

Department of Health, Physical Education and Recreation

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(**Note:** During the summer months, the advisor for the Physical Education Major is Mary Lou Reynolds.)

Degrees offered: Bachelor of Science (BS) in Health Education Specialist; BS in Parks and Recreation; BS in Physical Education; Master of Science (MS) and Master of Education (MEd) in Health, Physical Education and Recreation

Undergraduate emphases: *BS in Health Education Specialist*—School Health and Community Health; *BS in Physical Education*—Exercise Science, Pre-Physical Therapy, and Teaching

Graduate specializations: *MS*—Corporate Wellness, Exercise Science, and Health Education

Undergraduate Programs

Objectives

Undergraduate Programs of Study

The Health, Physical Education and Recreation (HPER) Department offers undergraduate programs of study designed to prepare USU students for successful careers in one of three areas: Health Education Specialist, Physical Education, or Parks and Recreation. Preparation is accomplished through well-rounded, rigorous course requirements.

Activity Courses

USU students are served by an extensive elective lifetime-skill activity course program. The number and diversity of courses encourages students to increase their lifetime participation skills and enjoy opportunities, creativity, and expression. Students may also achieve and maintain a high level of personal fitness and adopt a proactive lifestyle conducive to health and well-being.

Recreational and Intramural Activities

The intramural program is planned and conducted to meet the needs of all students regardless of skill or ability. The major objectives are to offer a wide variety of sports experiences, to encourage lifetime sports participation, to develop habits of fair play, and to provide leadership experiences. The intramural concept not only embraces the traditional highly-organized program with teams, leagues, and tournaments, but also voluntary free play activities where opportunities are provided for physical recreation for all segments of the University community.

Undergraduate Research Opportunities

Undergraduate students interested in health, physical education and recreation research are encouraged to assist faculty members with grant writing, data collection, data analysis, and report writing. Additionally, students can assist faculty members with submissions of scholarly presentations and articles, as needed.

Departmental Admission Requirements

Health Education Specialist Major and Minor

New freshmen, transfer students, and students from other USU majors who have at least a 2.75 total GPA qualify to enter the Health Education Specialist major. Students must formally apply to the School Health minor. Pre-minor coursework must be completed before application to the school health minor.

Pre-minor coursework for the School Health minor includes:

BIOL 2000 Human Physiology (F,Sp,Su) (4 cr) or	
BIOL 2010 Human Anatomy (Sp,Su) (4 cr)	4
ENGL 1010 (CL) Introduction to Writing: Academic Prose (F,Sp,Su) ...	3
HEP 2500 Health and Wellness (F,Sp,Su)	2
MATH 1050 (QL) College Algebra (F,Sp,Su) (4 cr) or	
STAT 1040 (QL) Introduction to Statistics (F,Sp,Su)	
(or higher) (3 cr)	3 or 4
NFS 1020 (BLS) Science and Application of Human Nutrition	
(F,Sp,Su)	3

For application materials and deadlines, contact the HPER Department Main Office (PE 122).

Physical Education Major and Minor

New freshmen, transfer students, and other USU majors who have at least a 2.75 total GPA qualify to enter the Physical Education major. A 2.75 total GPA is also required for the Physical Education Coaching minor.

Parks and Recreation Major and Minor

New freshmen, transfer students, and students from other USU majors who have at least a 2.5 total GPA qualify to enter the Parks and Recreation major or minor.

Course Requirements

Health Education Specialist Major

The HPER Department offers a program of study leading to a Bachelor of Science degree in Health Education. The program offers two emphasis areas. The **community health** emphasis prepares students to work in state and local health departments, clinical settings, nonprofit health organizations, wellness centers, and private industry. Students in the **school health** emphasis earn a teaching license upon graduation and will primarily teach health courses in middle and high schools. All Health Education Specialist majors will be well-prepared to sit for the nationally recognized Certified Health Education Specialist exam.

A. Core Requirements (30 credits)

The following courses are required for all students in **both** the School Health Emphasis *and* the Community Health Emphasis. A grade of C- or higher is required in all HEP courses.

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HEP 2000	First Aid and Emergency Care (F,Sp)	2
HEP 2500	Health and Wellness (F,Sp,Su)	2
HEP 3000	Drugs and Human Behavior (F,Su)	3
HEP 3200	Consumer Health (F,Su)	3
HEP 3600 (CI) ¹	Introduction to Community Health (F)	3
HEP 4200 (QI) ²	Planning and Evaluation for Health Education (F)	3
HEP 5100 (CI) ¹¹	Cultural and Complementary Medicine (Sp)	3
BIOL 2000	Human Physiology (F,Sp,Su)	4
BIOL 2010	Human Anatomy (Sp,Su)	4
NFS 1020 (BLS)	Science and Application of Human Nutrition (F,Sp,Su)	3

In addition, students must complete requirements for either the Community Health Emphasis or the School Health Emphasis, and must achieve a C- or better grade in all HEP courses. A 2.75 total GPA is required for graduation.

Community Health Emphasis (72 credits)

The Community Health emphasis offers a program of study leading to a Bachelor of Science degree as a Health Education Specialist. The emphasis requires a total of 72 credits. Students must complete the Health Education Specialist 30-credit core, and the Community Health Education 36-credit core.

A. Required Professional Core (36 credits)

HEP 3800 ²⁶	Grant Proposal Writing (Sp)	3
HEP 3900 ²⁷	Social Marketing in Health Education (Sp)	3
HEP 4100 ⁹	Foundations of Community Health (Sp)	3
HEP 4600 ¹⁰	Field Work in Health Education (F,Sp,Su)	9
INST 5400	Computer Applications for Instruction and Training (F,Sp,Su)	3
MHR 3110 (DSS) ⁸	Managing Organizations and People (F,Sp)	3
NFS 4480	Community Nutrition (F)	3
PSY 2800 (QI) ¹²	Psychological Statistics (F,Sp)	3
PUBH 4030 ¹³	Communicable Disease Control (F)	3
PUBH 4040 ¹⁴	Fundamentals of Epidemiology (Sp)	3

B. Elective Courses (select 6 credits)

Students must complete 6 credits of elective courses, taking at least one course from two of the following three areas:

