# Feinstein School of Education and Human Development

Undergraduate Degree Programs

(*see also* Undergraduate Certificate Programs (p. 52))

Gerri August, Co-Dean

Julie Horwitz, Co-Dean

Lisa Owen, Associate Dean

|  |  |  |
| --- | --- | --- |
|  | **Degree** | **Concentration** |
| Community Health and Wellness (p. 141) | B.S. | Community and Public Health Promotion  |
|   |   | Health and Aging |
|   |   | Women’s Health |
|   |   | Recreation and Leisure Studies  |
|   |   | Wellness and Movement Studies  |
| Early Childhood Education (p. 144) | B.S. | Concentration in Teaching(Certification for PreK–Grade 2) |
|  | B.S. | Concentration in Community Programs |
|   | B.S. | Concentration in Birth to Three  |
|  | **Degree**  | **Content Major** |
| Elementary Education (p. 149) | B.A. | English (Certification for Grades 1–6) |
|   | B.A. | General Science (Certification for Grades 1–6) |
|   | B.A. | Mathematics (Certification for Grades 1–6) |
|   | B.A. | Multidisciplinary Studies (Certification for Grades 1–6) |
|   | B.A. | Social Studies(Certification for Grades 1–6) |

## FAS

## Health Sciences

Learning Goals (p. 353)

**Director**: Eric Hall

Students **must** consult with their assigned advisor before they will be able to register for courses.

Health Sciences B.S.

Course Requirements

Choose concentration A, B, C, D, or E below

A. Dental Hygiene Completion

Note: Prior dental hygienist licensure required for admission.

|  |  |  |  |
| --- | --- | --- | --- |
| BIOL 231 | Human Anatomy | 4 | F, Sp, Su |
| BIOL 335 | Human Physiology | 4 | F, Sp, Su |
| CHEM 105 | General, Organic and Biological Chemistry I | 4 | F, Sp, Su |
| CSCI 101 | Introduction to Computers | 3 | F, Sp, Su |
| HPE 233 | Social and Global Perspectives on Health | 3 | F, Sp, Su |
| HPE 307 | Introduction to Epidemiology | 3 | F, Sp |
| HSCI 402 | Current Topics in Dental Hygiene | 4 | As needed |
| HSCI 466 | Evidence-Based Decision Making for Dental Hygiene | 4 | As needed |
| HSCI 494 | Independent Study in Health Sciences | 4 | As needed |
| MATH 240 | Statistical Methods I | 4 | F, Sp, Su |
| PSYC 110 | Introduction to Psychology | 4 | F, Sp, Su |
| SOC 200 | Society and Social Behavior | 4 | F, Sp |
|  | Dental Hygiene Licensure Transfer Credits | 48 |  |

Total Credit Hours: 93

B. Food Safety

|  |  |  |  |
| --- | --- | --- | --- |
| BIOL 108 | Basic Principles of Biology | 4 | F, Sp, Su |
| BIOL 231 | Human Anatomy | 4 | F, Sp, Su |
| BIOL 335 | Human Physiology | 4 | F, Sp, Su |
| BIOL 348 | Microbiology | 4 | F, Sp, Su |
| CHEM 103 | General Chemistry I | 4 | F, Sp, Su |
| CHEM 104 | General Chemistry II | 4 | F, Sp, Su |
| CHEM 205 | Organic Chemistry I | 4 | F, Su |
| CHEM 206 | Organic Chemistry II | 4 | Sp, Su |
| CHEM 310 | Biochemistry | 4 | F |
| HPE 221 | Nutrition | 3 | F, Sp |
| HSCI 100 | Introduction to Food Safety | 3 | F |
| HSCI 102 | Food Plant Sanitation | 3 | Sp |
| HSCI 202 | Fundamentals of Food Processing | 3 | Sp |
| HSCI 300 | Food Chemistry | 3 | F |
| HSCI 302 | Hazard Analysis and Critical Control Points | 3 | Sp |
| HSCI 400 | Quality Assurance of Food Products | 3 | F |
| HSCI 403 | Food Borne Disease | 3 | F |
| HSCI 404 | Food Microbiology | 3 | Sp |
| HSCI 405 | Food Safety Case Study | 1 | Sp |
| HSCI 494 | Independent Study in Health Sciences | 4 | As needed |
| MATH 212 | Calculus I | 4 | F, Sp, Su |
| MATH 240 | Statistical Methods I | 4 | F, Sp, Su |
| PHYS 110 | Introductory Physics | 4 | Sp, F, Su |

Total Credit Hours: 80

C. Human Services

|  |  |  |  |
| --- | --- | --- | --- |
| BIOL 108 | Basic Principles of Biology | 4 | F, Sp, Su |
| BIOL 231 | Human Anatomy | 4 | F, Sp, Su |
| BIOL 335 | Human Physiology | 4 | F, Sp, Su |

Either

|  |  |  |  |
| --- | --- | --- | --- |
| CHEM 103 | General Chemistry I | 4 | F, Sp, Su |
|  | -And- |  |  |
| CHEM 104 | General Chemistry II | 4 | F, Sp, Su |
|  |   |  |  |
|  | -Or- |  |  |
|  |   |  |  |
| CHEM 105 | General, Organic and Biological Chemistry I | 4 | F, Sp, Su |
|  | -And- |  |  |
| CHEM 106 | General, Organic, and Biological Chemistry II | 4 | F, Sp, Su |
|  |   |  |  |
| COMM 338 | Communication for Health Professionals | 4 | F |
| CSCI 101 | Introduction to Computers | 3 | F, Sp, Su |
| HCA 201 | Introduction to Health Care Systems | 3 | F, Sp, Su |
| HCA 303 | Health Policy and Contemporary Issues | 3 | F, Sp |
| HCA 402 | Health Care Informatics | 3 | As needed |
| HPE 102 | Human Health and Disease | 3 | F, Sp, Su |
| HPE 233 | Social and Global Perspectives on Health | 3 | F, Sp, Su |
| HPE 307 | Introduction to Epidemiology | 3 | F, Sp |
| HSCI 105 | Medical Terminology | 2 | F, Sp |
| HSCI 232 | Human Genetics | 4 | F |
| HSCI 494 | Independent Study in Health Sciences | 4 | As needed |
| MGT 201 | Foundations of Management | 3 | F, Sp, Su |
| MATH 240 | Statistical Methods I | 4 | F, Sp, Su |
| PHIL 206 | Ethics | 3 | F, Sp, Su |
| PSYC 110 | Introduction to Psychology | 4 | F, Sp, Su |
| PSYC 221 | Research Methods I: Foundations | 4 | F, Sp, Su |
| PSYC 230 | Human Development | 4 | F, Sp, Su |
| SOC 217 | Aging and Society | 4 | F, Sp, Su |
| SOC 314 | The Sociology of Health and Illness | 4 | Annually |

