Kinesiology and Public Health Education (KPHE)

http://education.und.edu/kphe

Pearson (Chair), Fitzgerald, Rhoades, Sabato, Short, S. Short, G. Tomkinson, Walsh, and Whitehead

Recognizing that the health and wellness of the population depends largely on the lifestyles of its citizens, the Department of Kinesiology and Public Health Education (KPHE) strives to play a key role in educating about and promoting lifestyle behaviors (e.g., physical activity and sport) and environmental factors (e.g., advocacy) that facilitate comprehensive health and wellness, and in minimizing modifiable risk behaviors and factors (e.g., tobacco use, alcohol abuse) that may adversely impact health and wellness. With a vision of improving health and wellness across the lifespan, locally and afar, the department goals include

- Preparing future leaders for careers in the health professions, including educational, laboratory, clinical, community, and exercise and sport settings;
- Providing educational opportunities to the University of North Dakota community to learn and apply both knowledge and decision-making skills which relate to healthy lifestyles;
- Engaging in and sharing, through collaborative scholarship, the discovery of new knowledge and applied methods that enable individuals and communities to live healthier lives; and
- Offering expertise and service to both the local and broader community and profession.

Graduates have the opportunity to pursue careers in physical education teaching, public health education, fitness and wellness education, leadership and management, athletic coaching, or to continue their education in graduate or professional studies (See Kinesiology, Master’s Program).

Basic Instruction Program Courses (BIP). The Department of Kinesiology and Public Health Education also provides beginner, intermediate and advanced instruction for all students of the University in a wide variety of activities, such as aquatics, individual sports and activities (including combative sports, dance, fitness and conditioning, gymnastics, outdoor pursuits, racquet sports, strength training, and target sports) and team sports. Credits obtained from participation in these activity courses may count toward the credits required for graduation. These credits may be earned by enrolling in the various activities offered under the KIN 100-118 (beginner), 120-138 (intermediate), and 140-158 (advanced) course numbers. Specific course offerings are listed in the current schedule of courses. Students are generally required to bring their own equipment, although in some cases, equipment is provided by the department. Each BIP course has a $60 fee to help pay for the cost of equipment, instruction and administrative costs. There may also be fees assessed for some activities that require facility rental.

Undergraduate programs offered by the Department of Kinesiology and Public Health Education in the College of Education and Human Development are:

A. Major in Kinesiology: consists of a common core of courses with one option: teacher education (Option A), which leads to a certification to teach physical education in grades K-12; related area (Option B), which allows a student to study kinesiology and a related subdiscipline; kinesiology applications area (Option C) for those students who wish to find employment in wellness/fitness fields or pursue graduate or professional studies; and allied health (Option D) for those students wishing to pursue pre-allied health fields of professional study.

B. Major in Public Health Education: will expose students to the five core public health areas, including epidemiology, biostatistics, social and behavioral science, health policy and management, and environmental health. Graduates of the Public Health Education program will be prepared to work in a variety of settings, including local or state health departments, health services administration, corporate and worksite wellness programs, scientific research, general medical and surgical hospitals, parks and recreation, non-profit organizations and many others.

C. Minor in Athletic Coaching: offered to students who wish to prepare for athletic coaching.

D. Minor in Health Education: provides partial preparation for school health teaching.

Important: To declare as a KIN major, a student must have successfully completed a criminal background check. In order to take the following courses* students must have major status and a satisfactory background check; however, non-majors may take these classes with department consent and a satisfactory background check:

KIN 355 Applied Motor Development* 3
KIN 400 Methods and Materials for Teaching Physical Education Elementary School* 4
& 400L and Methods for Teaching Physical Education in the Elementary School-Laboratory* 3
KIN 404 Adapted Physical Activity* 3
KIN 410 Methods and Materials for Teaching Physical and Health Education in the Secondary School & 410L and Methods for Teaching Physical & Health Education in the Secondary School-Laboratory* 4
KIN 491 Senior Capstone* 3
KIN 495 Service Learning in KIN* 2
KIN 496 Field Study in KIN 1-8
KIN 497 Internship in KIN 10
KIN 498 Practicum in Coaching* 2
T&L 487 Student Teaching (Option A students only)* 4-16

* Courses which may involve contact with P-12 students or vulnerable populations.

B.S. Public Health Education (B.S.P.H.E.) (p. )

B.S. Kinesiology (B.S.KIN.)

Required 125 credits (36 of which must be numbered 300 or above, and 60 of which must be from a 4-year institution) including:

I. Essential Studies Requirements (see University ES listing).

II. The College of Education and Human Development Requirements (see College (http://und-public.courseleaf.com/educationandhumandevelopment) listing).

