Public Health Masters (MPH) Required and Elective Coursework

Concentrations:

Behavioral, Social, and Community Health

Biostatistics

Environmental Health

Epidemiology

Family Health

Physical Activity

Professional Health Education

Public Health Administration
MAJOR COURSEWORK (22 credits)

Public Health Core (15 credits)

- **SPH-B 589** Social and Behavioral Determinants of Health (3 cr.)
- **SPH-E 651** Epidemiology (3 cr.)
- **SPH-P 510** Organization and Administration of Public Health Programs (3 cr.)
- **SPH-Q 501** (Formerly: HPER-T 591) Introduction to Statistics in Public Health (3 cr.)
- **SPH-V 541** (Formerly: HPER-V 512) Environmental Health Science (3 cr.)

Required (7 credits)

- **SPH-B 696** (Formerly: HPER-C 644) Field Experience in Public Health (5 cr.) \( P: \) GPA of \( \geq 3.0 \)
- **SPH-B 698** (Formerly: HPER-C 650) MPH Culminating Experience (2 cr.)

CONCENTRATION COURSEWORK (21 credits)

**BEHAVIORAL, SOCIAL, AND COMMUNITY HEALTH**

Required (12 credits)

- **SPH-B 501** Assessment & Planning in Public Health (3 cr.)
- **SPH-B 529** Health and Disease Disparities in Diverse Communities (3 cr.)
- **SPH-B 602** Intervention Design in Public Health (3 cr.) \( (p: B 589 \text{ and } B 501) \)
- **SPH-H 562** (Formerly: HPER-H 594) Health Program Evaluation (3 cr.)

Electives (9 credits)

- **XXXX-X XXX** (3 cr.) \( P: \) Prior permission of advisor
- **XXXX-X XXX** (3 cr.) \( P: \) Prior permission of advisor
- **XXXX-X XXX** (3 cr.) \( P: \) Prior permission of advisor
**MAJOR COURSEWORK (22 credits)**

Public Health Core (15 credits)

- **SPH-B 589** Social and Behavioral Determinants of Health (3 cr.)
- **SPH-E 651** Epidemiology (3 cr.)
- **SPH-P 510** Organization and Administration of Public Health Programs (3 cr.)
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Required (7 credits)

- **SPH-Q 696** (Formerly: HPER-Q 644) Field Experience in Public Health (5 cr.) P: GPA of ≥ 3.0
- **SPH-Q 698** (Formerly: HPER-Q 650) MPH Culminating Experience (2 cr.)

**CONCENTRATION COURSEWORK (21 credits)**

**BIOSTATISTICS**

Required (9 credits)

- **SPH-Q 601** (Formerly: HPER-T 693) Experimental Analysis & Design (3 cr.) P: SPH-Q 501. Crse equiv to STAT-S 502

  --or-- **STAT-S 502** Statistical Methods I (3 cr.) P: Permission of instructor

- **SPH-Q 602** (Formerly: HPER-T 694) Multivariate Statistical Analysis (3 cr.) P: SPH-Q 501

- **SPH-Q 603** (Formerly: HPER-C 695) Categorical Data Analysis (3 cr.) P: SPH-Q 501. Course equiv to STAT-S 503.

  --or-- **STAT-S 503** Statistical Methods IIb: Generalized Linear Models & Categorical Data (3 cr.) P: STAT-S 501 or one graduate course in statistics.

Statistics Electives (Complete 6 credits from the following courses)

- **SPH-B 642** (Formerly: HPER-C 642) Operational Research in Public Hlth (3 cr.) P: SPH-Q 501
- **SPH-Q 612** Survival Analysis (3 cr.)
- **STAT-S 626** Bayesian Theory and Data Analysis (3 cr.) P: Two statistics courses at the graduate level, or consent of instructor.
- **STAT-S 631** Applied Linear Models I (3 cr.) P: STAT-S 520 and MATH-M 301 or M 303 or S 303 (or equivalent courses), or consent of instructor.
- **STAT-S 632** Applied Linear Models II (3 cr.) P: STAT-S 631, or consent of instructor.
STAT-S 637  Categorical Data Analysis (3 cr.)  P: Two statistics courses at the graduate level, or consent of instructor. Course is equivalent to EDUC-Y 637.

STAT-S 639  Multilevel Models (3 cr.)  P: Two statistics courses at the graduate level, or consent of instructor. Course is equivalent to EDUC-Y 639.

STAT-S 640  Multivariate Data Analysis (3 cr.)  P: Two statistics courses at the graduate level, or consent of the instructor. Course is equivalent to PSY-P 654.

STAT-S 655  Longitudinal Data Analysis (3 cr.)  P: Two statistics courses at the graduate level, or consent of the instructor. Course is equivalent to EDUC-Y 655.

