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Utah State University, "Educational Policies Committee Program Proposal, Emma Eccles Jones College of Education and Human Services, September 16, 2011 – Heath Science Emphasis Request" (2011).

Educational Policies Committee. Paper 660.

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Health Science Emphasis Request
Department of Health, Physical Education and Recreation
Emma Eccles Jones College of Education and Human Services
Utah State University

Section I: Request

The Department of Health, Physical Education and Recreation in the Emma Eccles Jones College of Education and Human Services has for many years offered a program in Health Education and Promotion (previously named Health Education Specialist) to prepare students to either work in public and private school systems as health teachers (School Health Education emphasis) or to work as health education specialists in public health departments, medical care settings, corporate wellness programs, and non-profit agencies (Community Health emphasis). In recent years students have expressed an interest in this degree who intend to pursue further study in a health or medical field or anticipate health science related employment for which an education beyond a bachelor's degree is not required. Therefore the specific methods and skills courses that apply to the present emphases (school health education or community health) would not be appropriate. The proposed emphasis in Health Science will meet this demand whereby students are seeking an undergraduate education in health but are not intending to seek employment in the public schools or with community health agencies. The Health Science emphasis will also appeal to students seeking a health promotion and disease prevention oriented degree. It is requested that USU be authorized to offer a new Health Science emphasis within the Health Education and Promotion Bachelor of Science (B.S.) degree beginning Fall Semester, 2011.

Section II: Need

The proposed health science emphasis is being requested to meet a need by students who are seeking an undergraduate education in health, but who do not require the specific school health or community health methods and skills courses that exist in the current emphases. The majority of students that would select this emphasis are those who intend to pursue further study in a health or medical field, or who anticipate health-science related employment for which an education beyond a bachelor's degree is not required.

Section III: Institutional Impact

With this available emphasis the department expects a modest increase in enrollment, but does not anticipate negative impact on other programs at the institution.

Section IV: Finances

The proposed emphasis utilizes the existing academic infrastructure and requires no new courses or faculty. There will be no negative financial impact on the department or institution.

Appendix A: Health Education and Promotion Emphases Compared

(Proposed) Health Science Emphasis (60 credits)

A. Core Requirements (24 credits)

HEP 2000	First Aid & Emergency Care (f, sp)	(2)
HEP 2500	Health & Wellness (f, sp)	(2)
HEP 3000	Drugs & Human Behavior (f)	(3)
HEP CI 3600	Introduction to Community Health (f)	(3)
HEP CI 5000	Race, Culture, Class, & Gender Issues in Health(sp)	(3)
BIOL 2320	Human Anatomy (sp)	(4)
BIOL 2420 or 4600	Human Physiology (f, sp) or Advanced Physiology (sp)	(4-5)
NFS BLS 1020	Science Application of Human Nutrition (f, sp)	(3)

B. Required Professional Core (12 credits)

HEP 4100	Foundations of Community Health (sp)	(3)
NFS 4480	Community Nutrition (f)	(3)
PUBH 4030	Communicable Disease Control (f)	(3)
PUBH 4040	Fundamentals of Epidemiology (sp)	(3)

C. Professional Development (24 credits are required)

Biological Science (Choose 0-24 credits)

BIOL BLS 1010	Biology and the Citizen (f, sp)	(3)
BIOL 1020	Biology and the Citizen Laboratory (f, sp)	(1)
BIOL 1610	Biology I (f)	(4)
BIOL BLS 1620	Biology II (sp)	(4)
BIOL 2060	Elementary Microbiology (f)	(4)
BIOL 2520	Pathophysiology (not available at Logan Campus)	(3)
BIOL 3010	Evolution (sp)	(3)
BIOL QI 3060	Principles of Genetics (f, sp)	(4)
BIOL CI 3100	Bioethics (sp)	(3)
BIOL 3300	General Microbiology (f, sp)	(4)
BIOL 4000	Human Dissection (f)	(1)
BIOL 5210	Cell Biology (f)	(3)
NFS 2020	Nutrition Throughout the Life Cycle (sp)	(3)
NFS 3600	Medical Terminology for Health Professionals	(1)
PUBH 3120	Family and Community Health (sp)	(3)

Physical Science and Mathematics (Choose 0-24 credits)