Human Nature

ANTH 3110	North American Indian Cultures (F)	3
ANTH 4130 (DSS) ⁸	Medical Anthropology: Matter, Culture, Spirit, and Health (Sp)	3
FCHD 1500 (BSS) ⁸	Human Development Across the Lifespan (F,Sp)	3
FCHD 3110 ¹⁶	Human Sexuality (F,Su)	3
FCHD 3530 ¹⁶	Adolescence (F,Sp)	3
PSY 1010 (BSS) ⁸	General Psychology (F,Sp,Su)	3
PSY 1100 ¹⁵	Developmental Psychology: Infancy and Childhood (F,Sp)	3
PSY 1210 ¹⁵	Psychology of Human Adjustment (F,Sp)	3
PSY 4240 (DSS) ⁸	Multicultural Psychology (F)	3
SOC 2500	Sociology of Gender (F)	3
SOC 3010	Race, Class, and Gender (F,Sp)	3
SOC 3330	Medical Sociology (F)	3
SW 2500 ¹⁷	Human Behavior in the Social Environment (Sp)	3

Content and Methods in Education

BIS 1400 ¹⁹	Microcomputer Applications in Business (F,Sp,Su)	3
BIS 1550 (CI) ⁸	Business Correspondence (taught through Center for Independent and Distance Learning <i>only</i>)	3
HEP 3100 ²²	School Health Programs (F)	3
HEP 3400	Stress Management (F,Sp)	3
HEP 3500	Elementary School Health Education (F,Sp)	2

HEP 4400 ²²	Creative Methods in Teaching Health Education (F,Sp)	3
HEP 4500 ²²	Sexuality Education within the Schools (Sp)	3
HEP 5700	Special Topics in Health (F,Sp,Su)	1-3
JCOM 1110 ²⁰	Beginning Newswriting for the Mass Media (F,Sp,Su)	3
JCOM 2200 ²¹	Introduction to Video Media (F,Sp)	3
JCOM 3010	Communication Research Methods (F,Sp)	3
NFS 2020 ²³	Nutrition Throughout the Life Cycle (Sp)	3
PEP 4100 ²⁴	Exercise Physiology and Principles of Conditioning (F,Sp)	4
SOC 3750	Sociology of Aging (F)	3
SPCH 1050 (CI) ⁸	Public Speaking (F,Sp)	3

Organizational Dynamics in the Family and Community

FCHD 3100 ¹⁶	Abuse and Neglect in Family Context (F,Sp)	3
HEP 5000 (CI) ^{8,11}	Race, Class, and Gender Issues in Health (Arr)	3
JCOM 2300	Introduction to Public Relations (F,Sp)	3
MHR 3820 (DSS) ⁸	International Management (F,Sp)	3
POLS 3810 (DSS) ⁸	Introduction to Public Policy (F)	3
PUBH 3120	Family and Community Health (Sp)	3
PUBH 3310 ²⁵	Occupational Health and Safety (F)	3
SPCH 2600 (CI) ⁸	Interpersonal Communication (F,Sp)	3
SPCH 3250 (CI) ⁸	Organizational Communication (F)	3
SW 2400 ¹⁷	Social Work with Diverse Populations (Sp)	3
SW 3750 ¹⁸	Medical Social Services (F)	3

School Health Emphasis (74 credits)

(only for students desiring teacher licensure)

The School Health emphasis offers a program of study leading to a Bachelor of Science degree as a Health Education Specialist, and is an approved teaching major through the Department of Secondary Education. It is also necessary for students to complete an approved teaching minor (credits will vary). Students must complete the Health Education Specialist 30 credit core, the Secondary Education 35 credit core, and the School Health Education 9 credit core.

Note: Students must be formally approved by the HPER academic advisor and accepted into the School Health Emphasis before enrolling for School Health Core Courses.

A. Required School Health Core (9 credits)

FCHD 1500 (BSS) ⁸	Human Development Across the Lifespan (F,Sp)	3
HEP 3100 ⁵	School Health Programs (F)	3
HEP 4500 ⁵	Sexuality Education within the Schools (Sp)	3

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

Level 1 (15-week courses)³

INST 3500	Technology Tools for Secondary Teachers (F, Sp, Su)	1
SCED 3100	Motivation and Classroom Management (F,Sp)	3
SCED 3210 (CI/DSS)	Educational and Multicultural Foundations (F,Sp)	3
HEP 3300 ⁶	Clinical Experience I (or minor Clinical Experience I) (F,Sp)	1
HEP 4400 ⁷	Creative Methods in Teaching Health Education (F,Sp) (3 cr) or Minor Special Methods Course (3 cr)	3

Level 2 (15-week courses)⁴

SPED 4000	Education of Exceptional Individuals (may be taken anytime) (F,Sp,Su)	2
SCED 4200 (CI)	Reading, Writing, and Technology (F,Sp)	3
SCED 4210	Cognition and Evaluation of Student Learning (F,Sp)	3
HEP 4300 ⁵	Clinical Experience II (or minor Clinical Experience II) (F,Sp)	1

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HEP 4400 ⁷ Creative Methods in Teaching Health Education (F,Sp) (3 cr) or Minor Special Methods Course (3 cr).....	3
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Level 3 (includes 13 weeks of student teaching and 2 weeks of Student Teaching Seminar)⁶

HEP 5500 ⁵ Student Teaching Seminar (2 weeks) (F,Sp).....	2
HEP 5630 ⁵ Student Teaching (13 weeks) (F,Sp).....	10

School Health Minor (33 credits)

Note: This is an approved teaching minor through the Department of Secondary Education. Students must be formally accepted into the School Health minor before enrolling for the School Health Education Core Courses. Students completing this minor *must* have a teaching major. Applications for the minor are available from the HPER Department. Prior to admission to the minor, the following courses must be completed: ENGL 1010, BIOL 2000 or 2010, HEP 2500, MATH 1050 or STAT 1040 (or higher), and NFS 1020. A grade of C- or higher is required in all HEP courses.