ONE COURSE from:

|  |  |  |  |
| --- | --- | --- | --- |
| PSYC 335 | Family Psychology | 4 | Annually |
| PSYC 339 | Psychology of Aging | 4 | Annually |
| PSYC 345 | Physiological Psychology | 4 | Annually |
| PSYC 424 | Health Psychology | 4 | Annually |

Total Credit Hours: 88

D. Medical Laboratory Sciences

|  |  |  |  |
| --- | --- | --- | --- |
| BIOL 108 | Basic Principles of Biology | 4 | F, Sp, Su |
| BIOL 231 | Human Anatomy | 4 | F, Sp, Su |
| BIOL 335 | Human Physiology | 4 | F, Sp, Su |
| BIOL 348 | Microbiology | 4 | F, Sp, Su |
| BIOL 429 | Medical Microbiology | 4 | As needed |
| CHEM 103 | General Chemistry I | 4 | F, Sp, Su |
| CHEM 104 | General Chemistry II | 4 | F, Sp, Su |
| CHEM 205 | Organic Chemistry I | 4 | F, Su |
| CHEM 206 | Organic Chemistry II | 4 | Sp, Su |
| CHEM 310 | Biochemistry | 4 | F |
| CSCI 101 | Introduction to Computers | 3 | F, Sp, Su |
| MATH 209 | Precalculus Mathematics | 4 | F, Sp, Su |
| MATH 240 | Statistical Methods I | 4 | F, Sp, Su |
| MEDT 301 | Clinical Microbiology | 8 | F |
| MEDT 302 | Clinical Chemistry | 8 | Sp |
| MEDT 303 | Immunohematology | 4 | F |
| MEDT 304 | Hematology | 6 | Sp |
| MEDT 305 | Pathophysiology | 2 | F |
| MEDT 306 | Clinical Immunology | 2 | Sp |
| MEDT 307 | Clinical Microscopy | 2 | F |
| PHYS 101 | General Physics I | 4 | F, Su |
| PSYC 110 | Introduction to Psychology | 4 | F, Sp, Su |
| SOC 200 | Society and Social Behavior | 4 | F, Sp |

Total Credit Hours: 95

E. Respiratory Therapy Completion

Note: Prior respiratory therapist licensure required for admission.

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| --- | --- | --- | --- |
| BIOL 231 | Human Anatomy | 4 | F, Sp, Su |
| BIOL 335 | Human Physiology | 4 | F, Sp, Su |
| CHEM 105 | General, Organic and Biological Chemistry I | 4 | F, Sp, Su |
| CSCI 101 | Introduction to Computers | 3 | F, Sp, Su |
| HPE 233 | Social and Global Perspectives on Health | 3 | F, Sp, Su |
| HPE 307 | Introduction to Epidemiology | 3 | F, Sp |
| HSCI 232 | Human Genetics | 4 | F |
| HSCI 402 | Current Topics in Dental Hygiene | 4 | As needed |
| HSCI 466 | Evidence-Based Decision Making for Dental Hygiene | 4 | As needed |
| HSCI 494 | Independent Study in Health Sciences | 4 | As needed |
| MATH 240 | Statistical Methods I | 4 | F, Sp, Su |
| PSYC 110 | Introduction to Psychology | 4 | F, Sp, Su |
| SOC 200 | Society and Social Behavior | 4 | F, Sp |
|  | Respiratory Therapist Licensure Transfer Credits | 42 |  |

Total Credit Hours: 91

## SCHOOL OF EDUCATION

## Community Health and Wellness

**Department of Health and Physical Education**
**Department Chair:** Robin Kirkwood Auld

**Community and Public Health Coordinator:** Carol Cummings

**Wellness and Movement Studies Coordinator:** Jason Sawyer

**Community Health and Wellness Program Faculty: Professor** Castagno; **Associate Professors**Auld, Cummings, Tunnicliffe; **Assistant Professors** Clark, England-Kennedy, Mukherjee, Pepin, Sawyer.

Students must consult with their assigned advisor before they will be able to register for courses. Students must present current certification in basic first aid, adult-child-infant CPR, and AED in order to enroll in an internship.

Community Health and Wellness B.S.

**Admission Requirements**

 Completion of 24 credits

 Minimum GPA 2.75

 Completion of College Math Competency

 Minimum Grade of B in First Year Writing 100

 Minimum of B- in HPE 102 and 202

 Submission of HPE 202 Faculty Reference Form

Retention Requirements

1. A minimum cumulative GPA of 2.75 each semester.

2. A minimum grade of B- in all other required program courses, except for BIOL 108, BIOL 231, BIOL 240, BIOL 335, and PSYC 110 or PSYC 215, which, when needed, require a minimum grade of C.

Course Requirements for Concentration A. Community and Public Health Promotion, B. Health and Aging, and C. Women’s Health.

