

Approved by Faculty Senate 4/15/10

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN
NO. 8 addendum no. 1
Spring 2010**

---COURSES---

The courses listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. All new and revised courses are printed in their entirety under the headings Current and Proposed, respectively. The column to the far right indicates the date each change becomes effective.

Prefix	Course Number	New Revise Drop	Current	Proposed	Effective Date
AFS	302	New	-- N/A --	[M] Introduction of Agroecology 3 Prereq Soils 210. Same as Soils 302.	8-10
Biol	130	New	-- N/A --	[B] Biology of the Oceans 3 Survey of the ocean biosphere including physical and chemical aspects and the biology of marine organisms in specific marine environments.	8-10
Desgn	396	New	-- N/A --	Introduction to Digital Modeling 3 Prereq certified design major. Computer-aided drafting (CAD) fundamentals and basic theoretical concepts related to its use in professional design practice.	8-10
Desgn	397	New	-- N/A --	3-D Digital Modeling and Project Information Management I 3 Prereq I D 297. 3-D digital modeling as a medium to support design visualization, investigation and communication including project information management; emphasis on Revit suite software.	8-10
Desgn	497	New	-- N/A --	3-D Digital Modeling and Project Information Management II 3 Prereq Desgn 397. Integration of advanced building information modeling (BIM) techniques utilizing complex applications within the	8-10

				Revit software suite.	
Desgn	498	New	-- N/A --	Advanced Digital Modeling 3 Desgn 497. Broad integration of Non-Uniform Rational B-spline (NURBS) modeling techniques including practical fundamentals and theoretical concepts of modeling, rendering and animation.	8-10
H D	320	Revise	Resource Management and Problem Solving 3 Prereq 6 hours of social science . Styles of managing material, human and environmental resources with families; various approaches to problem solving with individuals and families.	[M] Resource Management and Problem Solving 3 Prereq 6 hours of <u>Anth, H D, Psych or Soc</u> . Styles of managing material, human and environmental resources with families; various approaches to problem solving with individuals and families.	8-10
NEP		New	-- N/A --	New prefix “NEP” for Nutrition and Exercise Physiology	8-10
NEP	300	Revise	[M] Professional Preparation 2 Prereq junior standing certified exercise physiology and metabolism major. ADA and ACSM standards of practice, code of ethics; societal and cultural issues that impact the health care industry.	(ExMet) [M] Professional Preparation 2 Prereq junior standing certified <u>nutrition and exercise physiology</u> major. ADA and ACSM standards of practice, code of ethics; societal and cultural issues that impact the health care industry.	8-10
NEP	320	Revise	Strength Training and Conditioning; Theory and Application 4 Prereq Biol 251; Biol 315 or MvtSt 262. Application of scientific principles of strength and conditioning as it relates to exercise training and sports.	(ExMet) Strength Training and Conditioning; Theory and Application 4 Prereq Biol 251; Biol 315 or MvtSt 262. Application of scientific principles of strength and conditioning as it relates to exercise training and sports.	8-10
NEP	340	Revise	Foods with Application to Physical Activity 3 (2-3) Prereq one semester of organic chemistry. Experimental approach to physical, chemical and sensory properties of foods; overview of culinary techniques, technology and application to physical activity.	(ExMet) Foods with Application to Physical Activity 3 (2-3) Prereq one semester of organic chemistry. Experimental approach to physical, chemical and sensory properties of foods; overview of culinary techniques, technology and application to physical activity.	8-10
NEP	362	Revise	Biomechanical Analysis 3 Prereq [N] GER math course; MvtSt 262 or	(ExMet) Biomechanical Analysis 3 Prereq [N] GER math	8-10