FCHD 1500 (BSS) ⁸ Human Development Across the Lifespan (F,Sp)...	3
HEP 2000 First Aid and Emergency Care (F,Sp,Su).....	2
HEP 2500 Health and Wellness (F,Sp,Su).....	2
HEP 3000 Drugs and Human Behavior (F,Su).....	3
HEP 3100 ⁵ School Health Programs (F).....	3
HEP 3200 Consumer Health (F,Su).....	3
HEP 3300 ⁵ Clinical Experience I (F,Sp) (1 cr) or HEP 4300 ⁵ Clinical Experience II (F,Sp) (1 cr).....	1
HEP 4400 ⁵ Creative Methods in Teaching Health Education (F,Sp).....	3
HEP 4500 ⁵ Sexuality Education within the Schools (Sp).....	3
HEP 5100 (CI) ¹¹ Cultural and Complementary Medicine (Sp).....	3
BIOL 2000 Human Physiology (F,Sp,Su) (4 cr) or BIOL 2010 Human Anatomy (Sp,Su) (4 cr).....	4
NFS 1020 (BLS) Science and Application of Human Nutrition (F,Sp,Su).....	3

¹Prerequisite: HEP 2500.

²Prerequisites: HEP 3600; and STAT 1040 or MATH 1030 (or higher). HEP 3100 or 4100 is recommended prior to taking this course. Senior standing is also recommended.

³Prerequisite: Admittance to teacher education program.

⁴Prerequisite: Admission to teacher education program and completion of level 1.

⁵Prerequisite: Formal acceptance into the School Health emphasis or School Health minor.

⁶Prerequisite: Completion of Levels 1 and 2; Student Teaching Placement.

⁷Students in the School Health emphasis must receive formal acceptance into the emphasis prior to taking HEP 4400. During the level in which HEP 4400 is not taken (either Level 1 or Level 2), students should complete a minor special methods course.

⁸Course approved for University Studies credit.

⁹Prerequisite: HEP 2500.

¹⁰Prerequisites: HEP 3600, 4100, and consent of instructor.

¹¹Prerequisite: Junior standing (or higher).

¹²Prerequisite: STAT 1040 (or higher).

¹³It is recommended that BIOL 1110 or 3300; or BIOL 2000 and 2010 be completed prior to taking PUBH 4030.

¹⁴It is recommended that a course in statistics, such as STAT 3000 or PSY 2800, and PUBH 4030 be completed prior to taking PUBH 4040.

¹⁵Prerequisite: PSY 1010.

¹⁶Prerequisites: FCHD 1500, 2400.

¹⁷Prerequisite: SW 1050.

¹⁸Prerequisites: SW 1050, 2400, 2500.

¹⁹Prerequisite: Ability to keyboard at 25 wpm minimum.

²⁰Prerequisites: ENGL 1010 or equivalent, English Proficiency Test, typing test, and permission of Department of Journalism and Communication.

²¹Prerequisites: Minimum grades of C+ in JCOM 1000, 1110, and 2000.

²²Prerequisite: Consent of instructor for students not in the School Health emphasis or the School Health minor.

²³Prerequisite: NFS 1020.

²⁴Prerequisites: BIOL 2000, 2010, MATH 1050.

²⁵Prerequisite: CHEM 1220.

²⁶Prerequisites: HEP 2500, ENGL 2010, and passing score on Computer and Information Literacy (CIL) exam.

²⁷Prerequisites: HEP 2500 and passing score on Computer and Information Literacy (CIL) exam.

Parks and Recreation Major (51 credits)

The HPER Department offers a program of study leading to a Bachelor of Science Degree in Parks and Recreation. This program prepares students to become professionals in the areas of public, private, commercial, therapeutic, voluntary, and special service settings of parks and recreation. Graduates of the program will be capable of directing, planning, designing, managing, and administering parks and recreation programs. A 2.5 total GPA is required for graduation.

A. Parks and Recreation Core Courses (45 credits)

PRP 1000 Introduction to Parks and Recreation (F,Sp).....	3
PRP 2500 Outdoor Recreation Management (F).....	3
PRP 3000 Recreation Programming (Sp).....	3
PRP 3100 Leisure and Aging (Sp).....	2
PRP 3500 (CI) ^{29,30} Community Recreation Administration (F).....	3
PRP 3750 Commercial Recreation and Tourism (Sp).....	3
PRP 3900 Introduction of Therapeutic Recreation for Diverse Populations (F).....	3
PRP 4300 ³⁵ Legal Aspects of Recreation and Leisure (F).....	3
PRP 4400 Recreation Park and Facility Management (F).....	3
PRP 4700 Internship Seminar (F,Sp).....	1
PRP 4750 ³¹ Recreation Internship (F,Sp,Su).....	9
PRP 5000 (CI) ^{29,32} Seminar in Recreation (F,Sp).....	3
INST 5400 Computer Applications for Instruction and Training (F,Sp,Su).....	3
ENVS 3300 Fundamentals of Recreation Resources Management (F).....	3

B. Electives (6 credits)

Select at least 6 credits from the following courses:

PRP 1500 Social Recreation Leadership (Sp).....	3
PRP 4000 ³⁴ Therapeutic Recreation (Sp).....	3
PRP 4200 ^{28,33} Advanced Therapeutic Recreation (F).....	3
HEP 2000 First Aid and Emergency Care (F,Sp).....	2
HEP 3400 Stress Management (F,Sp).....	3
LAEP 1030 (BCA) Introduction to Landscape Architecture (F,Sp,Su).....	3
ENVS 4130 Recreation Policy and Planning (Sp).....	3
ENVS 4500 (CI) ²⁹ Wildland Recreation Behavior (F).....	3
ENVS 4600 Natural Resource Interpretation (F).....	3
Activity Courses in Physical Education (numbered PE 1000-2000).....	1-3

C. Additional Requirements

In addition to the above requirements for the major, students are required to select a minor from an approved area outside the major.

Therapeutic Recreation Track

Instead of completing the minor, Parks and Recreation Majors may elect to complete a track in Therapeutic Recreation. This track requires the following courses, for a total of 22-23 credits of supportive courses:

A. Required Courses (17 credits)

BIOL 2000 Human Physiology (F,Sp,Su).....	4
BIOL 2010 Human Anatomy (Sp,Su).....	4
FCHD 1500 (BSS) Human Development Across the Lifespan (F,Sp).....	3
PSY 1010 (BSS) General Psychology (F,Sp,Su).....	3
PSY 3210 Abnormal Psychology (F,Sp).....	3

B. Choose two or more courses from the following (5-6 credits):

PSY 1100 Developmental Psychology: Infancy and Childhood (F,Sp).....	3
PSY 1210 Psychology of Human Adjustment (F,Sp).....	3
PSY 2100 Developmental Psychology: Adolescence (Sp).....	3
REH 1010 (BSS) Disability in the American Experience.....	3
SOC 3410 Juvenile Delinquency (F,Sp).....	3
SPED 4000 Education of Exceptional Individuals (F,Sp,Su).....	2

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Note: PSY 1010 is a prerequisite to PSY 3210, 1100, 1210, and 2100.