III. Prerequisite courses and requirements, 19 credits, including: (**courses may be used to satisfy the Essential Studies requirements).

1. Criminal Background Check
2. Coursework:
3. CHEM 115 & 115L Introductory Chemistry and Introductory Chemistry Laboratory** 4
& 115L and Introductory Chemistry Laboratory** 3
PSYC 111 Introduction to Psychology** 3
SOC 110 Introduction to Sociology** 3
ANAT 204 Anatomy for Paramedical Personnel & 204L and Anatomy for Paramedical Personnel Laboratory 5
PPT 301 Human Physiology 4

Total Credits 19

As soon as these prerequisite courses and requirements have been completed, KIN pre-majors should see the KIN undergraduate advisor to apply for KIN major status.

IV. KIN core requirements, 32 credits including:
KIN 207 Prevention and Care of Physical Activity Injuries 3
NUTR 240 3
KIN 276 & 276L Motor Learning and Motor Learning Lab 3
KIN 326 Fundamentals of Physical Conditioning 3
KIN 332 Biomechanics 4
& 332L and Biomechanics Laboratory
KIN 355 Applied Motor Development 3
KIN 401 Sport Sociology 3
KIN 402 Exercise Physiology 4
& 402L and Exercise Physiology Laboratory
KIN 404 Adapted Physical Activity 3
KIN 440 Sport Psychology 3

Total Credits 32

V. One of the following options:

A. Teacher Education/Certification (134 credits)

Students seeking certification to teach physical education must be admitted to the Teacher Education program which requires a minimum of 2.75 GPA, adequate test scores, and at least 30 credits before applying for admission to Teacher Education. Students must also complete the KIN core requirements (listed above) plus additional courses specific to the preparation for teaching in physical education, including the following courses:

T&L 250 Introduction to Education 3
T&L 252 Child Development 3
T&L 339 Technology for Teachers 2
KIN 220-238 9
KIN 290 Physical Education Activities for the Elementary Grades 3
KIN 327 Fitness for Life 3
KIN 390 Introduction to Teaching in Physical Education and Coaching 2
KIN 390L Introduction to Teaching in Physical Education and Coaching Laboratory 2
KIN 400 Methods and Materials for Teaching Physical Education Elementary School 2
KIN 400L Methods and Materials for Teaching Physical Education in the Elementary School -Laboratory 1
KIN 403 School Health Education 2
KIN 410 Methods and Materials for Teaching Physical and Health Education in the Secondary School 2
KIN 410L Methods and Materials for Teaching Physical & Health Education in the Secondary School-Laboratory 2
KIN 420 Curriculum Development for Physical and Health Education 3
T&L 433 Multicultural Education 3
KIN 491 Senior Capstone 3

Additional requirements for the teacher education/certification option include:

1. Admission to the Teacher Education program (see details under the College of Education and Human Development (http://und-public.coursesleaf.com/educationandhumandevelopment) or on the Teacher Education website.) Note that many upper division courses are not open to students until they gain TE admission.
2. Student teaching at two levels: elementary and secondary (8 credits each, totaling 16 credits). Student teachers are also required to take KIN 491 Senior Capstone, during their student teaching semester.

B. Related Areas

KIN core requirements, plus the following:

1. Students will complete another major and/or minor in a subject area related to kinesiology.
2. KIN 220-238: Movement Performance and Analysis, 3 credits total (1 aquatic, 1 individual sport/activity, and 1 team sport).
3. The remaining credits to satisfy the University minimum Graduation Requirements of 125 credits will be chosen from elective courses with the consent of the advisor.

C. Kinesiology Applications Area

1. KIN core requirements, plus the following (for an additional minimum of 24 credits)
2. Required courses (16 credits) include:
3. KIN 220-238 (1 aquatic, 1 individual sport/activity & 1 team sport) 3
   KIN 446 Exercise Testing and Prescription 3
   KIN 497 Internship in KIN 10
4. Electives (a minimum of 8 credits from the following):
5. KIN 240 Introduction to Wellness 2
   KIN 327 Fitness for Life 3
   KIN 375 Fundamentals of Group Exercise Instruction 3
   KIN 376 Professional Skills in Personal Training 3
   KIN 434 Strength Training: Coaching Methods 2

D. Allied Health

1. KIN core requirements, plus the following:
2. KIN 220-238: Movement Performance and Analysis, 3 credits total (1 aquatic, 1 individual sport/activity and 1 team sport)
3. A pre-professional program in pre-med, pre-physical therapy, pre-occupational therapy, pre-chiropractic, pre-physician assistant or other approved pre-allied health science fields.

B.S. Public Health Education (B.S.P.H.E.)