			Biol 315. Applied sport, clinical and occupational biomechanics.	course; Biol 315, MvtSt 262. Applied sport, clinical and occupational biomechanics.	
NEP	400	Revise	Macronutrient Metabolism 3 Prereq MBioS 233, MBioS 303. Digestion, absorption, and metabolism of carbohydrates, protein and fats, and their utilization for energy.	(ExMet) Macronutrient Metabolism 3 Prereq MBioS 233, 303. Digestion, absorption, and metabolism of carbohydrates, protein and fats, and their utilization for energy.	8-10
NEP	401	Revise	Community Supervised Practice 9 Prereq completion of all exercise physiology and metabolism requirements through the 4th year. Advanced principles of community dietetic nutrition education along with hands-on community supervised practice experience.	(ExMet) Community Supervised Practice 9 Prereq completion of all <u>nutrition and exercise physiology</u> requirements through the 4th year. Advanced principles of community dietetic nutrition education along with hands-on community supervised practice experience.	8-10
NEP	402	Revise	Vitamin and Mineral Metabolism 2 Prereq ExMet 400 . Absorption and metabolism of vitamins and minerals and their role in macronutrient metabolism and nutritional requirements for maintenance of health.	(ExMet) Vitamin and Mineral Metabolism 2 Prereq <u>NEP 400</u> . Absorption and metabolism of vitamins and minerals and their role in macronutrient metabolism and nutritional requirements for maintenance of health.	8-10
NEP	427	Revise	Nutritional Assessment and Lifestyle Counseling 3 (2-3) Prereq FSHN 233 , Psych 105. Basic skills and concepts of nutrition assessment and lifestyle counseling of ambulatory adults using dietary intakes, menu planning and communication skills.	(ExMet) Nutritional Assessment and Lifestyle Counseling 3 (2-3) Prereq <u>MBioS 233</u> , Psych 105. Basic skills and concepts of nutrition assessment and lifestyle counseling of ambulatory adults using dietary intakes, menu planning and communication skills.	8-10
NEP	435	Revise	Exercise, Diet and Disease 4 Prereq ExMet 400; ExMet 402; ExSci 463 . Pathophysiology of disease and implications for dietary and exercise interventions.	(ExMet) Exercise, Diet and Disease 4 Prereq <u>NEP 402, 463</u> . Pathophysiology of disease and implications for dietary and exercise interventions.	8-10
NEP	437	Revise	Diet Therapy 4 Prereq completion of all exercise physiology and metabolism requirements through the 4th year. Theoretical and practical base for diet modification and nutritional therapy in health and a variety of disease states.	(ExMet) Diet Therapy 4 Prereq completion of all <u>nutrition and exercise physiology</u> requirements through the 4th year. Theoretical and practical base for diet modification and nutritional therapy in health and a variety of	8-10

				disease states.	
NEP	440	Revise	Clinical Supervised Practice 11 Prereq completion of all exercise physiology and metabolism requirements through the 4th year. Professional supervised experience offsite in clinical dietetics. Meets American Dietetic Association requirements for registration eligibility. S, F grading.	(ExMet) Clinical Supervised Practice 11 Prereq completion of all <u>nutrition and exercise physiology</u> requirements through the 4th year. Professional supervised experience offsite in clinical dietetics. Meets American Dietetic Association requirements for registration eligibility. S, F grading.	8-10
NEP	450	Revise	Management and Facilities 3 Prereq senior standing; certified exercise physiology and metabolism major. Essential skills and guidelines for those in the health facility industry in establishing and maintaining a safe and proper facility.	(ExMet) Management and Facilities 3 Prereq senior standing; <u>nutrition and exercise physiology</u> major. Essential skills and guidelines for those in the health facility industry in establishing and maintaining a safe and proper facility.	8-10
NEP	451	Revise	Management Practices in Food Science 5 (1-11) Prereq completion of all exercise physiology and metabolism requirements through the 4th year. Advanced principles of food systems; institutional food service management along with offsite, hands-on food service supervised practice experience.	(ExMet) Management Practices in Food Science 5 (1-11) Prereq completion of all nutrition and exercise physiology requirements through the 4th year. Advanced principles of food systems; institutional food service management along with offsite, hands-on food service supervised practice experience.	8-10
NEP	458	Revise	Nutrition and Exercise Throughout the Life Cycle 4 Prereq senior standing in exercise physiology and metabolism. Physical activity relating to nutritional needs and dietary patterns from infancy through old age and including maternal nutrition. Cooperative course taught by UI, open to WSU students (FCS 486).	(ExMet) Nutrition and Exercise Throughout the Life Cycle 4 Prereq senior standing in nutrition and exercise physiology. Physical activity relating to nutritional needs and dietary patterns from infancy through old age and including maternal nutrition.	8-10
NEP	463	Revise	Advanced Exercise Physiology 4 (3-3) Prereq Biol 251; Biol 315 or MvtSt 262. Advanced undergraduate exercise physiology with emphasis on mechanisms regulating physiological responses to exercise across the life span.	(ExSci) Advanced Exercise Physiology 4 (3-3) Prereq Biol 251, Biol 315 or MvtSt 262. Advanced undergraduate exercise physiology with emphasis on mechanisms regulating physiological responses to exercise across the life span.	8-10
NEP	465	Revise	[M] Nutrition and Exercise	(ExMet) [M] Nutrition and	8-10

