

The University Of Toledo

Program Requirement Revision Form

Administrative Use Only (rev 9/2011)	
Code:	CM
Date Received:	/ / (dd/mm/yyyy)
Date Effective:	/ / (dd/mm/yyyy)

Please list the proposed program structure.

College: CHS	Dept: Kinesiology
Contact Person: Sue Wambold	Phone: 419-530-4688
Email: suzanne.wambold@utoledo.edu	
Program Name: Bachelor of Science in Exercise Science (Concentration in Human Performance and Fitness Promotion (HPFP))	
Program Level: <input type="checkbox"/> Graduate <input checked="" type="checkbox"/> Undergraduate	

CHANGES AND REASONS FOR CHANGES

- 1) Proposed changes will assist in reducing the program credit hours down to meet the 120 credit hour requirement for the degree.
- 2) Request to change name of program concentration from Health Promotion and Human Performance to Human Performance and Fitness Promotion (HPFP) This change is to decrease the confusion with the other Health Promotion Programs
- 3) Removal of KINE 3820 - Sports Medicine for Coaches (3 0 credit hours) from HPFP concentration The course content is either no longer in alignment with the certification requirements and/or is covered in more appropriate courses
- 4) Removal of KINE 3920 - Cardiopulmonary Pathophysiology (3.0 credit hours) from the HPFP concentration. The course content has been reviewed by faculty members in the program and has been redistributed to more appropriate courses including, KINE 2580 - Human Pathophysiology of Health Care, KINE 3830 - Principles of Strength and Conditioning, KINE 4830 - Principles of Endurance Conditioning KINE 3850 - Cardiac Dysrhythmia Interpretation and KINE 4850 - Clinical Exercise Testing. A discussion of the various pathologies are not incorporated into these courses at the appropriate time and topic
- 5) Removal of KINE 3940 - Practicum (3 0 credit hours) from HPFP concentration. Students are only required to have 500 internship hours to sit for the ACSM credentialing exam Students are able to achieve all of the required hours in Internship I and Internship II

6) Removal of RCBS 3300 (1.0 credit hour) from HPFP concentration. Students are only required to have CPR for Health Care Providers with AED training to attend interships.

7) Addition of a new course KINE 3860 - *Cardiac Dysrhythmias Interpretation Laboratory* (1 0 credit hour) to the HPFP concentration. In addition to the theory and practice that students receive during the existing lecture KINE 3850 - *Cardiac Dysrhythmias Interpretation*, the addition of a laboratory experience is required for the students to gain sufficient hands-on practice in the application of electrodes and obtaining 12 lead electrocardiography (EKG) recordings for interpretation. Students will utilize a rhythm simulator to analyze dysrhythmias that may occur during a resting EKG or cardiac stress test. The theory is taught in KINE 3850, but practical application is needed to be successful in achieving the course objectives established by the Job Task Analysis of the American College of Sports Medicine.

The equipment for this lab is currently located in HH 2307

(Please refer to the New Course Proposal - KINE 3860 - *Cardiac Dysrhythmias Interpretation Laboratory*)

8) Addition of a new course KINE 3950 - *Research Design in Exercise Science* (3.0 credit hours) to the HPFP concentration. There are very few instances in our department where the student is not presented with some form of data or findings of research when discussing the role of physical activity in maintaining a healthy lifestyle, in an effort to improve athletic performance or to prevent the decline in health associated with aging or disease. In addition, many of our students either participate in research activities or will eventually participate in research projects as they pursue graduate education. However, our students are not currently exposed to any coursework that requires them to consider research design, statistical analysis or the reading and interpretation of research related to their field of study. A course in research design provides students with an opportunity to develop their critical thinking skills as it relates to the growing body of literature and improve their ability to read, assess and understand the rapidly growing body of literature in our area of study.

(Please refer to the New Course Proposal - KINE 3950 - *Research Design in Exercise Science*)

9) Addition of an already approved course KINE 2580 - *Human Pathophysiology of Health Care* (3 0 credit hours) to the HPFP concentration. There was considerable overlap in the content of several courses being taught in our department. The addition of this course to the HPFP program allowed us to remove KINE 3920 - *Cardiopulmonary Pathophysiology* from the HPFP program, content is covered in remaining existing courses.

10) Requirement of a C or better in the KINE, HPFP courses/program of study. Students who achieve a grade of less than a C do not demonstrate the competence to progress to the advanced courses. Students in the HPFP concentration are being prepared for credentialing exams through the American College of Sports Medicine.

(CPT, HFS) and from the National Strength and Conditioning Association (CSCS) exam.

The following is a list of courses which require a C or better to move forward in the HPFP program

KINE 2510 - Human Anatomy

KINE 2520 - Human Anatomy Laboratory

KINE 2530 - Human Physiology

KINE 2540 - Human Physiology Laboratory

KINE 2560 - Human Anatomy and Physiology I

KINE 2460 - Human Anatomy and Physiology I Laboratory

KINE 2570 - Human Anatomy and Physiology II

KINE 2470 - Human Anatomy and Physiology II Laboratory

KINE 3240 - Concepts of Exercise, Fitness and Health Strategies

KINE 3520 - Applied Exercise Physiology

KINE 3530 - Applied Exercise Physiology Laboratory

KINE 3620 - Professional Responsibilities in Fitness Industry

KINE 3680 - Exercise and Sport Pharmacology

KINE 3830 - Principles of Strength and Conditioning

KINE 3850 - Cardiac Dysrhythmias Interpretation

KINE 3860 - Cardiac Dysrhythmias Interpretation Laboratory (refer to proposed new course)

KINE 3940 - Research Design in Exercise Sciences (refer to proposed new course)