Required 125 credits (36 credits numbered 300 or above and 60 of which must be from a 4-year institution) including:

I. Essential Studies Requirements, 39 credits. The program includes the 39 credits that all students are required to complete in order to meet Essential Studies requirements (see University ES listing).

II. Prerequisite Courses, 9 credits, including:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANAT 204</td>
<td>Anatomy for Paramedical Personnel</td>
<td>5</td>
</tr>
<tr>
<td>&amp; 204L</td>
<td>and Anatomy for Paramedical Personnel Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>PPT 301</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits 9

One of the following pairs of courses is required as a prerequisite for PPT 301 Human Physiology:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 150</td>
<td>General Biology I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 150L</td>
<td>and General Biology I Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 116</td>
<td>Introduction to Organic and Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 116L</td>
<td>and Introduction to Organic and Biochemistry Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 121</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 121L</td>
<td>and General Chemistry I Laboratory</td>
<td></td>
</tr>
</tbody>
</table>

One of these courses may also be used to meet the ES Breadth of Knowledge requirement for Math, Science, and Technology.

III. Health-Related Core Requirements, 18 credits, including:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE 101</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PHE 102</td>
<td>Epidemiology in Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PHE 103</td>
<td>Introduction to Global Health</td>
<td>3</td>
</tr>
<tr>
<td>KIN 110</td>
<td>First Aid and CPR</td>
<td>1</td>
</tr>
<tr>
<td>KIN 240</td>
<td>Introduction to Wellness</td>
<td>2</td>
</tr>
<tr>
<td>NUTR 240</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>KIN 327</td>
<td>Fitness for Life</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 18

IV. One of the following options:

A. Public Health Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE 301</td>
<td>Principles and Foundation of Health Education</td>
<td>3</td>
</tr>
</tbody>
</table>
B. School Health Education:

Students seeking certification to teach health education must be admitted to the Teacher Education program which requires a minimum of 2.75 GPA, adequate test scores, and at least 30 credits before applying for admission to Teacher Education. Students must also complete the PHE prerequisites and core requirements (listed above) plus additional courses specific to the preparation for teaching in health education, including the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE 302</td>
<td>Community Health</td>
<td>3</td>
</tr>
<tr>
<td>PHE 303</td>
<td>Organization and Administration of Community Health Programs</td>
<td>3</td>
</tr>
<tr>
<td>PHE 304</td>
<td>Health Program Planning and Implementation</td>
<td>3</td>
</tr>
<tr>
<td>PHE 305</td>
<td>Program Evaluation and Research Design</td>
<td>3</td>
</tr>
<tr>
<td>PHE 306</td>
<td>Epidemiology and Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>PHE 307</td>
<td>Methods and Materials of Health Education</td>
<td>3</td>
</tr>
<tr>
<td>PHE 415</td>
<td>Public Health Internship</td>
<td>15</td>
</tr>
</tbody>
</table>

Total Credits: 36

VI. Additional Requirement: All PHE Students are required to take KIN 491 Senior Capstone prior to graduation.

With the exception of PSYC courses (which require PSYC 111 Introduction to Psychology as a prerequisite) and ANTH 465 Culture, Illness and Health (which require ANTH 171 Introduction to Cultural Anthropology as a prerequisite) none of the above-noted electives requires a prerequisite.

VI. Additional Requirement: All PHE Students are required to take KIN 491 Senior Capstone prior to graduation.

**Minor in Athletic Coaching**

Required 27 credits, including:

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 241</td>
<td>Introduction to Coaching</td>
<td>1</td>
</tr>
<tr>
<td>KIN 207</td>
<td>Prevention and Care of Physical Activity Injuries</td>
<td>3</td>
</tr>
<tr>
<td>KIN 220-238</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>KIN 390</td>
<td>Introduction to Teaching in Physical Education and Coaching</td>
<td>2</td>
</tr>
<tr>
<td>KIN 390L</td>
<td>Introduction to Teaching in Physical Education and Coaching Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>KIN 325</td>
<td>Youth and Children in Sport</td>
<td>3</td>
</tr>
<tr>
<td>KIN 326</td>
<td>Fundamentals of Physical Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>KIN 341</td>
<td>Organization and Administration of Athletics</td>
<td>2</td>
</tr>
<tr>
<td>KIN 420-438</td>
<td>(3 courses that are 2 credits each to coincide with specific KIN 220-238 courses)</td>
<td>6</td>
</tr>
<tr>
<td>KIN 498</td>
<td>Practicum in Coaching</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Credits: 27

Students interested in a Minor in Athletic Coaching should consult with an advisor in Kinesiology and Public Health Education before beginning the Minor. Doing so is necessary to ensure that courses are appropriately tracked toward the practicum.