Core Foundation Courses

|  |  |  |  |
| --- | --- | --- | --- |
| BIOL 108 | Basic Principles of Biology | 4 | F, Sp, Su |
| BIOL 231 | Human Anatomy | 4 | F, Sp, Su |
| BIOL 240 | Biostatistics | 4 | Sp |
| BIOL 335 | Human Physiology | 4 | F, Sp, Su |
|  |  |  |  |
| HCA 201 | Introduction to Health Care Systems | 3 | F, Sp, Su |
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| HPE 101 | Human Sexuality | 3 | F, Sp, Su |
| HPE 102 | Human Health and Disease | 3 | F, Sp, Su |
| HPE 202 | Introduction to Community and Public Health Promotion | 3 | F, Sp |
|  |  |  |  |
| HPE 221 | Nutrition | 3 | F, Sp |
| HPE 233 | Social and Global Perspectives on Health | 3 | F, Sp, Su |
| HPE 303 | Community Health | 3 | F, Sp |
| HPE 307 | Introduction to Epidemiology | 3 | F, Sp |
|  |  |  |  |
| HPE 410 | Stress Management | 3 | F, Sp |
|  |  |  |  |
| HPE 431PSYC 217 | D rug EducationOrDrugs and Chemical Dependency | 34 | F, SpF, sp |
|  |  |  |  |
| PSYC 110 | Introution to Psycholgy | 4 | F, sp, Su |
|  | -Or- |  |  |
| PSYC 215 | Social Psychology | 4 | F, Sp, Su |

Note: BIOL 231, BIOL 335: Students concentrating in recreation and leisure studies do not take BIOL 231 and BIOL 335.

**Professional Courses**

|  |  |  |  |
| --- | --- | --- | --- |
| COMM 208 | Public Speaking | 4 | F, Sp |
| HPE 300 | Health Education and Health Promotion Pedagogy | 3 | F, Sp |
| HPE 419 | Practicum in Community and Public Health | 3 | F |
| HPE 426 | Internship in Community and Public Health | 10 | F, Sp, Su |
| HPE 429 | Seminar in Community and Public Health | 2 | F, Sp, Su |

Concentrations

Choose Concentration A, B, C, D, or E below.

A. Community and Public Health

|  |  |  |  |
| --- | --- | --- | --- |
| HCA 303 | Health Policy and Con Issues | 3 | F, Sp |
|  |  |  |  |
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| HPE 403 | Environmental Health | 3 | Annually |
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| HSCI 105 | Medical Terminology | 2 | F, Sp |
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TWO COURSES from

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| --- | --- | --- | --- |
| ANTH 309 | Medical Anthropology | 4 | Alternate years |
| ANTH 347 | Environmental Justice | 4 | Alternate years |
| COMM 330 | Interpersonal Communication | 4 | F |
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| HCA 302 | Health Care Organizations | 3 | F, Sp |
|  |  |  |  |
| GEND 416 | Women’s Health | 4 | Annually |
|  | -Or- |  |  |
| HPE 416 | Women’s Health | 4 | Annually |
|  |  |  |  |
| HPE 431 | Drug Education | 3 | F, Sp |
| NPST 300 | Institute in Nonprofit Studies | 4 | F |
| PSYC 217 | Drugs and Chemical Dependency | 4 | F, Sp |
| PSYC 230 | Human Development | 4 | F, Sp, Su |
| PYSC 424 | Health Pscyhology | 4 | Annually |
| SWRK 200 | Introduction to Social Work | 4 | F, Sp, Su |
| SOC 314 | The Sociology of Health and Illness | 4 | Annually |
| YDEV 300 | Introduction to Youth Development | 4 | F, Sp |

Total Credit Hours: 85-88

B. Health and Aging

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| GRTL 314 | Health and Aging | 4 | F, Sp, Su |
|  | -Or- |  |  |
| NURS 314 | Health and Aging | 4 | F, Sp, Su |
|  |  |  |  |
| SOC 217 | Aging and Society | 4 | F, Sp, Su |
| SOC 320 | Law and the Elderly | 3 | Annually |

ONE COURSE from

|  |  |  |  |
| --- | --- | --- | --- |
| HPE 451 | Recreation and Aging | 3 | As needed |
| PSYC 339 | Psychology of Aging | 4 | Annually |
| NPST 300 | Institute in Nonprofit Studies | 4 | F |
| NURS 312 | Death and Dying | 3 | Sp |
| SOC 314 | The Sociology of Health and Illness | 4 | Annually |

Total Credit Hours: 86-87

C. Women’s Health

|  |  |  |  |
| --- | --- | --- | --- |
| GEND 200 | Gender and Society | 4 | F, Sp |
| GEND 201 | Introduction to Feminist Inquiry | 4 | F |
|  |  |  |  |
| GEND 416 | Women’s Health | 4 | Annually |
|  | -Or- |  |  |
| HPE 416 | Women’s Health | 4 | Annually |

ONE COURSE from

|  |  |  |  |
| --- | --- | --- | --- |
| COMM 332 | Gender and Communication | 4 | F |
| GEND 355 | Women and Madness | 4 | Alternate years |
| GEND 356 | Class Matters | 4 | F |
| GEND 357 | Gender and Sexuality | 4 | F |
| GEND 358 | Gender Based Violence | 4 | Alternate years |
| NPST 300 | Institute in Nonprofit Studies | 4 | F |
| PSYC 356 | Psychology of Gender | 4 | Annually |
| SOC 342 | Women, Crime, and Justice | 4 | F, Sp |

Total Credit Hours: 87-88

Course Requirements for Concentration D. RECREATION and Leisure Studies and E.. Wellness and movement studies.

Core Courses

|  |  |  |  |
| --- | --- | --- | --- |
| BIOL 108 | Basic Principles of Biology | 4 | F, Sp, Su |
| BIOL 231 | Human Anatomy | 4 | F, Sp, Su |
| BIOL 335 | Human Physiology | 4 | F, Sp, Su |
|  |   |  |  |
| ENGL 230 | Writing for Professional Settings | 4 | F, Sp, Su |
|  | -Or- |  |  |
| MKT 201 | Introduction to Marketing | 3 | F, Sp, Su |
|  |   |  |  |
| HPE 102 | Personal Health | 3 | F, Sp, Su |
| HPE 205 | Conditioning for Personal Fitness | 3 | F, Sp |
| HPE 221 | Nutrition | 3 | F, Sp |
| HPE 233 | Social and Global Perspectives on Health | 3 | F, Sp, Su |
| HPE 303 | Community Health | 3 | F, Sp |
| HPE 406 | Program Development in Health Promotion | 3 | Sp or as needed |
| HPE 410 | Stress Management | 3 | F, Sp |
| PSYC 215 | Social Psychology | 4 | F, Sp, Su |

Note: BIOL 231, BIOL 335: Students concentrating in recreation and leisure studies do not take BIOL 231 and BIOL 335.