			Assessment 3 (2-3) Prereq ExMet 400, ExSci 463, FSHN 427 . Field and laboratory techniques and tools required to properly assess nutritional and physiological parameters.	Exercise Assessment 3 (2-3) Prereq <u>NEP 400, 463, 427</u> . Field and laboratory techniques and tools required to properly assess nutritional and physiological parameters.	
NEP	470	Revise	Sports Nutrition 3 Prereq ExSci 463, FSHN 233, MBioS 303 . Identification of energy, macro/micronutrients and fluid requirements during exercise; evaluation of dietary practices and ergogenic aids for pre- and post-competition, weight maintenance.	(ExMet) Sports Nutrition 3 Prereq <u>NEP 463, MBioS 233, 303</u> . Identification of energy, macro/micronutrients and fluid requirements during exercise; evaluation of dietary practices and ergogenic aids for pre- and post-competition, weight maintenance.	8-10
NEP	473	Revise	Nutrition in the Community 2 Prereq completion of all exercise physiology and metabolism requirements through the 4th year. Public health nutrition including assessment of communities, problem list development, program planning and an overview of existing programs and services.	(ExMet) Nutrition in the Community 2 Prereq completion of all <u>nutrition and exercise physiology</u> requirements through the 4th year. Public health nutrition including assessment of communities, problem list development, program planning and an overview of existing programs and services.	8-10
NEP	476	Revise	Exercise Testing and Prescription 3 (2-3) Prereq ExSci 463 . Principles of exercise testing and prescription based on current practices in physical education, physiology, and rehabilitation.	(ExSci) Exercise Testing and Prescription 3 (2-3) Prereq <u>NEP 463</u> . Principles of exercise testing and prescription based on current practices in physical education, physiology, and rehabilitation.	8-10
NEP	478	Revise	Electrocardiography, Medications and Procedures 3 (2-3) Prereq ExMet 435; ExSci 463; ExSci 476 . Development of ECG interpretation skills, including 12-leads, with emphasis on procedures and impact of medication in resting and exercising persons.	(ExMet) Electrocardiography, Medications and Procedures 3 (2-3) Prereq <u>NEP 435; 476</u> . Development of ECG interpretation skills, including 12-leads, with emphasis on procedures and impact of medication in resting and exercising persons.	8-10
NEP	479	Revise	Nutrition and Exercise Practicum 3 (1-6) May be repeated for credit; cumulative maximum 6 hours. Prereq ExMet 300; ExMet 400; ExMet 402; ExMet 427; ExMet 435; ExMet 465; ExSci 463; ExSci 476 . Supervised experience in applying exercise and nutrition assessment techniques and	(ExMet) Nutrition and Exercise Practicum 3 (1-6) May be repeated for credit; cumulative maximum 6 hours. Prereq <u>NEP 435, 465, 476</u> . Supervised experience in applying exercise and nutrition assessment techniques and developing	8-10

			developing exercise and nutrition prescription for normal and diseased subjects.	exercise and nutrition prescription for normal and diseased subjects.	
NEP	480	Revise	Cardiopulmonary Rehabilitation 4 (3-3) Prereq ExMet 435; ExMet 465; ExMet 478; ExSci 463; ExSci 476. Principles and applications of exercise and nutrition assessment/prescription and program management to cardiopulmonary and rehabilitation situations and populations.	(ExMet) Cardiopulmonary Rehabilitation 4 (3-3) Prereq <u>NEP 465; 478.</u> Principles and applications of exercise and nutrition assessment/prescription and program management to cardiopulmonary and rehabilitation situations and populations.	8-10
NEP	490	Revise	Nutrition and Exercise Internship 10 (0-30) Prereq completion of all coursework for BS in Exercise Physiology and Metabolism. Supervised offsite exercise and nutrition field experience to assess normal and diseased clients and develop/apply nutrition and exercise prescriptions. S, F grading.	(ExMet) Nutrition and Exercise Internship 10 (0-30) Prereq completion of all coursework for BS in <u>nutrition and exercise physiology.</u> Supervised offsite exercise and nutrition field experience to assess normal and diseased clients and develop/apply nutrition and exercise prescriptions. S, F grading.	8-10
SoilS	302	New	-- N/A --	[M] Introduction of Agroecology 3 Prereq Soils 210. Agroecological crop production through case study analyses and applications of ecological principles in traditional and modern farming systems.	1-11
UColl	304	Revise	Explore 2 Topic-based seminar for undecided second year and transfer students who work closely with research faculty while also exploring major and career areas of interest.	(GenEd 105) Seminar in Focused Exploration and Leadership 2 Prereq 30 semester hours. <u>Seminar designed for students in transition to become better acclimated to the university environment and to aid in achieving academic and personal success.</u>	8-10
W St	320	Revise	Resource Management and Problem Solving 3 Prereq 6 hours of <u>social science.</u> Same as H D 320.	[M] Resource Management and Problem Solving 3 Prereq 6 hours of <u>Anth, H D, Psych or Soc.</u> Same as H D 320.	8-10