Additionally, students must complete PRP 4000 and 4200 as part of their electives, and PRP 4750 (Recreation Internship) must be completed under the direct supervision of a certified therapeutic recreation specialist. PRP 4000 must be completed prior to taking PRP 4750.

Completion of this program does *not* guarantee eligibility for certification or licensure. It is the student's responsibility to ensure all program requirements of the NCTRC are met.

CTRS certification requires passing the NCTRC Therapeutic Recreation Specialist Certification Examination. State licensing may also be required.

Parks and Recreation Minor (for students not majoring in Parks and Recreation)

A. Required Courses (15 credits)

PRP 1000 Introduction to Parks and Recreation (F,Sp)	3
PRP 1500 Social Recreation Leadership (Sp)	3
PRP 2500 Outdoor Recreation Management (F)	3
PRP 3000 Recreation Programming (Sp)	3
PRP 3500 (CI) ²⁹ Community Recreation Administration (F)	3

B. Elective Courses (6 credits)

Select at least 6 credits from the following courses.

PRP 3100 Leisure and Aging (Sp)	2
PRP 3900 Introduction of Therapeutic Recreation for Diverse Populations (F)	3
PRP 4000 ³⁴ Therapeutic Recreation (Sp)	3
PRP 4300 ³⁵ Legal Aspects of Recreation and Leisure (F)	3
PRP 4400 Recreation Park and Facility Management (F)	3
ENVS 3300 Fundamentals of Recreation Resources Management (F)	3

²⁸This course is taught during alternate years.

²⁹This course is approved for Communications Intensive (CI) University Studies credit.

³⁰PRP 1000 and 3000 are prerequisites to PRP 3500.

³¹PRP 1000, 2250, 3000, 4300, and 4700 are prerequisites to PRP 4750. Students must complete 200 hours of related work experience prior to enrolling in PRP 4750.

³²PRP 1000, 2500, 3500, 3750, 3900, 4000, and 4400 are prerequisites to PRP 5000.

³³PRP 4000 is a prerequisite for PRP 4200.

³⁴PRP 3900 is a prerequisite for PRP 4000.

³⁵PRP 1000, 2250, and 3000 are prerequisites for PRP 4300.

Physical Education Major: Exercise Science Emphasis (54 credits)

A 2.75 total GPA is required for graduation.

A. Prerequisites (12 credits)

BIOL 2000 Human Physiology (F,Sp,Su)	4
BIOL 2010 Human Anatomy (Sp,Su)	4
MATH 1050 (QL) ³⁶ College Algebra (F,Sp,Su)	4

B. Professional Foundation (24 credits)

PE 3000 Dynamic Fitness (F,Sp,Su)	3
HEP 2500 Health and Wellness (F,Sp,Su)	2
PEP 2000 Introduction and History of Physical Education (F,Sp)	2
PEP 3100 Athletic Injuries (F,Sp)	3
PEP 3250 Anatomical Kinesiology (Sp)	3
PEP 4100 ^{37, 53} Exercise Physiology and Principles of Conditioning (F,Sp)	4
PEP 4200 (QI) ^{37, 52, 53} Biomechanics (F,Sp)	4
PEP 4400 (QI) ⁵² Evaluation in Physical Education (F,Sp)	3

C. Professional Development (15 credits)

HPER (5 credits minimum)

HEP 2000 First Aid and Emergency Care (F,Sp,Su)	2
HEP 3200 Consumer Health (F,Su)	3
HEP 3400 Stress Management (F,Sp)	3
PEP 4000 Mental Aspects of Sports Performance (F,Sp,Su)	3
PEP 5070 Sport Sociology (Sp)	3
PEP 5430 (CI) ⁵¹ The History and Philosophy of Physical Education (F)	3

Biology (4 credits minimum, including lab)

BIOL 1010 (BLS) Biology and the Citizen (F,Sp,Su)	3
BIOL 1020 Biological Discovery: A Lab Course (F,Sp)	1
BIOL 1210 Biology I (F)	4
BIOL 1220 (BLS) ³⁸ Biology II (Sp)	4
BIOL 3200 (QI) ^{39, 52} Principles of Genetics (F,Sp,Su)	4
BIOL 5190 ⁴⁰ Molecular Genetics (Sp)	3

Chemistry (3 credits minimum)

CHEM 1010 (BPS) Introduction to Chemistry (F,Sp)	3
CHEM 1110 (BPS) ⁵⁵ General Chemistry I (F,Sp)	4
CHEM 1130 ⁴¹ General Chemistry Laboratory (Sp)	1
CHEM 1120 (BPS) ⁴² General Chemistry II (Sp)	4
CHEM 1210 ⁴³ Principles of Chemistry I (F,Sp)	4
CHEM 1230 ⁴⁴ Chemistry Principles Laboratory I (F,Sp)	1
CHEM 1220 (BPS) ⁴⁵ Principles of Chemistry II (F,Sp,Su)	4
CHEM 1240 ⁴⁶ Chemistry Principles Laboratory II (F,Sp)	1

Integrated (3 credits minimum)

NFS 1020 (BLS) Science and Application of Human Nutrition (F,Sp,Su)	3
NFS 3020 Nutrition and Physical Performance (F)	2
PHYX 1100 (BPS) Great Ideas in Physics	3
PHYX 1200 (BPS) Introduction to Physics by Hands-on Exploration	4
PHYX 2110 ⁴⁷ The Physics of Living Systems I	4
PHYX 2120 (BPS) ⁴⁸ The Physics of Living Systems II	4
PSY 1010 (BSS) General Psychology (F,Sp,Su)	3
PSY 2100 ⁴⁹ Developmental Psychology: Adolescence (Sp)	3
PSY 2800 (QI) ⁵⁰ Psychological Statistics (F,Sp)	3
PSY 3210 (DSS) Abnormal Psychology (F,Sp)	3
STAT 1040 (QL) ⁵⁴ Introduction to Statistics (F,Sp,Su)	3

D. Skill Development (3 credits)

Select 3 **different** physical education activity courses numbered from PE 1000 to PE 2120.