Note: PSYC 215: Students concentrating in wellness and movement studies may take either PSYC 215 or PSYC 110.

D. Recreation and Leisure Studies

|  |  |  |  |
| --- | --- | --- | --- |
| HPE 151 | Introduction to Recreation in Modern Society | 3 | As needed |
| HPE 243 | Motor Development and Motor Learning | 3 | F, Sp |
| HPE 251 | Recreation Delivery Systems | 3 | As needed |
| HPE 253 | Introduction to Therapeutic Recreation | 3 | As needed |
| HPE 301 | Principles of Teaching Activity | 3 | F, Sp |
| HPE 323 | Teaching in Adventure Education | 3 | F, Sp |
| HPE 351 | Leadership and Supervision of Recreation | 3 | As needed |
| HPE 356 | Recreation Practicum | 4 | As needed |
| HPE 427 | Internship in Movement Studies and Recreation | 10 | F, Sp, Su |
| HPE 430 | Seminar in Movement Studies and Recreation | 2 | F, Sp, Su |
| HPE 451 | Recreation and Aging | 3 | As needed |

TWO COURSES from

|  |  |  |  |
| --- | --- | --- | --- |
| HPE 252 | Camping and Recreational Leadership | 3 | As needed |
| HPE 278 | Coaching Skills and Tactics | 3 | F, Sp |
| HPE 307 | Dynamics and Determinants of Disease | 3 | F, Sp |
| HPE 404 | School Health and Physical Education Leadership | 3 | Sp |
| PSYC 339 | Psychology of Aging | 4 | Annually |

Total Credit Hours: 78-80

E. Wellness and Movement Studies

|  |  |  |  |
| --- | --- | --- | --- |
| HPE 140 | Foundations of Wellness and Health Promotion | 3 | F, Sp |
| HPE 201 | Prevention and Care of Athletic Injuries | 3 | Sp |
| HPE 243 | Motor Development and Motor Learning | 3 | F, Sp |
| HPE 278 | Coaching Skills and Tactics | 3 | F, Sp |
| HPE 301 | Principles of Teaching Activity | 3 | F, Sp |
| HPE 309 | Exercise Prescription | 3 | F |
| HPE 411 | Kinesiology | 3 | F |
| HPE 420 | Physiological Aspects of Exercise | 3 | Sp |
| HPE 421 | Practicum in Movement Studies and Assessment | 3 | F |
| HPE 427 | Internship in Movement Studies and Recreation | 10 | F, Sp, Su |
| HPE 430 | Seminar in Movement Studies and Recreation | 2 | F, Sp, Su |

TWO COURSES from

|  |  |  |  |
| --- | --- | --- | --- |
| HPE 151 | Introduction to Recreation in Modern Society | 3 | As needed |
| HPE 244 | Group Exercise Instruction | 3 | Sp |
| HPE 247 | Rhythmic Movement | 3 | Sp |
| HPE 307 | Dynamics and Determinants of Disease | 3 | F, Sp |
| HPE 308 | The Science of Coaching | 3 | Sp |
| HPE 310 | Strength and Conditioning for the Athlete | 3 | F |
| HPE 323 | Teaching in Adventure Education | 3 | F, Sp |
| HPE 404 | School Health and Physical Education Leadership | 3 | Sp |
| HPE 408 | Coaching Applications | 3 | F |
| HPE 451 | Recreation and Aging | 3 | As needed |
| SOC 217 | Aging and Society | 4 | F, Sp, Su |

Total Credit Hours: 85-87

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## Health Education

Writing in the Discipline (p. 388)

**Department of Health and Physical Education**

**Department Chair:** Robin Kirkwood Auld

**B.S. in Health Education Undergraduate Program Director:** Susan Clark

**M.Ed. in Health Education Graduate Program Director:** Carol Cummings

**Health Education Program Faculty: Associate Professor** Cummings; **Assistant Professors** Clark,  England, Kennedy

Students **must** consult with their assigned advisor before they will be able to register for courses.

Health Education B.S.

Retention Requirements

1. A minimum cumulative GPA of 2.75 each semester.

2. A minimum grade of B- in HPE 300 and HPE 418, and a recommendation to continue from the instructors of each course.

3. A minimum grade of B- in all other required and professional courses.

4. Completion of the Professional Service Retention Requirement prior to enrolling in HPE 424.

Course Requirements

Courses

|  |  |  |  |
| --- | --- | --- | --- |
| HPE 101 | Human Sexuality | 3 | F, Sp, Su |
| HPE 102 | Human Health and Disease | 3 | F, Sp, Su |
| HPE 140 | Foundations of Wellness and Health Promotion | 3 | F, Sp |
| HPE 200 | Promoting Health and Well-Being in Schools | 3 | F, Sp |
| HPE 221 | Nutrition | 3 | F, Sp |
| HPE 233 | Social and Global Perspectives on Health | 3 | F, Sp, Su |
| HPE 325 | Assessment in Health and Physical Education | 3 | F |
| HPE 404 | School Health and Physical Education Leadership | 3 | Sp |
| HPE 410 | Stress Management | 3 | F, Sp |
| HPE 431 | Drug Education | 3 | F, Sp |

## Physical Education

Writing in the Discipline (p. 388)

**Department of Health and Physical Education**

**Department Chair:** Robin Kirkwood Auld

**Physical Education Undergraduate Program Coordinator**: Karen Castagno

**Adapted Physical Education Undergraduate Program Coordinator:** Kerri Tunnicliffe

**Physical Education Program Faculty: Professor** Castagno; **Associate Professors** Auld, Tunnicliffe; **Assistant Professors** Heath, Pepin

Students **must** consult with their assigned advisor before they will be able to register for courses.

