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.
Last Taught: Spring 2018, Fall 2017, Spring 2017, Fall 2016.
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: Spring 2018, Fall 2017, Fall 2016, Spring 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
Last Taught: Spring 2018, Fall 2017, Spring 2017, Fall 2016.
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
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 306 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.
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: Spring 2018, Fall 2017, Spring 2017, Fall 2016.
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: Spring 2018, Fall 2017, Spring 2017, Fall 2016.
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.
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.
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.
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.
Last Taught: Spring 2018, Fall 2017, Spring 2017, Fall 2016.
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
Last Taught: Spring 2018, Fall 2017, Spring 2017, Fall 2016.
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
Last Taught: Spring 2018, Fall 2017, Spring 2017, Fall 2016.
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; or cons instr.
Last Taught: Summer 2018, Fall 2017, Summer 2017, Fall 2016.
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.
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.
Current Offerings: http://uwm.edu/schedule

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 2017, Fall 2016, Fall 2015, Fall 2008.
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  
**Last Taught:** Spring 2017, Spring 2016, Spring 2015, Spring 2014.  
**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 2017, Fall 2016, Spring 2016, Spring 2015.  
**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 2016, Fall 2015, Fall 2014, Fall 2013.  
**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.  
**Last Taught:** Spring 2018, Spring 2017, Spring 2016, Spring 2015.  
**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).  
**Last Taught:** Summer 2018, Spring 2018, Fall 2017, Summer 2017.  
**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 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 2017, Fall 2016.
**Current Offerings:** [http://uwm.edu/schedule](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 2017, Fall 2016.
**Current Offerings:** [http://uwm.edu/schedule](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](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 2017, Fall 2016.
**Current Offerings:** [http://uwm.edu/schedule](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 2017, Fall 2016.
**Current Offerings:** [http://uwm.edu/schedule](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](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.
**Last Taught:** Summer 2018, Summer 2017, Summer 2016, Summer 2015.
**Current Offerings:** [http://uwm.edu/schedule](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](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 w/same topic.
**Last Taught:** Spring 2018, Spring 2017, Spring 2016, Spring 2015.
**Current Offerings:** [http://uwm.edu/schedule](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 2017, Fall 2016.
**Current Offerings:** [http://uwm.edu/schedule](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 2017, Fall 2016.
**Current Offerings:** [http://uwm.edu/schedule](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.
**Last Taught:** Spring 2011, Spring 2010, Spring 2009, Spring 2008.
**Current Offerings:** [http://uwm.edu/schedule](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](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](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](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:** Spring 2018, Fall 2017.  
**Current Offerings:** [http://uwm.edu/schedule](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:** Spring 2018, Fall 2017.  
**Current Offerings:** [http://uwm.edu/schedule](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.  
**Last Taught:** Summer 2018, Summer 2017, Summer 2016, Summer 2015.  
**Current Offerings:** [http://uwm.edu/schedule](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.  
**Last Taught:** Summer 2018, Summer 2017, Summer 2016, Summer 2015.  
**Current Offerings:** [http://uwm.edu/schedule](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.  
**Last Taught:** Spring 2013, Spring 2012, Fall 2011, Spring 2011.  
**Current Offerings:** [http://uwm.edu/schedule](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 levels statistics course at U/G or G level.  
**Last Taught:** Spring 2018, Fall 2017, Spring 2017, Fall 2016.  
**Current Offerings:** [http://uwm.edu/schedule](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).  
**Last Taught:** Spring 2018, Spring 2017, Spring 2016, Spring 2015.  
**Current Offerings:** [http://uwm.edu/schedule](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.  
**Last Taught:** Spring 2017, Spring 2016, Spring 2015, Summer 2010.  
**Current Offerings:** [http://uwm.edu/schedule](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.  
**Last Taught:** Spring 2018, Fall 2017, Spring 2017, Fall 2016.  
**Current Offerings:** [http://uwm.edu/schedule](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.  
**Last Taught:** Summer 2009, Summer 2008.  
**Current Offerings:** [http://uwm.edu/schedule](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 2017, Fall 2016, Fall 2015, Fall 2014.
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 2016, Fall 2013, Fall 2011, Fall 2009.
Current Offerings: http://uwm.edu/schedule