³⁶Math ACT score of at least 23, MATH 1010, or satisfactory score on placement exam is a prerequisite for this course.

³⁷BIOL 2000, 2010, MATH 1050 are prerequisites for this course.

³⁸BIOL 1210 is a prerequisite for this course.

³⁹BIOL 1210; MATH 1050; and CHEM 1110 or 1220 are prerequisites for this course.

⁴⁰BIOL 3200; and CHEM 3700 or 5700 are prerequisites for this course.

⁴¹CHEM 1110 must be taken previously or concurrently.

⁴²CHEM 1110 is a prerequisite for this course.

⁴³MATH 1050 or higher, or Math ACT score of at least 25, is a prerequisite for this course.

⁴⁴CHEM 1210 must be taken previously or concurrently.

⁴⁵CHEM 1210 is a prerequisite for this course.

⁴⁶CHEM 1230 is a prerequisite for this course.

⁴⁷MATH 1100 or 1210 is a prerequisite for this course.

⁴⁸MATH 1100 or 1210, and PHYX 2110 are prerequisites for this course.

⁴⁹PSY 1010 is a prerequisite for this course.

⁵⁰STAT 1040 is a prerequisite for this course.

⁵¹This course is approved for Communications Intensive (CI) University Studies credit.

⁵²This course is approved for Quantitative Intensive (QI) University Studies credit.

⁵³Admission to the Physical Education Major is required prior to enrolling in this course.

⁵⁴Math ACT score of 19 or greater, or MATH 1010, or 70 percent or greater on MATH 1050 placement test is a prerequisite for this course.

⁵⁵Math ACT score of at least 23, or MATH 1050 or higher, is a prerequisite for this course.

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Physical Education Major: Pre-Physical Therapy Emphasis (72 credits)

Please note that it is the student's responsibility to check with the individual physical therapy schools concerning courses required for admission. Completion of Utah State University's Department of HPER Pre-Physical Therapy emphasis will *not guarantee* admission into physical therapy school. A 3.0 total GPA is required to graduate.

A. Prerequisites (15 credits)

BIOL 2000 Human Physiology (F,Sp,Su).....	4
BIOL 2010 Human Anatomy (Sp,Su).....	4
MATH 1050 (QL) ⁵⁶ College Algebra (F,Sp,Su).....	4
PSY 1010 (BSS) General Psychology (F,Sp,Su).....	3

B. Professional Foundations (26 credits)

PE 3000 Dynamic Fitness (F,Sp,Su).....	3
PEP 2020 Introduction to Physical Therapy (F).....	2
PEP 3100 Athletic Injuries (F,Sp).....	3
PEP 3250 Anatomical Kinesiology (Sp).....	3
PEP 4100 ^{57, 72} Exercise Physiology and Principles of Conditioning (F,Sp,Su).....	4
PEP 4200 (QI) ^{57, 71, 72} Biomechanics (F,Sp).....	4
PEP 4250 Advanced Cooperative Work Experience (F,Sp,Su).....	4
PEP 4400 (QI) ⁷¹ Evaluation in Physical Education (F,Sp).....	3

C. Professional Development (31 credits)

Biology (4 credits minimum, including lab)	
BIOL 1010 (BLS) Biology and the Citizen (F,Sp,Su).....	3
BIOL 1020 Biological Discovery: A Lab Course (F,Sp).....	1
BIOL 1210 Biology I (F).....	4
BIOL 1220 (BLS) ⁵⁸ Biology II (Sp).....	4
BIOL 3200 (QI) ^{59, 71} Principles of Genetics (F,Sp,Su).....	4
BIOL 5190 ⁶⁰ Molecular Genetics (Sp).....	3

Chemistry (9 credits minimum)

CHEM 1110 (BPS) ⁷³ General Chemistry I (F,Sp).....	4
CHEM 1130 ⁷⁴ General Chemistry Laboratory (Sp).....	1
CHEM 1120 (BPS) ⁷⁵ General Chemistry II (Sp) (4 cr) or	
CHEM 1210 ⁶¹ Principles of Chemistry I (F,Sp) (4 cr).....	4
CHEM 1230 ⁶² Chemistry Principles Laboratory I (F,Sp).....	1
CHEM 1220 (BPS) ⁶³ Principles of Chemistry II (F,Sp,Su).....	4
CHEM 1240 ⁶⁴ Chemistry Principles Laboratory II (F,Sp).....	1

Mathematics (6 credits minimum)

MATH 1100 (QL) ⁶⁵ Calculus Techniques (higher-numbered course may be substituted) (F,Sp,Su) (3 cr) or	
MATH 1210 (QL) ⁶⁵ Calculus I (F,Sp,Su) (4 cr).....	3 or 4

Choose one course from the following:

STAT 2000 (QI) ⁶⁶ Statistical Methods (F,Sp,Su).....	3
STAT 2300 (QL) ⁶⁶ Business Statistics (F,Sp,Su).....	4
STAT 3000 (QI) ⁶⁷ Statistics for Scientists (F,Sp).....	3

Physics (8 credits minimum)

PHYX 2110 ⁶⁸ The Physics of Living Systems I.....	4
PHYX 2120 (BPS) ⁶⁹ The Physics of Living Systems II.....	4

Psychology (3 credits minimum)

PSY 1210 ⁷⁰ Psychology of Human Adjustment (F,Sp).....	3
PSY 2100 ⁷⁰ Developmental Psychology: Adolescence (Sp).....	3
PSY 3210 ⁷⁰ (DSS) Abnormal Psychology (F,Sp).....	3

⁵⁶Math ACT score of at least 23, MATH 1010, or satisfactory score on placement exam is a prerequisite for this course.

⁵⁷BIOL 2000, 2010, MATH 1050 are prerequisites for this course.

⁵⁸BIOL 1210 is a prerequisite for this course.

⁵⁹BIOL 1210; MATH 1050; and CHEM 1110 or 1220 are prerequisites for this course.

⁶⁰BIOL 3200, and CHEM 3700 or 5700 are prerequisites for this course.

⁶¹MATH 1050, or Math ACT score of at least 25, is a prerequisite for this course.

⁶²CHEM 1210 must be taken previously or concurrently.