CHEM 1210	Principles of Chemistry I (f, sp)	(4)
CHEM 1215	Chemistry Principles Laboratory I (f, sp)	(1)
CHEM BPS 1220	Principles of Chemistry II (f, sp)	(4)
CHEM 1225	Chemistry Principles Laboratory II (f, sp)	(1)
CHEM BPS 1110	General Chemistry I (f)	(4)
CHEM 1115	General Chemistry Laboratory (sp)	(1)
CHEM BPS 1120	General Chemistry II (sp)	(4)
CHEM2300	Principles of Organic Chemistry (f)	(3)
CHEM 2310	Organic Chemistry I (f)	(4)
CHEM 2315	Organic Chemistry Laboratory I (f)	(1)

CHEM 2320	Organic Chemistry II (sp)	(4)
CHEM 2325	Organic Chemistry Laboratory II (sp)	(1)
CHEM 3700	Introductory Biochemistry (sp)	(3)
CHEM 3710	Introductory Biochemistry Laboratory(sp)	(1)
CHEM 5700	General Biochemistry I (f)	(3)
MATH 1100	Calculus Techniques (f, sp)	(3)
MATH 1210	Calculus I (f, sp, su)	(4)
PHYS BPS 1100	Great Ideas in Physics	(3)
PHYS BPS 1200	Intro to Physics by Hands on Exploration	(4)
PHYS 2110	General Physics -Life Sciences I (f)	(4)
PHYS BPS 2120	General Physics -Life Sciences II (sp)	(4)
STAT QI 2000	Statistical Methods	(3)
STAT QL 2300 Business	Statistics (f, sp)	(4)
STAT QI 3000	Statistics for Scientists (f, sp)	(3)

Social Science and Supportive Courses (Choose 0-8 credits)

ANTH DSS 4130	Medical Anthropology (sp)	(3)
FCHD BSS 1500	Human Development Across the Lifespan (f, sp)	(3)
FCHD 3100	Abuse and Neglect in Family Context (sp)	(3)
FCHD 3110	Human Sexuality (f)	(3)
FCHD 3530	Adolescence (f, sp)	(3)
HEP 3200	Consumer Health (online only)	(3)
HEP 3400	Stress Management (online only)	(3)
HEP 5700	Special Topics in Health (f, sp, su)	(1-3)
HEP 4250	Advanced Cooperative Work Experience (f, sp, su)	(1-10)
PEP 4100	Exercise Physiology (f, sp)	(4)
PEP QI 4200	Biomechanics (f, sp)	(4)
PSY BSS 1010	General Psychology (f, sp)	(3)
PSY 1100	Developmental Psy: Infancy & Childhood (f, sp)	(3)
PSY 1210	Psychology of Human Adjustment (f, sp)	(3)
PSY 2100	Developmental Psychology: Adolescence (sp)	(3)
PSY 3210	Abnormal Psychology (f, sp)	(3)
PSY 3510	Social Psychology (f, su)	(3)
PSY 4240	Multicultural Psychology (f)	(3)
SOC 3330	Medical Sociology (f)	(3)
SOC 3750	Sociology of Aging	(3)
SPAN 3100	Spanish for Healthcare Professionals	(3)
SW 3750	Medical Social Services (f, sp)	(3)

(Existing) Community Health Emphasis (72 credits)

A. Core Requirements (27 credits)

- HEP 2000 - First Aid and Emergency Care 2
- HEP 2500 - Health and Wellness 2
- HEP 3000 - Drugs and Human Behavior 3
- HEP 3600 - Introduction to Community Health (CI) 3
- HEP 4200 - Planning and Evaluation for Health Education (QI) 3
- HEP 5000 - Race, Culture, Class, and Gender Issues in Health (CI) 3
- BIOL 2320 - Human Anatomy 4
- BIOL 2420 - Human Physiology 4
- NDFS 1020 - Science and Application of Human Nutrition (BLS) 3

B. Required Professional Core (36 credits)

- HEP 3900 - Social Marketing in Health Education 3
- HEP 4100 - Foundations of Community Health 3
- HEP 4400 - Creative Methods in Teaching Health Education 3
- HEP 4600 - Field Work in Health Education 1-9 (9 credits required)
- HEP 5300 - Grant Proposal Writing 3
- INST 5205 - Computer Applications for Instruction and Training 3
- NDFS 4480 - Community Nutrition 3
- PSY 2800 - Psychological Statistics (QI) 3
- PUBH 4030 - Communicable Disease Control 3
- PUBH 4040 - Fundamentals of Epidemiology 3

