, OccThpy 909, and ComsDis 909.  
**Last Taught:** Fall 2018, Spring 2018, Summer 2016, Spring 2016.  
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

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 2018, Spring 2017, Spring 2016, Spring 2015.  
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

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:** Fall 2018, Fall 2014, Spring 1991, Spring 1989.  
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

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:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

KIN 991 Doctoral Dissertation  
1-12 cr. Graduate.  
Dissertation research  
**Prerequisites:** grad st; admit to Ph.D. candidacy  
**Last Taught:** Fall 2018, Summer 2018, Spring 2018, Fall 2017.  
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

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 2018, Spring 2018, Fall 2017, Spring 2017.  
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)