STAT-S 660  Sampling (3 cr.)  P: Two statistics courses at the graduate level, or consent of the instructor.

STAT-S 670  Exploratory Data Analysis (3 cr.)  P: Two statistics courses at the graduate level, or consent of the instructor.

STAT-S 675  Statistical Learning and High-Dimensional Data Analysis (3 cr.)  P: STAT-S 640, or two statistics courses at the graduate level, or consent of the instructor.

STAT-S 690  Statistical Consulting (3 cr.)  P: Consent of instructor.

Other Electives (6 credits)

____ XXXX-X XXX  (3 cr.)  P: Prior permission of advisor

____ XXXX-X XXX  (3 cr.)  P: Prior permission of advisor
Environmental Health (ENVHLMMPH)
Master of Public Health degree (43 cr. plus prerequisites)
3.0 GPA required for graduation, Minimum C- in each course
Effective summer 2012
Applied Health Science – SPH 116 – (812) 855-3627
Environmental Health – SPH C 036 – (812) 856-2448
Epidemiology and Biostatistics – SPH C 036 – (812) 856-2260
Kinesiology – SPH 112 – (812) 855-5523
Recreation, Park & Tourism Studies–SPH 133–(812) 855-4711

MAJOR COURSEWORK (22 credits)

Public Health Core (15 credits)

____ SPH-B 589 Social and Behavioral Determinants of Health (3cr.)
____ SPH-E 651 Epidemiology (3 cr.)
____ SPH-P 510 Organization and Administration of Public Health Programs (3 cr.)
____ SPH-Q 501 (Formerly: HPER-T 591) Introduction to Statistics in Public Health (3 cr.)
____ SPH-V 541 (Formerly: HPER-V 512) Environmental Health Science (3 cr.)

Required (7 credits)

____ SPH-V 696 (Formerly: HPER-V 644) Field Experience in Public Health (5 cr.) P: GPA of ≥ 3.0
____ SPH-V 698 (Formerly: HPER-V 650) MPH Culminating Experience (2 cr.)

CONCENTRATION COURSEWORK (21 credits)

ENVIRONMENTAL HEALTH

Required (12 credits)

____ SPH-V 542 (Formerly: HPER-V 513) Principles of Toxicology (3 cr.)
____ SPH-V 545 (Formerly: HPER-V 519) Exposure Assessment and Control (3 cr.)
____ SPH-V 546 (Formerly: HPER-V 520) Risk Assessment, Policy and Toxic Regulations (3 cr.)
____ SPH-V 548 ( Formerly: HPER-V 522) Environmental and Occupational Epidemiology (3 cr.)

Electives (9 credits)

____ XXXX-X XXX (3 cr.) P: Prior permission of advisor
____ XXXX-X XXX (3 cr.) P: Prior permission of advisor
____ XXXX-X XXX (3 cr.) P: Prior permission of advisor

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MAJOR COURSEWORK (22 credits)

Public Health Core (15 credits)

- **SPH-B 589** Social and Behavioral Determinants of Health (3 cr.)
- **SPH-E 651** Epidemiology (3 cr.)
- **SPH-P 510** Organization and Administration of Public Health Programs (3 cr.)
- **SPH-Q 501** (Formerly: HPER-T 591) Introduction to Statistics in Public Health (3 cr.)
- **SPH-V 541** (Formerly: HPER-V 512) Environmental Health Science (3 cr.)

Required (7 credits)

- **SPH-E 696** (Formerly: HPER-E 644) Field Experience in Public Health (5 cr.) \( P: \text{GPA of } \geq 3.0 \)
- **SPH-E 698** (Formerly: HPER-E 650) MPH Culminating Experience (2 cr.)

CONCENTRATION COURSEWORK (21 credits)

**EPIDEMIOLOGY**

Required (15 credits)

- **SPH-E 653** (Formerly: HPER-Y 614) Chronic Disease Epidemiology (3 cr.) \( P: \text{SPH-E 651} \)
- **SPH-E 655** (Formerly: HPER-Y 619) Infectious Disease Epidemiology (3 cr.) \( P: \text{SPH-E 651} \)
- **SPH-E 657** (Formerly: HPER-Y 624) Social Epidemiology (3 cr.) \( P: \text{SPH-E 651} \)
- **SPH-E 658** (Formerly: HPER-Y 652) Advanced Epidemiology (3 cr.) \( P: \text{SPH-E 651} \)
- **SPH-E 659** (Formerly: HPER-Y 654) Advanced Epidemiological Methods (3 cr.) \( P: \text{SPH-E 651} \)

Electives (6 credits)

- **XXXX-X XXX** (3 cr.) \( P: \text{Prior permission of advisor} \)
- **XXXX-X XXX** (3 cr.) \( P: \text{Prior permission of advisor} \)
MAJOR COURSEWORK (22 credits)

Public Health Core (15 credits)

____ SPH-B 589 Social and Behavioral Determinants of Health (3 cr.)
____ SPH-E 651 Epidemiology (3 cr.)
____ SPH-P 510 Organization and Administration of Public Health Programs (3 cr.)
____ SPH-Q 501 (Formerly: HPER-T 591) Introduction to Statistics in Public Health (3 cr.)
____ SPH-V 541 (Formerly: HPER-V 512) Environmental Health Science (3 cr.)