⁶³CHEM 1210 is a prerequisite for this course.

⁶⁴CHEM 1230 is a prerequisite for this course.

⁶⁵MATH 1050, or a Math ACT score of at least 25, is a prerequisite for MATH 1100; MATH 1050 and 1060, or an AP Calculus score of at least 3 on the AB test or a Math ACT score of at least 27, are prerequisites for MATH 1210.

⁶⁶MATH 1050 is a prerequisite for this course.

⁶⁷MATH 1100 or 1210 is a prerequisite for this course.

⁶⁸MATH 1100 or 1210 is a prerequisite for this course.

⁶⁹MATH 1100 or 1210, and PHYX 2110 are prerequisites for this course.

⁷⁰PSY 1010 is a prerequisite for this course.

⁷¹This course is approved for Quantitative Intensive (QI) University Studies credit.

⁷²Admission to the Physical Education Major is required prior to enrolling in this course.

⁷³Math ACT score of at least 23, or MATH 1050 or higher, is a prerequisite for this course.

⁷⁴CHEM 1110 must be taken previously or concurrently.

⁷⁵CHEM 1110 is a prerequisite for this course.

Physical Education Major: Teaching Emphasis (K-12) (90 credits)

Students also need to complete a teaching minor. A 2.75 total GPA is required for graduation.

Note: This is an approved teaching major through the Department of Secondary Education.

A. Prerequisites (17 credits)

BIOL 2000 Human Physiology (F,Sp,Su).....	4
BIOL 2010 Human Anatomy (Sp,Su).....	4
MATH 1050 (QL) ⁷⁶ College Algebra (F,Sp,Su).....	4
HEP 2000 First Aid and Emergency Care (F,Sp).....	2
PE 3000 Dynamic Fitness (F,Sp,Su).....	3

B. Skill Development (5 credits)

PEP 2100 Skills 1 (Swimming, Volleyball, Football) (F,Sp).....	1
PEP 2200 Skills 2 (Noncompetitive Lifetime Activities) (F,Sp,Su).....	1
PEP 2300 Skills 3 (Softball, Basketball, Soccer) (F,Sp).....	1
PEP 2400 Skills 4 (Tennis, Badminton, Track and Field) (F,Sp).....	1
PEP 2500 Rhythms and Movement (F,Sp).....	1

C. Professional Development (11 credits)

PEP 2000 Introduction and History of Physical Education (F,Sp).....	2
PEP 3050 Physical Education in the Elementary School (F,Sp,Su).....	3
PEP 3100 Athletic Injuries (F,Sp).....	3
PEP 3200 (CI) ^{83, 87} Motor Learning and Skill Analysis (F,Sp,Su).....	3

D. Professional Foundations (16 credits)

PEP 4000 Mental Aspects of Sports Performance (F,Sp,Su).....	3
PEP 4100 ^{77, 87} Exercise Physiology and Principles of Conditioning (F,Sp).....	4
PEP 4200 (QI) ^{77, 86, 87} Biomechanics (F,Sp).....	4
PEP 4350 Administration of Physical Education (F,Sp).....	2
PEP 4400 (QI) ⁸⁶ Evaluation in Physical Education (F,Sp).....	3

E. Methods of Teaching (3 credits)

PEP 3550 Strategies and Methods of Teaching Team, Individual, and Dual Sports and Fitness (F,Sp).....	3
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F. Methods of Coaching (3 credits)

PEP 4500 ⁷⁸ Methods of Coaching (F,Sp,Su).....	3
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G. Secondary Teacher Education Program (STEP) (35 credits)

Note: Acceptance into the STEP is required prior to enrolling in the courses listed below. Students must take a minor Special Methods Course and Clinical Experience, which may be completed during Level 1 or Level 2.

Department of Health, Physical Education and Recreation

Level 1 (15-week courses)

INST 3500 Technology Tools for Secondary Teachers (F, Sp, Su).....	1
SCED 3100 Motivation and Classroom Management (F,Sp)	3
SCED 3210 (CI/DSS) Educational and Multicultural Foundations (F,Sp).....	3
Clinical Experience I (in minor) ⁷⁹	1
Methods of Teaching (in minor) ⁸⁰	3

Level 2 (15-week courses)

SPED 4000 Education of Exceptional Individuals (may be taken anytime) (F,Sp,Su).....	2
SCED 4200 (CI) Reading, Writing, and Technology (F,Sp)	3
SCED 4210 Cognition and Evaluation of Student Learning (F,Sp)	3
PEP 4300 ⁸¹ Clinical Experience II (F,Sp).....	1
PEP 4900 (CI) ^{82, 83} Methods of Physical Education (F,Sp)	3

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

PEP 5500 ⁸⁴ Student Teaching Seminar (2 weeks) (F,Sp).....	2
PEP 5630 ⁸⁵ Student Teaching in Secondary Schools (13 weeks) (F,Sp)	10

⁷⁶Math ACT score of at least 23, MATH 1010, or satisfactory score on placement exam is a prerequisite for this course.

⁷⁷BIOL 2000, 2010, MATH 1050 are prerequisites for this course.

⁷⁸HEP 2000 (which may be taken concurrently) should be completed prior to taking this course.

⁷⁹Clinical Experience I is taught under course number 3300 in various departments. Must be taken concurrently with Methods of Teaching in minor.

⁸⁰Methods of Teaching courses are taught under various course numbers in various departments. Must be taken concurrently with Clinical Experience I in minor.

⁸¹Must be taken concurrently with PEP 4900.

⁸²PEP 3550 should be taken prior to this course.

⁸³This course is approved for Communications Intensive (CI) University Studies credit.

⁸⁴Must be taken concurrently with PEP 5630.

⁸⁵Must be taken concurrently with PEP 5500. Application for student teaching must be completed. Applications are available in EDUC 330.

⁸⁶This course is approved for Quantitative Intensive (QI) University Studies credit.

⁸⁷Admission to the Physical Education Major is required prior to enrolling in this course.

Physical Education Coaching Minor

This minor requires 28 credits, plus 17 credits of prerequisites and the 35-credit Secondary Teacher Education Program (STEP).

