

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.

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

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.

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

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

Last Taught: Summer 2018, Spring 2018, Fall 2017, Summer 2017.

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

Last Taught: Spring 2018, Spring 2017, Spring 2016, Spring 2015.

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.

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

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: 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.

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.**Last Taught:** Summer 2018, Spring 2018, Fall 2017, Summer 2017.**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.**Last Taught:** Spring 2018, Spring 2017, Spring 2016, Spring 2015.**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.**Last Taught:** Summer 2018, Spring 2018, Summer 2017, Spring 2017.**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.**Last Taught:** Spring 2018, Spring 2017, Spring 2016, Spring 2015.**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.**Last Taught:** Summer 2018, Spring 2018, Fall 2017, Summer 2017.**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.**Last Taught:** Summer 2018, Spring 2018, Fall 2017, Summer 2017.**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.**Last Taught:** Spring 2017, Spring 2016, Spring 2015, Spring 2014.**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 525 Human Gross Anatomy

6 cr. Undergraduate/Graduate.

A comprehensive consideration of the human anatomy including both neuro-musculoskeletal components and internal organ systems.

Prerequisites: grad st; good standing in DPT prog or cons instr**Last Taught:** Summer 2018, Summer 2017, Summer 2016, Summer 2015.**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**Last Taught:** Summer 2018, Summer 2017, Summer 2016, Summer 2015.**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 2017, Fall 2016.**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 2017, Fall 2016.**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>**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>**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 2017, Fall 2016.**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 2017, Fall 2016.**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 2017, Fall 2016.**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 2017, Fall 2016.**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.**Last Taught:** Summer 2018, Summer 2017, Summer 2016, Summer 2015.**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

Last Taught: Summer 2018, Summer 2017.

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

KIN 553G 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

Last Taught: Summer 2018, Summer 2017.

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 w/same topic.

Last Taught: Spring 2018, Spring 2017, Spring 2016, Spring 2015.

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 2017, Fall 2016.

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 2017, Fall 2016.

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.

Last Taught: Spring 2011, Spring 2010, Spring 2009, Spring 2008.

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: Spring 2018, Fall 2017.

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: Spring 2018, Fall 2017.

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.

Last Taught: Spring 2018, Spring 2017.

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.

Last Taught: Spring 2018, Spring 2017.

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 2017, Fall 2016.

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 2017, Fall 2016.

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

KIN 642 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 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 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>

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

Last Taught: UWinterIM 2018, UWinterIM 2017.

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

Last Taught: UWinterIM 2018, UWinterIM 2017.

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.

Last Taught: Summer 2018, Summer 2017, Summer 2016, Summer 2015.

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.

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

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>

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>

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>

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>

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>

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.

Last Taught: Spring 2010, Spring 2009.

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.

Last Taught: Summer 2008, Fall 2007.

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.**Last Taught:** Spring 2017, Spring 2016, Spring 2015, Spring 2014.**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**Last Taught:** Spring 2018, Spring 2017, Spring 2016, Spring 2015.**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.**Last Taught:** Summer 2018, Summer 2017, Summer 2016, Summer 2015.**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**Last Taught:** Spring 2008, Spring 2007.**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**Last Taught:** Spring 2018, Spring 2017, Spring 2016, Spring 2015.**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.**Last Taught:** Spring 2018, Spring 2017, Spring 2016, Spring 2015.**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.**Last Taught:** Spring 2018, Spring 2017, Spring 2008, Spring 2005.**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.**Last Taught:** Spring 2018, Spring 2017, Spring 2016, Spring 2015.**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.**Last Taught:** Summer 2018, Spring 2018, Fall 2017, Summer 2017.**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.**Last Taught:** Summer 2018, Spring 2018, Fall 2017, Summer 2017.**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>**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 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>**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>**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>**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>**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>**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>**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>

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>

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>

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>

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>

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>

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>

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>