**Minor in Health Education**

Required 15 credits, including:

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHE 101</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PHE 102</td>
<td>Epidemiology in Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PHE 103</td>
<td>Introduction to Global Health</td>
<td>3</td>
</tr>
<tr>
<td>PHE 301</td>
<td>Principles and Foundation of Health Education</td>
<td>3</td>
</tr>
<tr>
<td>PHE 304</td>
<td>Health Program Planning and Implementation</td>
<td>3</td>
</tr>
</tbody>
</table>

6 credits from the following group:

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE 302</td>
<td>Community Health</td>
<td>3</td>
</tr>
<tr>
<td>PHE 303</td>
<td>Organization and Administration of Community Health Programs</td>
<td>3</td>
</tr>
<tr>
<td>PHE 305</td>
<td>Program Evaluation and Research Design</td>
<td>3</td>
</tr>
<tr>
<td>PHE 307</td>
<td>Methods and Materials of Health Education</td>
<td>3</td>
</tr>
<tr>
<td>KIN 207</td>
<td>Prevention and Care of Physical Activity Injuries</td>
<td>3</td>
</tr>
<tr>
<td>KIN 327</td>
<td>Fitness for Life</td>
<td>3</td>
</tr>
<tr>
<td>KIN 403</td>
<td>School Health Education</td>
<td>2</td>
</tr>
<tr>
<td>NUTR 240</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>N&amp;D 341</td>
<td>Community Nutrition I</td>
<td>3</td>
</tr>
<tr>
<td>SOC 352</td>
<td>Aging and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOC 355</td>
<td>Drugs and Society</td>
<td>3</td>
</tr>
<tr>
<td>SWK 315</td>
<td>Substance Use and Abuse</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 171</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>
Special topics and other courses may be substituted only with Kinesiology and Public Health Education advisor approval.

Students interested in a Minor in Health Education should consult with an advisor in Kinesiology and Public Health Education before beginning the Minor.

**KIN Courses**

**KIN 104. Aquatics I. 1 Credit.**
These courses are designed for beginners. They include instruction in various aquatics-related activities (e.g., swimming, diving, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 105. Combative Sports I. 1 Credit.**
These courses are designed for beginners. They include instruction in various combative sports (e.g., boxing, kickboxing, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 107. Dance I. 1 Credit.**
These courses are designed for beginners. They include instruction in various dance types (e.g., ballroom, hip-hop, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 108. Fitness and Conditioning I. 1 Credit.**
These courses are designed for beginners. They include instruction in various fitness and conditioning activities (e.g., aerobic exercise, pilates, yoga, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 110. First Aid and CPR. 1 Credit.**
Recommended First Aid and CPR practices for the care of persons who have been injured or suddenly become ill. F,SS.

**KIN 111. Individual Sports/Activities I. 1 Credit.**
These courses are designed for beginners. They include instruction in various individual sports and activities (e.g., golf, ice skating, track and field events, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 112. Out door Pursuits I. 1 Credit.**
These courses are designed for beginners. They include instruction in various outdoor pursuit activities (e.g., camping, cycling, cross-country skiing, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 113. Racquet Sports I. 1 Credit.**
These courses are designed for beginners. They include instruction in various racquet sports (e.g., badminton, racquetball, tennis, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 114. Strength Training I. 1 Credit.**
These courses are designed for beginners. They include instruction in various types of strength training (e.g., body building, power lifting, weight training, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 115. Target Sports I. 1 Credit.**
These courses are designed for beginners. They include instruction in various target sports (e.g., trapshooting, skeet, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 116. Team Sports I. 1 Credit.**
These courses are designed for beginners. They include instruction in various team sports (e.g., baseball, basketball, football, ice hockey, soccer, volleyball, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 117. Gymnastics I. 1 Credit.**
These courses are designed for beginners. They include instruction in various types of gymnastics (e.g., artistic, trampolining, tumbling, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 118. Military Conditioning I. 1 Credit.**
This course is designed for beginners. It includes instruction in military conditioning. On demand.

**KIN 118A. Air Force Conditioning I. 1 Credit.**
This course is designed for beginners. It offers a focus on the components of physical fitness: cardiorespiratory endurance, muscular strength, muscular endurance, flexibility, and body composition. A key objective is for each student to achieve a minimum score of 180 points total, in four events of the Air Force Personal Fitness Assessment (AFPFA): push-ups, sit-ups, a 1.5 mile run, and chest measurement. F.