A. Required Prerequisites (17 credits)

BIOL 2000 Human Physiology (F,Sp,Su)	4
BIOL 1010 Human Anatomy (Sp,Su)	4
MATH 1050 (QL) ⁸⁸ College Algebra (F,Sp,Su)	4
HEP 2000 First Aid and Emergency Care (F,Sp,Su)	2
PE 3000 Dynamic Fitness (F,Sp,Su)	3

B. Skill Development (select 3 credits)

PEP 2100 Skills 1 (Swimming, Volleyball, Football) (F,Sp)	1
PEP 2200 Skills 2 (Noncompetitive Lifetime Activities) (F,Sp,Su)	1
PEP 2300 Skills 3 (Softball, Basketball, Soccer) (F,Sp)	1
PEP 2400 Skills 4 (Tennis, Badminton, Track and Field) (F,Sp).....	1
PEP 2500 Rhythms and Movement (F,Sp).....	1

C. Professional Foundation (18 credits)

PEP 3100 Athletic Injuries (F,Sp).....	3
PEP 3200 (CI) ^{91, 93} Motor Learning and Skill Analysis (F,Sp,Su)	3
PEP 4000 Mental Aspects of Sports Performance (F,Sp,Su)	3
PEP 4100 ^{89, 93} Exercise Physiology and Principles of Conditioning (F,Sp).....	4
PEP 4350 Administration of Physical Education (F,Sp).....	2
PEP 4400 (QI) ⁹² Evaluation in Physical Education (F,Sp)	3

D. Methods of Teaching (3 credits)

PEP 3550 Strategies and Methods of Teaching Team, Individual, and Dual Sports and Fitness (F,Sp)	3
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E. Methods of Coaching (4 credits)

PEP 2050 Sport Rules and Regulations of the Utah High School Athletic Association (Sp).....	1
PEP 4500 ⁹⁰ Methods of Coaching (F,Sp,Su).....	3

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

PEP 4900, Methods of Physical Education, and PEP 3300, Clinical Experience I, should be taken as part of the STEP.

⁸⁸Math ACT score of at least 23, MATH 1010, or satisfactory score on placement exam is a prerequisite for this course.

⁸⁹BIOL 2000, 2010, MATH 1050 are prerequisites for this course.

⁹⁰HEP 2000 (which may be taken concurrently) should be completed prior to taking this course.

⁹¹This course is approved for Communications Intensive (CI) University Studies credit.

⁹²This course is approved for Quantitative Intensive (QI) University Studies credit.

⁹³Admission to the Physical Education Coaching Minor is required prior to enrolling in this course.

Departmental Honors

Students who would like to experience greater academic depth within their major are encouraged to enroll in departmental honors. Through original, independent work, Honors students enjoy the benefits of close supervision and mentoring, as they work one-on-one with faculty in select upper-division departmental courses. Honors students also complete a senior project, which provides another opportunity to collaborate with faculty on a problem that is significant, both personally and in the student's discipline. Participating in departmental honors enhances students' chances for obtaining fellowships and admission to graduate school. Minimum GPA requirements for participation in departmental honors vary by department, but usually fall within the range of 3.30-3.50. Students may enter the Honors Program at almost any stage in their academic career, including at the junior (and sometimes senior) level. The campus-wide Honors Program, which is open to all qualified students regardless of major, offers a rich array of cultural and social activities, special classes, and the benefit of Honors early registration. Interested students should contact the Honors Program, Merrill Library 374, (435) 797-2715, honors@cc.usu.edu. Additional information can be found online at: <http://www.usu.edu/honors/>

Additional Information

Updated information concerning undergraduate courses and major or minor requirements can be obtained from the HPER Department, or check the departmental home page at: <http://www.coe.usu.edu/hper>

Major requirement sheets, which provide detailed information about requirements for departmental majors, can be obtained from the department, or accessed online at: <http://www.usu.edu/ats/majorsheets/>

Financial Support

The College of Education and Human Services distributes scholarship applications beginning in January of each academic year. For information on those scholarships awarded by the HPER Department, visit the departmental office in HPER 122.

Department of Health, Physical Education and Recreation

Assessment

Health Education Specialist

Major Assessment

The Health Education Specialist major curriculum is based on the National Commission of Health Education Credentialing (NCHEC) seven responsibility areas for entry-level health educators. As such, each course is evaluated on a yearly basis to determine if it is meeting student needs, based on NCHEC guidelines. Coursework prepares graduating students to successfully sit for the Certified Health Education Specialist exam. Additionally, exit surveys and interviews are given to students to better assess the curriculum and the learning needs of the students. To further assess curriculum needs, follow-up surveys are sent to students one year after they graduate.

Physical Education Major Assessment

The Physical Education major curriculum is based on the standards and benchmarks of the National Association for Sport and Physical Education (NASPE). Each course is matrixed against the standards to assure quality in curriculum content. A number of assessments are available for exiting students, including Praxis 2 and a number of certifications of the American College of Sports Medicine (ACSM). Exit surveys and interviews are conducted annually, as well as post-graduation surveys.

Parks and Recreation Major Assessment

The Parks and Recreation major curriculum is accredited by the National Council on Accreditation of the National Recreation and Park Association (NRPA). To assure compliance with the national standards, the curriculum is evaluated annually. Students are eligible to sit for the National Certification Examination. Exit surveys and interviews are conducted yearly, as well as post-graduation surveys.

Graduate Programs

Please refer to the general admission requirements on pages 93-94 of this catalog. In addition, the letters of recommendation must be written by professionals in health or physical education who know the applicant and his/her work well. Students with fewer than 12 credits of undergraduate health or physical education coursework must make up any deficiencies before being granted matriculated status. Basic competencies that have not been acquired through courses or experience may be obtained by completing prerequisite undergraduate courses without credit. Other nongraduate credit courses may be required by the admissions committee. Students with weak oral or written English skills will be required to take remedial work or complete undergraduate or Intensive English classes.

Degree Programs

Master of Science

The MS is available for students who plan to teach, provide community leadership, or do further graduate or research study.

Master of Education

The MEd is designed for students desiring to improve teaching competencies.

Specializations

MS students may select an area of emphasis for research and study from the following specializations: Corporate Wellness, Exercise Science, and Health Education.