Physical Education B.S.

Retention Requirements

1. A minimum cumulative GPA of 2.75 each semester.

2. A minimum grade of B- in HPE 413 and HPE 414; and a recommendation to continue from the instructors of each course.

3. A minimum grade of B- in all other required and professional courses.

4. Completion of the Professional Service Retention Requirement prior to enrolling in HPE 425.

Course Requirements

Courses

|  |  |  |  |
| --- | --- | --- | --- |
| HPE 102 | Human Health and Disease | 3 | F, Sp, Su |
| HPE 140 | Foundations of Wellness and Health Promotion | 3 | F, Sp |
| HPE 243 | Motor Development and Motor Learning | 3 | F, Sp |
| HPE 301 | Principles of Teaching Activity | 3 | F, Sp |
| HPE 325 | Assessment in Health and Physical Education | 3 | F |
| HPE 404 | School Health and Physical Education Leadership | 3 | Sp |
| HPE 409 | Adapted Physical Education | 3 | Sp |
| HPE 411 | Kinesiology | 3 | F |
| HPE 415 | Teaching/Assessment in Adapted Physical Education | 3 | F |
| HPE 420 | Physiological Aspects of Exercise | 3 | Sp |

## GEND - Gender and Women's Studies

GEND 356 - Class Matters (4)

Focus is on the construction, reproduction, and representation of class in modern America; the impact of social and economic structures on opportunities, identities, and values; and intersections with gender and race.

Prerequisite: GEND 200 or consent of director.

Offered: Fall.

GEND 357 - Gender and Sexuality (4)

Students examine how the social construction of gender and issues of power, dominance, and resistance affect the practice and regulation of sexuality.

Prerequisite: GEND 200 or consent of director.

Offered: Fall.

GEND 358 - Gender-Based Violence (4)

Students examine forms and types of gender-based violence, including sexual assault and intimate partner, socio-cultural, economic and political violence in the United States with a secondary discussion of global violence.

Prerequisite: GEND 200 or consent of director.

Offered: Alternate years.

GEND 400 - Internship in Gender and Women’s Studies (4)

Students engage in experiential learning and participate in a selected public or private agency/organization. Each student formulates specific learning objectives under the direction of an instructor.

Prerequisite: GEND 200, junior or senior standing and consent of program director following an interview.

Offered: As needed.

**GEND 416 – Women’s Health (4)**

Students examine women’s health from a holistic, and interdisciplinary perspective. Personal, social, cultural, and societal influences on the health of women, health disparities, and effective health promotion efforts are explored. Students cannot receive credit for both GEND 416 and HPE 416

Prerequisite: 45 credit hours or consent of department chair.

Offered: Annually

GEND 458 - Gender and Education (4)

Students explore how gender impacts the experiences of boys/men and girls/women in educational settings.

Prerequisite: GEND 200 and consent of director.

Offered: As needed.

## HPE - Health and Physical Education

HPE 101 - Human Sexuality (3)

This is an introduction to human sexuality through multidisciplinary research and theory. Attention is given to sociological perspectives. Guest lectures and films add to the breadth of approach.

Offered: Fall, Spring, Summer.

HPE 102 - Human Health and Disease (3)

Students examine factors influencing personal health and wellness and disease etiology through engaging learning strategies. Focus is on personal health promotion, disease prevention, and associated health behaviors.

Offered: Fall, Spring, Summer.

HPE 105 - Bowling (1)

The development of fundamental skills to promote participation in this activity is stressed. Social skills, strategies, and rule interpretations relevant to each activity are included. This is an eight-week course. 4 contact hours.

Offered: As needed.

HPE 109 - Swimming Beginning (1)

The development of fundamental skills to promote participation in this activity is stressed. Social skills, strategies, and rule interpretations relevant to each activity are included. This is an eight-week course. 4 credit hours.

Offered: Fall, Spring.

**……**

HPE 200 - Promoting Health and Well-Being in Schools (3)

Students develop competencies in content knowledge and skills to address critical health issues facing children and youth. Application of strategies to promote healthy behaviors and well-being in schools are explored.

Prerequisite: 24 credit hours or consent of department chair.

Offered: Fall, Spring.

HPE 201 - Prevention and Care of Athletic Injuries (3)

Students acquire a basic understanding of sports medicine. Topics include preventive techniques, basic anatomy, injury recognition and rehabilitation of athletic injuries. 4 contact hours.

Offered: Spring.

HPE 202 - Community & Public Health Promotion (3)

Students explore critical roles and contributions of public health and health promotion, including health education in community-based settings. Focus is on professional philosophies, ethics, and entry-level responsibilities.

Offered: Fall, Spring.

HPE 205 - Conditioning for Personal Fitness (3)

Students develop personal fitness through participation in a variety of supervised activities and develop a knowledge base necessary to design their own fitness programs. Fitness-related topics and fitness testing are also included. 4 contact hours.

Offered: Fall, Spring.

HPE 206 - Fundamental Movement and Its Analysis (3)

Through lecture, laboratory and on-site clinical experiences, the fundamentals of movement analysis are introduced, including the phases of motor development and the kinesiological principles associated with how individuals move. 4 contact hours.

Offered: Fall, Spring.

HPE 207 - Motor Skill Development for Lifetime Wellness I (3)

Basic competencies are developed in a variety of team activities. Included are relevant skill and tactical development and background information. Emphasis is placed on relating the activities to wellness concepts. 4 contact hours.

Prerequisite: HPE 206.

Offered: Fall, Spring.

HPE 208 - Motor Skill Development for Lifetime Wellness II (3)

Basic competencies are developed in a variety of individual and dual activities. Included are skill analysis, strategies, rules and history relevant to the activities. Emphasis is on the role of individual and dual sports in achieving a lifestyle of wellness. 4 contact hours.