KINE 4140 - Fitness Internship I

KINE 4210 - Exercise Facility Management

KINE 4640 - Neurological and Pathological Foundations of Rehabilitation

KINE 4830 - Principles of Endurance Conditioning

KINE 4850 - Clinical Exercise Testing

KINE 4860 - Clinical Exercise Testing Laboratory

KINE 4840 - Fitness Internship II

APPROVAL:

	Signature	Date
Department Curriculum Authority.		2/20/14

Department Chairperson:	<i>Bary W. Schweitzer</i>	2/26/14
College Curriculum Authority	<i>[Signature]</i>	3-31-14
College Dean	<i>Barbara J. Benjan</i>	3.31.14

After college approval, submit the original signed form to the Faculty Senate (UH3320) for undergraduate-level courses, for graduate-level courses submit the original signed form to the Graduate School (UH3240)

	Signature	Date
FS Acad Programs or Graduate Council:		
Office of the Provost		
Registrar's Office.		

HUMAN PERFORMANCE and FITNESS PROMOTION

Term	SUBJECT	NUMBER		COURSE TITLE	CR HRS	COURSE REQUIREMENTS	Notes
First Term							
	ENGL	1110	ENGL 1110	Composition I	3		
	HHS	1000	HHS 1000	Orientation	1		
	KINE	1700	KINE 1700	Intro to Exercise Science	2		
	MATH	1340	MATH 1340	Algebra & Trigonometry	4		
	BIOL	2150	BIOL 2150	Fund of Life Science I	4		
	BIOL	2160	BIOL 2160	Fund of Life Science I Lab	1		
Second Term					15		
	CHEM	1230	CHEM 1230	General Chemistry I	4		
	CHEM	1280	CHEM 1280	General Chemistry I Lab	1		
	ENGL	2950	ENGL 2950	Scientific Tech Report Writing	3		
	HEAL	1800	HEAL 1800	Medical Terminology	3		
	ELECTIVE			Humanities/Fine Arts	3		
	ELECTIVE			Social Science	3		
Third Term					17		
	KINE	2510	KINE 2510	Human Anatomy	3	C or Better	
	KINE	2520	KINE 2520	Human Anatomy Lab	1	C or Better	
	KINE	3240	KINE 3240	Conc of EXSC Fit Heal Strat (FL)	3	C or Better	
	PHYS	2070	PHYS 2070	General Physics I (FL/SSI)	5		
	ELECTIVE			Multicultural U S	3		
Fourth Term					15		
	COMM	2840	COMM 2840	Interpersonal Communication	4		
	KINE	2530	KINE 2530	Human Physiology	3	C or Better	
	KINE	2540	KINE 2540	Human Physiology Lab	1	C or Better	
	KINE	4540	KINE 4540	Biomechanics	3		
	KINE	4550	KINE 4550	Biomechanics Lab	1		
	KINE	3680	KINE 3680	Exercise & Sport Pharm (SP)	2	C or Better	
Fifth Term					14		
	KINE	3850	KINE 3850	Cardiac Dysrhythmias Inter (FL)	3	C or Better	
	KINE	3860	KINE 3860	Cardiac Dysrhythmias Inter Lab	1	C or Better	Add New Course (Lab Only)
	KINE	3520	KINE 3520	Applied Exercise Physiology	3	C or Better	
	KINE	3530	KINE 3530	Exercise Physiology Lab	1	C or Better	
	KINE	3830	KINE 3830	Prin Stren and Condition (FL)	3	C or Better	

	KINE	3620	KINE 3620	Prof Respon in Fit Ind (FL)		3	C or Better	
	KINE	4830	KINE 4830	Prin of Endurance Cond (FL)		3	C or Better	
Sixth Term						17		
	KINE	4700	KINE 4700	Nutritional Science		3		
	KINE	4850	KINE 4850	Clinical Exercise Testing (SP)		3	C or Better	
	KINE	4860	KINE 4860	Clinical Exercise Testing Lab		1	C or Better	
	KINE	2580	KINE 2580	Human Patho for Healt Care		3		Existing Course, Add to POS
	ELECTIVE			Social Science Elective		3		
	ELECTIVE			Multicultural Non Western		3		
Seventh Term						16		
	KINE	3950	KINE 3950	Research Design in Exerc Sci		3	C or Better	Add New Course
	KINE	4640	KINE 4640	Neuro/Patho Foundations		3	C or Better	
	HEAL	4750	HEAL 4750	Obes and Eat Disorders (FL)		3		
	KINE	4140	KINE 4140	Fitness Intership I (FL)		4	C or Better	
Eighth Term						13		
	KINE	4210	KINE 4210	Exer Fac Management		3		
	KINE	4840	KINE 4840	Fitness Intership II (SP)		4	C or Better	
	ELECTIVE			ELECTIVE		3		
	ELECTIVE			ELECTIVE		3		
						13		
				Total Earned Credit Hours		120		
Electives	EFSB	3500	EFSB 3500	Intro to Entrepren for Non-Bus		3		
	LGL	1150	LGL 1150	Tort Law		3		
	LGL	3010	LGL 3010	Law of Business Associations		3		
	LGL	4030	LGL 4030	Contract Law		3		
	HEAL	3800	HEAL 3800	Death and Dying		3		
	HEAL	4100	HEAL 4100	Health Behavior		3		
	HEAL	4560	HEAL 4560	Health Problems of Aging		3		
	Other electives as approved by Department Chair, Program Director or Academic Advisor							
C or Better	Student must maintain a C or better in the courses indicated in order to progress satisfactorily in the HPFP concentration							
								Reviewed 1/23/2014