Course Requirements

Core Courses

MS candidates specializing in **Corporate Wellness** must complete the following courses:

EDUC 6570 Introduction to Educational and Psychological Research (F,Sp,Su)	3
HEP 6800 Seminar in Health Behavior (F)	3
PEP 6290 Corporate Wellness Marketing (Sp)	3
PEP 6400 Exercise in Health, Fitness, and Sport (Arr)	4
PEP 6450 Fitness Assessment and Exercise Testing (Sp)	3
PEP 6500 Practicum in Corporate Wellness (F,Sp,Su)	1-10
PEP 6540 Wellness Programming (Sp)	3
PEP 6800 Biomechanics and Ergonomics of Health, Industry, and Sport (Sp)	3
PEP 6810 Research Methods in Health Sciences (F)	3
PSY 6470 Health Psychology (F)	3

MS candidates specializing in **Exercise Science** must complete the following courses:

EDUC 6600 Measurement, Design, and Analysis I (F,Sp,Su)	3
PEP 6400 Exercise in Health, Fitness, and Sport (Arr)	4
PEP 6800 Biomechanics and Ergonomics of Health, Industry, and Sport (Sp)	3
PEP 6810 Research Methods in Health Sciences (F)	3
PEP 6970 Thesis (F,Sp,Su)	1-9

Eleven credits must be selected from the following:

HEP 6100 Current Trends in Health Promotion (F)	3
PEP 6050 Psychological Aspects of Sports Performance (Arr)	3
PEP 6070 Sport in Society (Sp)	3
PEP 6420 Curriculum in Physical Education (F)	3
PEP 6430 History and Philosophy of Physical Education and Sport (F)	3
PEP 6450 Fitness Assessment and Exercise Testing (Sp)	3
PEP 6540 Wellness Programming (Sp)	3
PEP 6830 Motor Learning (Sp)	3
or other committee-approved electives	

MS candidates specializing in **Health Education** must complete the following courses:

EDUC 6010 Introduction to Program Evaluation: Evaluation Models and Practical Guidelines (F,Sp)	3
EDUC 6570 Introduction to Educational and Psychological Research (F,Sp,Su)	3
EDUC 6600 Measurement, Design, and Analysis I (F,Sp,Su)	3
HEP 6100 Current Trends in Health Promotion (F)	3
HEP 6600 Field Work in Health Education (F,Sp,Su)	3
HEP 6800 Seminar in Health Behavior (F)	3
HEP 6970 Thesis (F,Sp,Su)	1-9

Students must also complete 6 credits from the following:

FCHD 6020 Survey of Human Development Research (Sp)	3
FCHD 6060 Human Development Theories (F)	3
HEP 6300 Stress Management (Arr)	3
HEP 6700 Special Topics in Health (F,Sp,Su)	1-6
HEP 6900 Independent Study (F,Sp,Su)	1-3
HEP 6950 Independent Research (F,Sp,Su)	1-3
INST 5230 Instructional Graphic Production (F,Su)	3
INST 6350 Instructional Design Process (F)	3
MHR 6370 Project Management	3
NFS 6200 Nutritional Epidemiology (F)	2
NFS 6210 Advanced Public Health Nutrition (Sp)	2
PEP 6290 Corporate Wellness Marketing (Sp)	3
PEP 6400 Exercise in Health, Fitness, and Sport (Arr)	4

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PEP 6540 Wellness Programming (Sp)	3
PSY 6470 Health Psychology (F)	3
PSY 7700 Grant Writing (Sp)	3
PUBH 4030 Communicable Disease Control (F)	3
PUBH 4040 Fundamentals of Epidemiology (Sp)	3
PUBH 4310 Industrial Recognition of Hazards (F)	4
PUBH 4330 Industrial Hygiene Physical Hazards (Sp)	3
SOC 6460 Sociology of Health (F)	3
Other courses may be selected on the basis of a student's need and interests, subject to the approval of the student's committee.	

MEd candidates must complete the following courses:

EDUC 6410 Educational Foundations (F,Su)	2
EDUC 6550 Research for Classroom Teachers (F,Sp,Su)	3
EDUC 6710 Diversity in Education (Sp,Su)	3
PEP 6050 Psychological Aspects of Sports Performance (Arr)	3
PEP 6070 Sport in Society (Sp)	3
PEP 6400 Exercise in Health, Fitness, and Sport (Arr)	4
PEP 6420 Curriculum in Physical Education (F)	3
PEP 6430 History and Philosophy of Physical Education and Sport (F)	3
PEP 6690 Analysis of Teaching Physical Education (Arr)	3
PEP 6800 Biomechanics and Ergonomics of Health, Industry, and Sport (Sp)	3
PEP 6830 Motor Learning (Sp)	3
PEP 6960 Master's Project (F,Sp,Su)	3

Research

Research areas include health promotion, health education, exercise science, corporate wellness, sport psychology, sport in society, biomechanics, and pedagogy.

Financial Assistance

Teaching and research assistantships are available through the HPER Department and are awarded on a competitive basis. Application for the assistantships must be made by March 15 to the department head. A formal application for admission must be submitted to the School of Graduate Studies at the same time as the application for an assistantship. A recipient of a graduate assistantship is usually eligible for a waiver for the out-of-state portion of his or her tuition.

Additional Information

Additional and/or updated information about graduate courses and programs may be obtained from the HPER Department, or check the departmental home page at: <http://www.coe.usu.edu/hper>.

Health, Physical Education and Recreation Faculty

Professors

Richard D. Gordin, Jr., sport psychology
Craig W. Kelsey, parks and recreation

Associate Professors

Hilda Fronske, motor learning
Julie A. Gast, community health, multicultural health issues, women's health
Donna L. Gordon, health promotion
Edward M. Heath, exercise physiology
Arthur R. Jones, recreation administration
John M. Kras, administration, history, philosophy and sociology of sport
Dennis A. Nelson, family recreation, multicultural education, recreation programming
Rolayne Wilson, elementary physical education

Nontenure Assistant Professors

Eadric Bressel, biomechanics
Brett Holt, education pedagogy
Phillip Waite, community health, therapeutic reminiscence, worksite health promotion, program evaluation
Dale Wagner, exercise physiology

Senior Lecturer

Peter J. Mathesius, conditioning, sport skills, and teaching methods

Course Descriptions

Health Education Professional (HEP), pages 530-531

Physical Education Professional (PEP), pages 575-577

Parks and Recreation Professional (PRP), pages 570-571

Physical Education Activity (PE), pages 573-575

Dance West Summer, Dance Education Classes (DE), page 494