**KIN 118B. Army Conditioning I. 1 Credit.**
This course is designed for beginners, emphasizing on the Army components of physical fitness: cardiorespiratory endurance, muscular strength, muscular endurance, flexibility, and body composition. A key objective is for each student to achieve a minimum score of 180 points total, in three events of the Army Personal Fitness Test (APFT): push-ups, sit-ups, and a two-mile run. F.

**KIN 124. Aquatics II. 1 Credit.**
Prerequisite: KIN 104 in the same activity or consent of the instructor. These courses provide intermediate level instruction in various aquatics-related activities (e.g., swimming, diving, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 125. Combative Sports II. 1 Credit.**
Prerequisite: KIN 105 in the same activity or consent of the instructor. These courses provide intermediate level instruction in various combative sports (e.g., boxing, kickboxing, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 127. Dance II. 1 Credit.**
Prerequisite: KIN 107 in the same activity or consent of the instructor. These courses provide intermediate level instruction in various dance types (e.g., ballroom, hip-hop, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 128. Fitness and Conditioning II. 1 Credit.**
Prerequisite: KIN 108 in the same activity or consent of the instructor. These courses provide intermediate level instruction in various fitness and conditioning activities (e.g., aerobic exercise, pilates, yoga, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 131. Individual Sports/Activities II. 1 Credit.**
Prerequisite: KIN 111 in the same activity or consent of the instructor. These courses provide intermediate level instruction in various individual sports and activities (e.g., golf, ice skating, track and field events, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 132. Outdoor Pursuits II. 1 Credit.**
Prerequisite: KIN 112 in the same activity or consent of the instructor. These courses provide intermediate level instruction in various outdoor pursuit activities (e.g., camping, cycling, cross-country skiing, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 133. Racquet Sports II. 1 Credit.**
Prerequisite: KIN 113 in the same activity or consent of the instructor. These courses provide intermediate level instruction in various racquet sports (e.g., badminton, racquetball, tennis, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 134. Strength Training II. 1 Credit.**
Prerequisite: KIN 114 in the same activity or consent of the instructor. These courses provide intermediate level instruction in various types of strength training (e.g., body building, power lifting, weight training, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 135. Target Sports II. 1 Credit.**
Prerequisite: KIN 115 in the same activity or consent of the instructor. These courses provide intermediate level instruction in various target sports (e.g., trapshooting, skeet, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 136. Team Sports II. 1 Credit.**
Prerequisite: KIN 116 in the same activity or consent of the instructor. These courses provide intermediate level instruction in various team sports (e.g., baseball, basketball, football, ice hockey, soccer, volleyball, etc.). For specific course content, see the current schedule of classes. F,SS.

**KIN 137. Gymnastics II. 1 Credit.**
Prerequisite: KIN 117 in the same activity or consent of the instructor. These courses provide intermediate level instruction in various types of gymnastics (e.g., artistic, trampolining, tumbling, etc.). For specific course content, see the current schedule of classes. F,SS.
KIN 138. Military Conditioning II. 1 Credit.
This course provides intermediate level instruction in military conditioning. Prerequisite: The course is for AFROTC enrolled students only. F.S.

KIN 138A. Air Force Conditioning II. 1 Credit.
This course is designed for intermediate level instruction, emphasizing on the Air Force components of physical fitness; cardiorespiratory endurance, muscular strength, muscular endurance, flexibility and body composition. A key objective is for each student achieve a minimum score of 180 points total, in four events of the Air Force Personal Fitness Assessment (APFPA): push-ups, sit-ups, a 1.5 mile run and waist measurement. S.

KIN 138B. Army Conditioning II. 1 Credit.
This course is designed for intermediate level instruction, emphasizing on the Army components of physical fitness; cardiorespiratory endurance, muscular strength, muscular endurance, flexibility and body composition. A key objective is for each student to achieve a minimum score of 180 points total, in three events of the Army Personal Fitness Test (APFT): push-ups, sit-ups and a two mile run. S.