Prerequisite: HPE 206

Offered: Fall, Spring.

HPE 221 - Nutrition (3)

Students study fundamental principles of human nutrition, application of nutrition concepts in dietary practice, relationship between diet nutrition, and human health, along with approaches to support healthy eating habits.

Offered: Fall, Spring.

HPE 233 - Social and Global Perspectives on Health (3)

Students explore social, global and population perspectives on health, health equity and social justice. Sociocultural factors influencing health decision-making are studied. Health behavior theories are integrated. Advocacy skills are developed.

Prerequisite: 24 credit hours or consent of department chair.

Offered: Fall, Spring, Summer.

HPE 243 - Motor Development and Motor Learning (3)

Through lecture and lab experiences the fundamentals of motor development and motor learning theories are explored. Studies focus on the effects of growth and developmental factors throughout the lifespan.

Offered: Fall, Spring.

HPE 244 - Group Exercise Instruction (3)

Students will augment existing fitness abilities with knowledge and skills on how to design and teach group exercise classes based on exercise physiology concepts and professional standards.

Prerequisite: HPE 205 and HPE 243 or consent of department chair.

Offered: Spring.

HPE 247 - Rhythmic Movement (3)

Focus is on the development of movement concepts and skill themes to promote exploration of a variety of educational gymnastic movements as well as rhythmic activities. 4 contact hours.

Prerequisite: HPE 206.

Offered: Spring.

HPE 251 - Recreation Delivery Systems (3)

Services provided by agencies in both the public and private sectors of leisure-service industries are examined. The functions of these agencies are investigated through lectures, field trips and on-site volunteer work. 4 contact hours.

Offered: As needed.

HPE 252 - Camping and Recreational Leadership (3)

The philosophy and problems of camping and recreational leadership are studied. The principles, practices, processes and techniques of leadership are studied in depth. Lecture and laboratory.

Offered: As needed.

HPE 253 - Introduction to Therapeutic Recreation (3)

Students are introduced to the history, concepts and philosophy of therapeutic recreation in community and institutional settings. Field trips and on-site observations are included.

Offered: As needed.

HPE 278 - Coaching Skills and Tactics (3)

Skill development and tactical awareness are introduced. Students acquire the ability to explain, demonstrate, analyze and provide feedback for physical movements while coaching players of all ages.

Prerequisite: HPE 243.

Offered: Fall, Spring.

HPE 300 - Health Education and Health Promotion Pedagogy (3)

Students study effective health education and health promotion in school and community settings, teaching models, and pedagogical approaches that support health. Observation, instruction, and reflection skills are developed and practiced. ??school visits are required??

Prerequisite: Minimum cumulative GPA of 2.75 and admission into the health education teacher preparation program, or community health and wellness program, or consent of department chair.

Offered: Fall, Spring.

HPE 301 - Principles of Teaching Activity (3)

Techniques of activity presentation are studied, including the task, problem-solving and guided discovery methods. Individual philosophies of teaching are considered. Supervised teaching experiences are included.

Prerequisite: HPE 140 and HPE 243; and admission to the Feinstein School of Education and Human Development or consent of department chair.

Offered: Fall, Spring.

HPE 302 - Practicum in Team Activities (3)

Students analyze select team sport skills and tactics to develop appropriate teaching progressions in team activities. Observations and supervised teaching experiences in pre-K-12 school settings are included. 6 contact hours.

Prerequisite: HPE 207 and HPE 301, or consent of department chair; and admission to the physical education teacher preparation program.

Offered: Spring.

HPE 303 - Research in Community and Public Health (3)

Students investigate core public health concerns. Using population health databases, students write a policy-focused research paper. Topics include health determinants and disparities, communicable and chronic disease, and levels of prevention.

Prerequisite: HPE 202 and admission to the Feinstein School of Education and Human Development or consent of department chair.

Offered: Fall, Spring.

HPE 305 - Advanced Prevention and Care of Athletic Injuries (3)

Preventative screening, pathomechanics of injury and evaluation techniques are analyzed. Relying heavily on the case-study approach, laboratory sessions include opportunities for supervised practice and the application of training procedures.

Prerequisite: HPE 201.

Offered: As needed.

HPE 307 - Introduction to Epidemiology (3)

This course provides students with an understanding of the basic concepts, principles, and methods of epidemiology as applied to studies of both infectious and chronic diseases.

Prerequisite: HPE 102, HPE 202, and 30 credit hours or consent of department chair.

Offered: Fall, Spring.

HPE 308 - The Science of Coaching (3)

Scientific aspects of coaching, motor skill acquisition, sport psychology and developmentally appropriate sport programs are analyzed. Emphasis is on coaching philosophy, methodology as well as ethics in coaching.

Prerequisite: HPE 205, HPE 243 and HPE 278, or consent of department chair.

Offered: Spring.

HPE 309 - Exercise Prescription (3)

Students will learn how to prescribe appropriate and effective personalized fitness programs. Lectures, practical applications and case studies allow for effective practice designing programs for all populations.

Prerequisite: HPE 205 and HPE 243 or consent of department chair.

Offered: Fall.

HPE 310 - Strength and Conditioning for the Athlete (3)

Students will explore the roles and responsibilities of strength and conditioning specialists and acquire skills to design and instruct strength programs for athletes and clients desiring higher level performance.

Prerequisite: BIOL 231.

Offered: Fall.

HPE 313 - Elementary Activities (3)

Basic competencies are developed to build a movement framework for children (BSER framework). Included are exploration related to locomotor, non-locomotor, manipulative and creative movement concepts at the elementary level.

Prerequisite: 12 credit hours, including HPE 243, or consent of department chair.

Offered: Fall.

HPE 314 - Middle School Activities (3)

Basic competencies are developed to enhance skill development. Included are skill analysis, development of strategies and tactics of individual/dual, team, adventure education and rhythmic activities at the middle school setting.

Prerequisite: HPE 301 and 313, or consent of department chair.

Offered: Fall.

