

Public Health Physical Activity Competencies Course Alignment Matrix

MPH Emphasis: Public Health Physical Activity	Required 12 hrs				Select remaining courses (7-10 hrs) from these courses																						
Competencies and Courses P=Primary Course R=Reinforcing Course	KIN 610	KIN 612	KIN 801	KIN 805	KIN 600	KIN 601	KIN 602	KIN 603	KIN 606	KIN 607	KIN 609	KIN 614	KIN 625	KIN 635	KIN 655	KIN 657	KIN 797	KIN 808	KIN 815	MC 750	STAT 705	STAT 710	STAT 716	STAT 717	STAT 720	STAT 725	STAT 730
1. Population health: Develop evidence-based knowledge of the relationship between physical activity and population health.			P		R	R	R	R	R	R	R		R	R		R	R										
2. Social, behavioral and cultural influences: Understand how social, behavioral and cultural factors contribute to participation in physical activity.	P		P	P			R					R						R									
3. Theory application: Understand how social and behavioral theory and frameworks are used in programs designed to promote physical activity in community settings.	P		P	R	R										R												
4. Creating and evaluating interventions: Develop skills for creating and evaluating physical activity interventions in diverse community settings.	P											R			P				R		R	R	R	R	R	R	R
5. Effective communication: Develop the ability to collaboratively communicate with public health officials and other community partners to promote physical activity in community settings.		P																		P							
6. Understand exercise physiology and science: Understand exercise physiology and related exercise science.			P																								

Key to Course Titles

Public Health Physical Activity Course List			
Course #	Course Title	Course #	Course Title
KIN 600	Interpersonal Aspects of Physical Activity (3 hrs)	KIN 797	Topics: Public Health Physical Activity Behavior (3 hrs)
KIN 601	Cardiorespiratory Exercise Physiology (3 hrs)	KIN 801	Physical Activity: Physiology to Public Health Impact (3 hrs)
KIN 602	Social Structural Determinants of Physical Activity (3 hrs)	KIN 805	Physical Activity and Human Behavior (3 hrs)
KIN 603	Cardiovascular Exercise Physiology (3 hrs)	KIN 808	Social Epidemiology of Physical Activity (3 hrs)
KIN 606	Topics in the Behavioral Basis of Kinesiology (3 hrs)	KIN 815	Research Methods in Kinesiology (3 hrs)
KIN 607	Muscle Exercise Physiology (3 hrs)	MC 750	Strategic Health Communication (3 hrs) (alternate years)
KIN 609	Environmental Physiology (3 hrs)	STAT 705	Regression and Analysis of Variance (3 hrs)
KIN 610	Program Planning and Evaluation (3 hrs)	STAT 710	Sample Survey Methods (3 hrs)
KIN 612	Policy, Built Environment and Physical Activity (3 hrs)	STAT 716	Non-parametric Statistics (3 hrs)
KIN 614	Physical Activity Behavior Settings: Youth Sport to Senior Centers (3 hrs)	STAT 717	Categorical Data Analysis (3 hrs)
KIN 625	Exercise Testing and Prescription (3 hrs)	STAT 720	Design Experiments (3 hrs)
KIN 635	Nutrition and Exercise (3 hrs)	STAT 725	Intro to SAS Computing (1 hr)
KIN 655	Individual Physical Activity Promotion (3 hrs)	STAT 730	Multivariate Statistical Methods (3 hrs)
KIN 657	Therapeutic Use of Exercise in the Treatment of Disease (3 hrs)		