KIN 144. Aquatics III. 1 Credit.
Prerequisite: KIN 124 in the same activity or consent of the instructor. These courses provide advanced level instruction in various aquatics-related activities (e.g., swimming, diving, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 145. Combative Sports III. 1 Credit.
Prerequisite: KIN 125 in the same activity or consent of the instructor. These courses provide advanced level instruction in various combative sports (e.g., boxing, kickboxing, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 147. Dance III. 1 Credit.
Prerequisite: KIN 127 in the same activity or consent of the instructor. These courses provide advanced level instruction in various dance types (e.g., ballroom, hip-hop, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 148. Fitness and Conditioning III. 1 Credit.
Prerequisite: KIN 128 in the same activity or consent of the instructor. These courses provide advanced level instruction in various fitness and conditioning activities (e.g., aerobic exercise, pilates, yoga, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 151. Individual Sports/Activities III. 1 Credit.
Prerequisite: KIN 131 in the same activity or consent of the instructor. These courses provide advanced level instruction in various individual sports and activities (e.g., golf, ice skating, track and field events, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 152. Outdoor Pursuits III. 1 Credit.
Prerequisite: KIN 132 in the same activity or consent of the instructor. These courses provide advanced level instruction in various outdoor pursuits activities (e.g., camping, cycling, cross-country skiing, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 153. Racquet Sports III. 1 Credit.
Prerequisite: KIN 133 in the same activity or consent of the instructor. These courses provide advanced level instruction in various racquet sports (e.g., badminton, racquetball, tennis, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 154. Strength Training III. 1 Credit.
Prerequisite: KIN 134 in the same activity or consent of the instructor. These courses provide advanced level instruction in various types of strength training (e.g., body building, power lifting, weight training, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 155. Target Sports III. 1 Credit.
Prerequisite: KIN 135 in the same activity or consent of the instructor. These courses provide advanced level instruction in various target sports (e.g., trapshooting, skeet, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 156. Team Sports III. 1 Credit.
Prerequisite: KIN 136 in the same activity or consent of the instructor. These courses provide intermediate level instruction in various team sports (e.g., baseball, basketball, football, ice hockey, soccer, volleyball, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 157. Gymnastics III. 1 Credit.
Prerequisite: KIN 137 in the same activity or consent of the instructor. These courses provide advanced level instruction in various types of gymnastics (e.g., artistic, trampoline, tumbling, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 158. Military Conditioning III. 1 Credit.
This course provides advanced level instruction in military conditioning. Prerequisite: KIN 138 or consent of instructor. On demand.

KIN 158A. Air Force Conditioning III. 1 Credit.
This course is designed for advanced level instruction, emphasizing on the Air Force components of physical fitness; cardiorespiratory endurance, muscular strength, muscular endurance, flexibility and body composition. A key objective is for each student achieve a minimum score of 180 points total, in four events of the Air Force Personal Fitness Assessment (APFPA): push-ups, sit-ups, a 1.5 mile run and waist measurement. S.

KIN 158B. Army Conditioning III. 1 Credit.
This course is designed for advanced level instruction, emphasizing on the Army components of physical fitness; cardiorespiratory endurance, muscular strength, muscular endurance, flexibility and body composition. A key objective is for each student to achieve a minimum score of 180 points total, in three events of the Army Personal Fitness Test (APFT): push-ups, sit-ups and a two mile run. On demand.

KIN 207. Prevention and Care of Physical Activity Injuries. 3 Credits.
A study of the prevention and care of injuries incurred by individuals in physical activity settings across the lifespan. Includes recommended first aid and CPR practices for the care of persons who have been injured. Prerequisite: KIN Majors Athletic Coaching Minors only. F.S.

KIN 207L. Prevention And Care Of Injuries Lab. 1 Credit.
Corequisite: KIN 207.

Course may be repeated as long as content varies, to a maximum of 12 credits for the KIN 220-239 series. Prerequisite: matching KIN 104, 124, 144, or performance equivalent in same area. These courses focus on the development of performance, performance analysis and knowledge in various aquatic-related activities (e.g., swimming, diving, etc.). These are professional preparation courses for KIN majors. For specific course content, see the current schedule of classes. F,S,SS.

Course may be repeated as long as content varies, to a maximum of 12 credits for the KIN 220-239 series. Prerequisite: matching KIN 105, 125, 145, or performance equivalent in same area. These courses focus on the development of performance, performance analysis and knowledge in various combative sports (e.g., boxing, kickboxing, etc.). These are professional preparation courses for KIN majors. For specific course content, see the current schedule of classes. F,S,SS.

KIN 227. Dance: Movement Performance and Analysis (MP&A). 1 Credit.
Course may be repeated as long as content varies, to a maximum of 12 credits for the KIN 220-239 series. Prerequisite: matching KIN 107, 127, 147, or performance equivalent in same area. These courses focus on the development of performance, performance analysis and knowledge in various dance types (e.g., ballet, hip-hop, etc.). These are professional preparation courses for KIN majors. For specific course content, see the current schedule of classes. F,S,SS.