Required (7 credits)

____ SPH-F 696 Field Experience in Public Health (5 cr.) P: GPA of ≥ 3.0
____ SPH-F 698 MPH Culminating Experience (2 cr.)

CONCENTRATION COURSEWORK (21 credits)

Family Health Courses

Required (15 credits)

____ SPH-F 510 African American and Latino Families (3 cr.)
____ SPH-F 557 Stress and Resilience in the Family and Community (3 cr.)
____ SPH-F 654 Conceptual Frameworks in HDFS (3 cr.) (fall only)
____ SPH-F 656 Families and Health (3 cr.)
____ Complete one of the following human development courses. (3 cr.)
    SPH-B 615 Health, Longevity and Integrative Therapies in the Later Years
    SPH-F 531 Human Development I: Preconception to Age 6 (fall only)
    SPH-F 532 Human Development II: Ages 6 – 19
    SPH-F 533 Human Development III: Adulthood

* New course/Course change approval pending

Electives (6 credits)

____ XXXX-X XXX (3 cr.) P: Prior permission of advisor
____ XXXX-X XXX (3 cr.) P: Prior permission of advisor

See suggested electives on the next page.
Suggested Family Health Electives:

SPH-B 535 Contemporary Issues in Aging and Health
SPH-B 615 Health, Longevity and Integrative Therapies in the Later Years (if not chosen above)
SPH-B 625 Health Information Systems and Gerotechnologies
SPH-F 531 Human development I (if not chosen above)
SPH-F 532 Human development II (if not chosen above)
SPH-F 533 Human development III (if not chosen above)
SPH-F 541 Effects of Divorce
SPH-F 544 Parent Child Relations
SPH-F 550 TOPIC: Family Health and the Media
SPH-F 560 Grief in the Family Context
SPH-F 692 Research in Human Development and Family Studies
SPH-H 524 Multidisciplinary Perspectives in Gerontology
SPH-H 599 Thesis
SPH-R 588 Leisure and Aging

Family Health Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor</th>
<th>Course Availability</th>
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<tbody>
<tr>
<td>SPH-B 615</td>
<td>Huber</td>
<td>Offered online in fall &amp; summer</td>
</tr>
<tr>
<td>SPH-F 510</td>
<td>Murray</td>
<td>Offered each spring</td>
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<tr>
<td>SPH-F 531</td>
<td>Schmidt</td>
<td>Offered each fall</td>
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<tr>
<td>SPH-F 532</td>
<td>Beckmeyer</td>
<td>Offered each fall</td>
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<tr>
<td>SPH-F 533</td>
<td>Murray</td>
<td>Offered each fall</td>
</tr>
<tr>
<td>SPH-F 557</td>
<td>Gilbert / Murray</td>
<td>Offered each fall</td>
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<tr>
<td>SPH-F 654</td>
<td>Murray</td>
<td>Offered each fall</td>
</tr>
<tr>
<td>SPH-F 656</td>
<td>Beckmeyer</td>
<td>Offered each fall</td>
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Proposed Course Sequence

<table>
<thead>
<tr>
<th>Fall Y1</th>
<th>Spring Y1</th>
<th>Fall Y2</th>
<th>Spring Y2</th>
</tr>
</thead>
<tbody>
<tr>
<td>• F531 or F532 or F533 or B 615 (3cr.)</td>
<td>• F510 African Amer and Latino Families (3cr.)</td>
<td>• F557 Stress and Resilience in the Family Context (3cr.)</td>
<td>• F696 MPH Field Experience in Public Health (5cr.)</td>
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<tr>
<td>• F654 Conceptual Frameworks (3cr.)</td>
<td>• F656 Families and Health (3cr.)</td>
<td>• V541 Environmntl Health Sci (3cr.)</td>
<td>• F698 MPH Culminating Experience (1cr.)</td>
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<tr>
<td>• B589 Soc &amp; Beh Determinants of Health (3cr.)</td>
<td>• P510 Organization and Admin in Public Health (3cr.)</td>
<td>• F698 MPH Culminating Experience (1cr.)</td>
<td>• Elective (3cr.)</td>
</tr>
<tr>
<td>• Q501 Public Health Statistics (3cr.)</td>
<td>• E611 Epidemiology (3cr.)</td>
<td>• Elective (3cr.)</td>
<td>• Elective (3cr.)</td>
</tr>
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</table>

| 12 credits | 12 credits | 13 credits | 6 credits |

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MAJOR COURSEWORK (22 credits)