HPE 315 - High School Activities (3)

Basic competencies are developed to enhance skill development. Included are skill analysis, development of strategies and tactics of individual and dual/team, adventure education and rhythmic activities in the high school setting.

Prerequisite: HPE 314; consent of department chair.

Offered: Fall.

HPE 323 - Teaching in Adventure Education (3)

In-depth analysis is given of adventure education and outdoor pursuits. Emphasis is on implementing alternative physical activities. Teaching experiences in pre-K-12 school settings are included. 4 contact hours.

Prerequisite: Students in the teacher preparation program must complete two of the three practicums or have consent of department chair. Students majoring in community health and wellness must complete HPE 323 within one year of enrolling in HPE 427.

Offered: Fall, Spring.

HPE 325 - Assessment in Health and Physical Education (3)

Construction, administration, and interpretation of measuring devices for classroom and program assessment are covered. Student performance, achievement, and program status are also evaluated and discussed.

Prerequisite: HPE 300 or HPE 301, or concurrent enrollment in HPE 300 or HPE 301, or consent of department chair.

Offered: Fall.

HPE 344 - Infant Toddler Health and Wellness (3)

Students explore infant/toddler development including physical health, motor development and impact of environmental, socioeconomic and cultural influences on development. Basic health, safety and nutritional practices are also studied.

Prerequisite: ECED 302, ECED 310, ECED 312, ECED 314, ECED 332, ECED 410 and SPED 305 (B- or higher).

Offered: Fall

HPE 345 - Wellness for the Young Child (3)

Wellness topics for early childhood education (B-8) programs are addressed. This course includes experiences in teaching specific basic wellness topics (e.g., health, safety, nutrition and overall wellness). Hybrid course.

Prerequisite: Admission to the ECED Program or consent of the Health and Physical Education department chair.

Offered: Spring, Summer.

HPE 346 - Pedagogical Skills in Elementary Health/Physical Education (3)

Basic principles of comprehensive health education and physical education programs for elementary schools are addressed. 4 contact hours.

Prerequisite: Admission to the Feinstein School of Education and Human Development.

Offered: Fall, Spring, Summer.

HPE 351 - Leadership and Supervision of Recreation (3)

Leadership styles and techniques appropriate for different age groups and a variety of settings are analyzed.

Prerequisite: HPE 151.

Offered: As needed.

HPE 356 - Recreation Practicum (4)

Students assist in the development, presentation and evaluation of leisure-time activities in community, agency, school or college settings. Lecture and field experience. 7 contact hours.

Prerequisite: HPE 151 and HPE 252.

Offered: As needed.

HPE 390 - Independent Study in Physical Education (1)

Students select a topic and undertake concentrated research under the supervision of a faculty advisor.

Prerequisite: Consent of department chair.

Offered: As needed.

HPE 402 - Advanced Practicum in Curriculum and Instruction (3)

Students analyze select individual/dual and team sport skills, tactics and strategies to develop appropriate teaching progressions. Observations and supervised teaching experiences in pre-K-12 school settings are included.

Prerequisite: HPE 207, HPE 208, HPE 300, HPE 301, HPE 418 and admission to the health and physical education teacher preparation program or consent of department chair.

Offered: Spring.

**HPE 403 - Environmental Health (3)**

Students survey environmental health from holistic and interdisciplinary perspectives. They examine the interactive nature of natural and anthropogenic environments, and their impacts on community and population health and health promotion.

Prerequisite: 45 credit hours or consent of department chair.

Offered: Annually

HPE 404 - School Health and Physical Education Leadership (3)

Topics include practical organizational and administrative content and skills, consideration for program planning, teacher evaluation, curriculum, policies, leadership, technology and standards for health education, physical education and extracurricular activities.

Prerequisite: HPE 414 or HPE 418, or concurrent enrollment in HPE 414 or HPE 418, or consent of department chair.

Offered: Spring.

HPE 406 - Program Development in Health Promotion (3)

Students will learn a systematic approach to develop health promotion programs. Planning models, needs assessments, behavior change theories, social marketing, program implementation, and evaluation techniques will be addressed.

Prerequisite: HPE 300 or HPE 301; HPE 303; or consent of the department chair.

Offered: Spring or as needed.

HPE 408 - Coaching Applications (3)

Effective planning, implementation and evaluation of practice and game management, as well as seasonal responsibilities of the coach, are analyzed. Includes field work in coaching.

Prerequisite: HPE 201, HPE 205, HPE 243, HPE 278, HPE 308, and current first aid/CPR (infant, child, and adult with AED) certification.

Offered: Fall.

HPE 409 - Adapted Physical Education (3)

Individual differences that affect motor learning and performance are considered. Individual educational programs in adaptive, developmental, corrective and inclusive physical education are designed. Laboratory is included.

Prerequisite: SPED 433 and concurrent enrollment in or completion of HPE 413 or HPE 414.

Offered: Spring.

HPE 410 - Stress Management ()

Students explore connections between mental and physical health as related to managing stress. Activities include the identification of sources, the identification of the impact of stress on health, and the implementation of stress management techniques.

Prerequisite: 45 credit hours or consent of department chair.

Offered: Fall, Spring.

HPE 411 - Kinesiology (3)

The effects of physical and anatomical principles on the performance of motor patterns are studied and the mechanical analysis of specific activities are analyzed.

Prerequisite: BIOL 231, HPE 313 (for HPE majors) or HPE 278 (for CHW-WMS majors) and admission to the Feinstein School of Education and Human Development or consent of department chair.

Offered: Fall.

HPE 412 - Organization and Administration of Physical Education Programs: Prekindergarten through Grade Twelve (3)

Topics include the practical organizational aspects of decision making, program planning and evaluating, as well as administrative concerns involved in physical education programs, athletics, intramurals and selected special areas. 4 contact hours.

Prerequisite: HPE 301 or HPE 418 or consent of department chair.

Offered: Fall.