KIN 228. Fitness & Conditioning: Movement Performance and Analysis (MP&A). 1 Credit.
Course may be repeated as long as content varies, to a maximum of 12 credits for the KIN 220-239 series. Prerequisite: matching KIN 108, 128, 148, or performance equivalent in same area. These courses focus on the development of performance, performance analysis and knowledge in various fitness and conditioning activities (e.g., aerobic exercise, pilates, yoga, etc.). These are professional preparation courses for KIN majors. For specific course content, see the current schedule of classes. F,S,SS.
KIN 231. Individual Sports/Activities: Movement Performance and Analysis (MP&A). 1 Credit.
Course may be repeated as long as content varies, to a maximum of 12 credits for the KIN 220-239 series. Prerequisite: matching KIN 111, 131, 151, or performance equivalent in same are. These courses focus on the development of performance, performance analysis and knowledge in various individual sports and activities (e.g., golf, ice skating, track and field events, etc.). These are professional preparation courses for KIN majors. For specific course content, see the current schedule of classes. F,S,SS.

Course may be repeated as long as content varies, to a maximum of 12 credits for the KIN 220-239 series. Prerequisite: matching KIN 112, 132, 152, or performance equivalent in same are. These courses focus on the development of performance, performance analysis and knowledge in various outdoor pursuit activities (e.g., camping, cycling, cross-country skiing, etc.). These are professional preparation courses for KIN majors. For specific course content, see the current schedule of classes. F,S,SS.

Course may be repeated as long as content varies, to a maximum of 12 credits for the KIN 220-239 series. Prerequisite: matching KIN 113, 133, 153, or performance equivalent in same are. These courses focus on the development of performance, performance analysis and knowledge in various racquet sports (e.g., badminton, racquetball, tennis, etc.). These are professional preparation courses for KIN majors. For specific course content, see the current schedule of classes. F,S,SS.

KIN 234. Strength Training: Movement Performance and Analysis (MP&A). 1 Credit.
Course may be repeated as long as content varies, to a maximum of 12 credits for the KIN 220-239 series. Prerequisite: matching KIN 114, 134, 154, or performance equivalent in same are. These courses focus on the development of performance, performance analysis and knowledge in various types of strength training (e.g., body building, power lifting, weight training, etc.). These are professional preparation courses for KIN majors. For specific course content, see the current schedule of classes. F,S,SS.

KIN 235. Target Sports: Movement Performance and Analysis (MP&A). 1 Credit.
Course may be repeated as long as content varies, to a maximum of 12 credits for the KIN 220-239 series. Prerequisite: matching KIN 115, 135, 155, or performance equivalent in same are. These courses focus on the development of performance, performance analysis and knowledge in various target sports (e.g., trapshooting, skeet, etc.). These are professional preparation courses for KIN majors. For specific course content, see the current schedule of classes. F,S,SS.

KIN 236. Team Sports: Movement Performance and Analysis (MP&A). 1 Credit.
Course may be repeated as long as content varies, to a maximum of 12 credits for the KIN 220-239 series. Prerequisite: matching KIN 116, 136, 156, or performance equivalent in same are. These courses focus on the development of performance, performance analysis and knowledge in various team sports (e.g., baseball, basketball, football, ice hockey, soccer, volleyball, etc.). These are professional preparation courses for KIN majors. For specific course content, see the current schedule of classes. F,S,SS.

KIN 237. Gymnastics: Movement Performance and Analysis (MP&A). 1 Credit.
Course may be repeated as long as content varies, to a maximum of 12 credits for the KIN 220-239 series. Prerequisite: matching KIN 117, 137, 157, or performance equivalent in same are. These courses focus on the development of performance, performance analysis and knowledge in various types of gymnastics (e.g., artistic, trampolining, tumbling, etc.). These are professional preparation courses for KIN majors. For specific course content, see the current schedule of classes. F,S,SS.

KIN 240. Introduction to Wellness. 2 Credits.
Designed to encourage personal awareness and responsibility for the maintenance of health and well-being. This course will study the multi-dimensional nature of wellness and the pivotal role that each dimension plays in personal self-fulfillment. F,S.

KIN 241. Introduction to Coaching. 1 Credit.
An introduction and overview of relevant philosophy, sport psychology, sport pedagogy, sport physiology, sport medicine and sport management issues confronting coaches. Coaching is presented with emphasis on effective instructional techniques and coaching principles based upon scientific knowledge. F,S.

KIN 242. Introduction to Kinesiology. 2 Credits.
An introduction and overview of are as in Kinesiology. Includes information on the required preparation and training for careers in this area. On demand.

KIN 276. Motor Learning. 2 Credits.
Consideration of various factors which may affect learning and performance in human movement activities. Prerequisite: KIN majors only or consent of instructor. Corequisite: KIN 276L. S.

KIN 276L. Motor Learning Lab. 1 Credit.
Demonstration of various factors which may affect learning and performance in human movement activities. Prerequisite: KIN major only or consent of the instructor. Corequisite: KIN 276. S.