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: http://uwm.edu/schedule

KIN 732 Physical Activity and Health Across the Lifespan
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.
Current Offerings: http://uwm.edu/schedule

KIN 733 Advanced Physiological Assessment
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: http://uwm.edu/schedule

KIN 740 Musculoskeletal: Spine
3 cr. Graduate.
Evaluation and treatment techniques for spinal dysfunction and injury including mechanical assessment, postural training, therapeutic exercise, manual therapy, and modalities.
Prerequisites: grad st, admis to DPT Program; or cons instr
Current Offerings: http://uwm.edu/schedule

KIN 741 Musculoskeletal System: Lower Extremities
3 cr. Graduate.
Orthopedic physical therapy evaluation and treatment aspects of lower extremity musculoskeletal problems involving skeletal, connective tissue and muscular components.
Prerequisites: grad st, admis to DPT Program; or cons instr.
Current Offerings: http://uwm.edu/schedule

KIN 742 Musculoskeletal: Upper Extremities
3 cr. Graduate.
Evaluation and treatment techniques for upper extremity musculoskeletal problems involving skeletal, connective tissue and muscular components.
Prerequisites: grad st, admis to DPT Program; or cons instr.
Current Offerings: http://uwm.edu/schedule
KIN 742 Musculoskeletal: Upper Extremities
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 2017, Fall 2016, Fall 2015, Fall 2014.
Current Offerings: http://uwm.edu/schedule

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

KIN 745 Health Promotion/Wellness for Physical Therapy Practice
2 cr. Graduate.
Explores many aspects of health / wellness.
Prerequisites: grad st; good standing in DPT prog or cons instr
Current Offerings: http://uwm.edu/schedule

KIN 746 Case-based Clinical Decision Making
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.
Current Offerings: http://uwm.edu/schedule

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: Fall 2017, Fall 2014, Fall 2012, Fall 2006.
Current Offerings: http://uwm.edu/schedule

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

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: http://uwm.edu/schedule

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: http://uwm.edu/schedule

KIN 765 Neuromuscular: Adult
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 2017, Fall 2016, Fall 2015, Fall 2014.
Current Offerings: http://uwm.edu/schedule

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.
**Last Taught:** Spring 2018, Spring 2017, Spring 2015, Spring 2014.
**Current Offerings:** [http://uwm.edu/schedule](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](http://uwm.edu/schedule)

**KIN 880 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.
**Last Taught:** Summer 2018, Summer 2017, Summer 2016, Summer 2015.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

**KIN 881 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 2017, Fall 2016, Fall 2015, Fall 2014.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)

**KIN 882 PT Clinical Internship III**
8 cr. Graduate.
The Doctor of Physical Therapy student will be assigned to a clinical facility for internship practice.
**Prerequisites:** Kin 881(P); DPT student in good st.
**Last Taught:** Spring 2018, Spring 2017, Spring 2016, Fall 2015.
**Current Offerings:** [http://uwm.edu/schedule](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.
**Last Taught:** Summer 2018, Spring 2018, Summer 2017, Spring 2017.
**Current Offerings:** [http://uwm.edu/schedule](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.
**Last Taught:** Spring 2018, Spring 2017, Spring 2016, Spring 2015.
**Current Offerings:** [http://uwm.edu/schedule](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.
**Last Taught:** Spring 2018, Fall 2017, Spring 2017, Fall 2016.
**Current Offerings:** [http://uwm.edu/schedule](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.
**Last Taught:** Summer 2013, Summer 2012, Spring 2012, Fall 2011.
**Current Offerings:** [http://uwm.edu/schedule](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:** Spring 2018, Summer 2016, Spring 2016, Fall 2015.
**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 2014, Spring 1991, Spring 1989, Fall 1987.
**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:** Summer 2018, Spring 2018, Fall 2017, Summer 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:** Spring 2018, Fall 2017, Spring 2017, Summer 2016.
**Current Offerings:** [http://uwm.edu/schedule](http://uwm.edu/schedule)