HPE 413 - Practicum in Elementary Physical Education (3)

Practice creating and implementing developmentally appropriate lessons associated with rhythmic, individual, dual, team and adventure activities at the elementary level. Includes observations and supervised teaching experiences in PK-5 settings. (Formerly Practicum in Creative Movement and Dance.) 4 contact hours.

Prerequisite: HPE 313; admission to the Feinstein School of Education and Human Development or consent of department chair.

Offered: Spring.

HPE 414 - Practicum In Secondary Physical Education (3)

Practice creating and implementing developmentally appropriate lessons associated with rhythmic, individual, dual, team and adventure activities at the secondary level. Includes observations and supervised teaching experiences in 6th-12th grade settings. (Formerly Practicum in Individual and Dual Activities.) 6 contact hours.

Prerequisite: HPE 314 and HPE 315; admission to the Feinstein School of Education and Human Development or consent of department chair.

Offered: Spring.

HPE 415 - Teaching/Assessment in Adapted Physical Education (3)

Students assess individuals to determine if APE services are needed. Creating/implementing lesson plans in gross motor function, instructional tools and IEP’s are practiced. Supervised teaching in school settings are included.

Prerequisite: HPE 409 and SPED 433 with a minimum grade of B-; or consent of department chair.

Offered: Fall.

**HPE 416 – Women’s Health (4)**

Students examine women’s health from a holistic, and interdisciplinary perspective. Personal, social, cultural, and societal influences on the health of women, health disparities, and effective health promotion efforts are explored. Students cannot receive credit for both HPE 416 and GEND 416

Prerequisite: 45 credit hours or consent of department chair.

Offered: Annually

HPE 417 - Practicum In Elementary Health Education (3)

Students prepare and implement skills-based school health education lessons for the elementary student. Included are planning and implementation of a unit plan and a supervised teaching experience.

Prerequisite: HPE 431 or consent of department chair.

Offered: Fall.

HPE 418 - Practicum in Secondary Health Education (3)

Students prepare and implement skills-based school health education for the secondary student. Included are development of a unit plan and a supervised teaching experience.

Prerequisite: HPE 417 or consent of department chair.

Offered: Spring.

HPE 419 - Practicum in Community and Public Health (3)

Under the guidance of the instructor and health agency personnel, students gain practical experience necessary for planning, implementing, and evaluating community and public health promotion programs.

Prerequisite: BIOL 231, BIOL 335; HPE 406; a minimum cumulative GPA of 2.75; or consent of department chair.

Offered: Fall.

HPE 420 - Physiological Aspects of Exercise (3)

Topics range from the physiological response of the human muscular and cardiorespiratory systems to the acute and chronic effects of physical activity. Lecture and laboratory. 4 contact hours.

Prerequisite: BIOL 335 and admission to the physical education teacher preparation program or consent of department chair.

Offered: Spring.

HPE 421 - Practicum in Movement Studies and Assessment (3)

Under the guidance of the instructor and wellness center supervisor, students gain the practical experience necessary for analyzing, planning, implementing and assessing fitness programs for individuals and groups. 4 contact hours.

Prerequisite: BIOL 231; BIOL 335; HPE 406; a minimum cumulative GPA of 2.50; or consent of the department chair.

Offered: Fall.

HPE 422 - Student Teaching Seminar in Health Education (2)

Teacher behaviors appropriate to effective teaching are developed. Topics include classroom and time management, effective communication, learning styles and teaching strategies. This seminar meets weekly.

Prerequisite: Concurrent enrollment in HPE 424.

Offered: Fall, Spring.

HPE 423 - Student Teaching Seminar in Physical Education (2)

Teacher behaviors appropriate to effective teaching are developed. Topics include classroom and time management, effective communication, learning styles and teaching strategies. This seminar meets weekly.

Prerequisite: Concurrent enrollment in HPE 425.

Offered: Fall, Spring.

HPE 424 - Student Teaching in Health Education (10)

In this culminating field experience, candidates complete a teaching experience in an elementary and secondary school under the supervision of cooperating teachers and a college supervisor. This is a full-semester assignment. Graded S, U.

Prerequisite: Concurrent enrollment in HPE 422, passing score(s) on Praxis, approved Preparing to Teach Portfolio and other Feinstein School of Education and Human Development admission and retention requirements.

Offered: Fall, Spring.

HPE 425 - Student Teaching in Physical Education (10)

In this culminating field experience, candidates complete a teaching experience in an elementary and secondary school under the supervision of cooperating teachers and a college supervisor. This is a full-semester assignment. Graded S, U.

Prerequisite: Concurrent enrollment in HPE 423, passing score(s) on Praxis, approved Preparing to Teach Portfolio and other Feinstein School of Education and Human Development admission and retention requirements.

Offered: Fall, Spring.

HPE 426 - Internship in Community and Public Health (10)

Students cultivate professional skills essential to the diverse fields of community and public health, including health education and health promotion, through a service-learning experience in health agencies or organizations. Graded S, U.

Prerequisite: HPE 419, minimum cumulative GPA of 2.50, an approved Preparing for Internship Portfolio, and completion of all required courses.

Offered: Fall, Spring, Summer.

HPE 427 - Internship in Movement Studies and Recreation (10)

Professional skills essential to the movement studies or recreation profession are developed and implemented in a selected setting. This is a full-semester assignment.

Prerequisite: HPE 421, concurrent enrollment in HPE 430, a minimum cumulative GPA of 2.50, approved Preparing for Internship Portfolio and completion of all required courses.

Offered: Fall, Spring, Summer.

HPE 429 - Seminar in Community and Public Health (2)

Students participate in a professional learning community to share, analyze, and reflect on internship and research experiences. Students further develop professional competencies in the field.

Prerequisite: Concurrent enrollment in HPE 426.

Offered: Fall, Spring, Summer.

HPE 430 - Seminar in Movement Studies and Recreation (2)

In a professional learning community, students analyze, reflect and share internship experiences. Responsibilities and best practices of the profession are explored and developed.

Prerequisite: Concurrent enrollment in HPE 427.

Offered: Fall, Spring, Summer.