C. Elective Courses (select 9 credits)

Students must complete 9 credits of elective courses, taking at least one course from two of the following three areas:

Human Nature

- ANTH 3110 - North American Indian Cultures 3
- ANTH 4230 - Medical Anthropology: Matter, Culture, Spirit, and Health (DSS) 3
- FCHD 1500 - Human Development Across the Lifespan (BSS) 3
- FCHD 3110 - Human Sexuality 3
- FCHD 3530 - Adolescence 3
- PSY 1010 - General Psychology (BSS) 3
- PSY 1100 - Lifespan Development 3
- PSY 1210 - Psychology of Human Adjustment 3
- PSY 4240 - Multicultural Psychology (DSS) 3
- SOC 3010 - Social Inequality (DSS) 3
- SOC 3330 - Medical Sociology (DSS) 3
- SOC 2370 - Sociology of Gender 3
- SW 2100 - Human Behavior in the Social Environment 3

Content and Methods in Education

- OSS 1400 - Microcomputer Applications 3
- OSS 1550 - Business Correspondence (CI) 3
- HEP 3200 - Consumer Health 3
- HEP 3400 - Stress Management 3
- HEP 4500 - Sexuality Education Within the Schools 3
- HEP 5700 - Special Topics in Health 1-6 (1-3 credits required)

JCOM 1130 - Beginning Newswriting for the Mass Media 3
JCOM 2220 - Introduction to Video Media 3
NDFS 2020 - Nutrition Throughout the Life Cycle 3
PEP 4100 - Exercise Physiology 4
SOC 3750 - Sociology of Aging 3
SPCH 1020 - Public Speaking (BHU/CI) 3

Organizational Dynamics in the Family and Community

FCHD 3100 - Abuse and Neglect in Family Context 3
JCOM 2300 - Introduction to Public Relations 3
MGT 3110 - Managing Organizations and People (DSS) 3
MGT 3820 - International Management (DSS) 3
POLS 3810 - Introduction to Public Policy (DSS) 3
PUBH 3120 - Family and Community Health 3
PUBH 3310 - Occupational Health and Safety 3
SPCH 2110 - Interpersonal Communication (BHU/CI) 3
SPCH 3250 - Organizational Communication (CI) 3
SW 2400 - Social Work with Diverse Populations 3
SW 3750 - Medical Social Services 3

(Existing) School Health Emphasis (68 credits)

A. Required School Health Core (33 credits)

FCHD 1500 - Human Development Across the Lifespan (BSS) 3
HEP 2000 - First Aid and Emergency Care 2
HEP 2500 - Health and Wellness 2
HEP 3000 - Drugs and Human Behavior 3
HEP 3600 - Introduction to Community Health (CI) 3
HEP 4200 - Planning and Evaluation for Health Education (QI) 3
HEP 4500 - Sexuality Education Within the Schools 3
HEP 5000 - Race, Culture, Class, and Gender Issues in Health (CI) 3
BIOL 2320 - Human Anatomy 4
BIOL 2420 - Human Physiology 4
NDFS 1020 - Science and Application of Human Nutrition (BLS) 3

B. Secondary Teacher Education Program (STEP) (35 credits)

Level 1 (15-week courses)

Prerequisite: Admittance to teacher education program

INST 4015 - Technology Tools and Integration for Teachers 1-3 (1 credit required)
SCED 3100 - Motivation and Classroom Management 3
SCED 3210 - Educational and Multicultural Foundations (DSS/CI) 3
HEP 3300 - Clinical Experience I 1

HEP 4400 - Creative Methods in Teaching Health Education 3 or
Minor Special Methods Course 3

Level 2 (15-week courses)

Prerequisite: Admission to teacher education program and completion of Level 1

SPED 4000 - Education of Exceptional Individuals 2 (may be taken anytime)
SCED 4200 - Reading, Writing, and Technology (CI) 3
SCED 4210 - Cognition and Evaluation of Student Learning 3
HEP 4300 - Clinical Experience II 1 (or minor Clinical Experience II)

HEP 4400 - Creative Methods in Teaching Health Education 3 or
Minor Special Methods Course 3

Level 3 (includes 13 weeks of student teaching and 2 weeks of Student Teaching Seminar)

Prerequisite: Completion of Levels 1 and 2; Student Teaching Placement

HEP 5500 - Student Teaching Seminar 2
HEP 5630 - Student Teaching 10 (13 weeks)