Public Health Core (15 credits)

- SPH-B 589 Social and Behavioral Determinants of Health (3cr.)
- SPH-E 651 Epidemiology (3 cr.)
- SPH-P 510 Organization and Administration of Public Health Programs (3 cr.)
- SPH-Q 501 (Formerly: HPER-T 591) Introduction to Statistics in Public Health (3 cr.)
- SPH-V 541 (Formerly: HPER-V 512) Environmental Health Science (3 cr.)

Required (7 credits)

- SPH-K 696 Field Experience in Public Health (5 cr.) P: GPA of ≥ 3.0
- SPH-K 698 MPH Culminating Experience (2 cr.)

CONCENTRATION COURSEWORK (21 credits)

Physical Activity Courses

Required (15 credits)

- SPH-B-602 Intervention Design in Public Health (3 cr.)
- SPH-K 524 Exercise and Physical Activity for People with Disabilities (3 cr.)
- SPH-K 553 Physical Activity & Health (3 cr.)
- SPH-K 554 Seminar in Physical Activity and Wellness (3 cr.)
- SPH-K 556 Physical Activity Assessment in Public Health (3 cr.)

Electives (6 credits)

- XXXX-X XXX (3 cr.) P: Prior permission of advisor
- XXXX-X XXX (3 cr.) P: Prior permission of advisor
MAJOR COURSEWORK (25 credits)

Public Health Core (15 credits)

- SPH-B 589 Social and Behavioral Determinants of Health (3cr.)
- SPH-E 651 Epidemiology (3 cr.)
- SPH-P 510 Organization and Administration of Public Health Programs (3 cr.)
- SPH-Q 501 (Formerly: HPER-T 591) Introduction to Statistics in Public Health (3 cr.)
- SPH-V 541 (Formerly: HPER-V 512) Environmental Health Science (3 cr.)

Required (10 credits)

- SPH-H 696 Field Experience in Public Health (5 cr.) P: GPA of ≥ 3.0
- SPH-H 698 MPH Culminating Experience (2 cr.)
- SPH-X 590 Introduction to Research in Health, Kinesiology & Recreation (3 cr.)
  or SPH-X 580 Introduction to Qualitative Inquiry in Public Health Research (3 cr.)

CONCENTRATION COURSEWORK (18 credits)

PROFESSIONAL HEALTH EDUCATION

Required (12 credits)

- SPH-H 500 Philosophy & Principles of Health Education (3 cr.)
- SPH-H 552 Instructional Planning for Public Health Settings (3 cr.)
- SPH-H 610 Professional Applications in Health Education (3 cr.) (P: SPH-H 552)
- SPH-H 682 Research in Health Education (3 cr.)

Electives (6 credits)

- XXXX-X XXX (3 cr.) P: Prior permission of advisor
- XXXX-X XXX (3 cr.) P: Prior permission of advisor
MAJOR COURSEWORK (22 credits)

Public Health Core (15 credits)

- SPH-B 589 Social and Behavioral Determinants of Health (3cr.)
- SPH-E 651 Epidemiology (3 cr.)
- SPH-P 510 Organization and Administration of Public Health Programs (3 cr.)
- SPH-Q 501 (Formerly: HPER-T 591) Introduction to Statistics in Public Health (3 cr.)
- SPH-V 541 (Formerly: HPER-V 512) Environmental Health Science (3 cr.)

Required (7 credits)

- SPH-P 696 (Formerly: HPER-P 644) Field Experience in Public Health (5 cr.) P: GPA of ≥ 3.0
- SPH-P 698 (Formerly: HPER-P 650) MPH Culminating Experience (2 cr.)

CONCENTRATION COURSEWORK (21 credits)

PUBLIC HEALTH ADMINISTRATION

Required (12 credits)

- SPH-H 562 (Formerly: HPER-H 594) Health Program Evaluation (3 cr.)
- SPH-H 661 (Formerly: HPER-H 625) Legal Issues in Health Promotion (3 cr.)
  --or-- SPH-R 544 Legal Aspects of Recreation Administration (3 cr.)
- SPH-H 662 (Formerly: HPER-H 695) Acquiring and Managing External Funds for Health and Human Services (3 cr.)
- SPH-X 561 (Formerly: HPER-T 594) MPH Finance and Budgeting (3 cr.)

Electives (9 credits)

- XXXX-X XXX (3 cr.) P: Prior permission of advisor