KIN 290. Physical Education Activities for the Elementary Grades. 3 Credits.
Study of physical activities in modern physical education programs for grades K-6. Emphasis on skill themes and developmentally appropriate activities. F.

KIN 299. Special Topics in Kinesiology. 1-4 Credits.
Specialized topics related to Kinesiology. Repeatable to 9 credits. Repeatable to 9 credits. On demand.

KIN 305. Health/Physical Education for Early Childhood and Elementary Education Teachers. 3 Credits.
This course provides background information and skills for the early childhood and elementary teacher to implement coordinated health education in the elementary grades and how to provide support and effective instruction in elementary physical education. Prerequisite: Admission to the Teacher Education program. F,S,SS.

KIN 309. Water Safety Instruction. 2 Credits.
Scientific movement principles, theories and techniques as they apply to the teaching and conduct of aquatic activities. Laboratory teaching assignments. Prerequisite: Current Senior Lifesaving Certificate. On demand.

KIN 325. Youth and Children in Sport. 3 Credits.
Analysis of research findings in physical education, exercise science and wellness with applications to coaching children and youth in sport. F.

KIN 326. Fundamentals of Physical Conditioning. 3 Credits.
A study of the basic knowledge, principles, and methods of physical conditioning for health, fitness and wellness benefits, and for athletic performance improvement. Prerequisite: KIN Majors only or consent of instructor. F,S.

KIN 327. Fitness for Life. 3 Credits.
A classroom course focusing on advanced concepts of lifetime fitness and wellness from a consumer perspective. Emphasis is on the development of personal programs for fitness and wellness. F,S.

KIN 332. Biomechanics. 3 Credits.
The study of human movement with special emphasis on those movements related to sport and physical activity. Prerequisites: KIN or Athletic Training majors only, or consent of instructor; ANAT 204, ANAT 204L. Corequisite: KIN 332L. F.

KIN 332L. Biomechanics Laboratory. 1 Credit.
The demonstration of biomechanical principles related to movement in sport and physical activity. Prerequisites: KIN or Athletic Training majors only, or consent of instructor; ANAT 204 and 204L. Corequisite: KIN 332L. F.

KIN 341. Organization and Administration of Athletics. 2 Credits.
Principles and practices for management of the interscholastic athletic program. Prerequisite: Athletic Coaching minors only. S.

KIN 355. Applied Motor Development. 3 Credits.
Changes in motor performance which occur with age; physical and mental development as they relate to these changes. Prerequisite: KIN Majors only or consent of instructor. S.

KIN 375. Fundamentals of Group Exercise Instruction. 3 Credits.
Fundamental knowledge and practical skills needed to lead a group exercise class. Prerequisite: KIN 326. On demand.
KIN 376. Professional Skills in Personal Training. 3 Credits.
The fundamental knowledge and skills necessary to provide personal training for individuals and/or small groups. Prerequisite: KIN 326. On demand.

KIN 390. Introduction to Teaching in Physical Education and Coaching. 2 Credits.
Strategy for classroom management, planning, instruction, and assessment of teacher and student behavior. Special emphasis on systematic development of a variety of teaching skills through practice and feedback in individual and small group situations. Prerequisites: KIN 220-239 series requirements. Corequisite: KIN 390L. On demand.

KIN 390L. Introduction to Teaching in Physical Education and Coaching Laboratory. 2 Credits.

KIN 397. Cooperative Education. 1-4 Credits.
Part of the educational system where KIN majors can earn academic credit for career work done in their field of study. Arranged by mutual agreement among student, department, and employer. Repeatable to 16 credits. Prerequisite: KIN majors only. Repeatable to 16 credits. S/U grading. F,S,SS.

KIN 400. Methods and Materials for Teaching Physical Education Elementary School. 2 Credits.
The development of skills and knowledge related to teaching physical education to young children. Prerequisites: KIN 290, KIN 390L and admission to Teacher Education. Corequisite: KIN 400L. On demand.

KIN 400L. Methods and Materials for Teaching Physical Education in the Elementary School Laboratory. 2 Credits.
Supervised experiences in the secondary school for the purpose of developing teaching skills for physical education and sport settings. Prerequisites: KIN 290, 390L and admission to Teacher Education. Corequisite: KIN 400. On demand.

KIN 401. Sport Sociology. 3 Credits.
The critical exploration of the function of sports in American culture, in an interdisciplinary fashion, with a focus on the contemporary scene. F,S,SS.

KIN 402. Exercise Physiology. 3 Credits.
The acute and chronic effect of the type, intensity and duration of exercise on physiological functions. Prerequisites: KIN or Athletic Training majors only, or consent of instructor; PPT 301 or Human Physiology equivalent. Corequisite: KIN 402L. F.

KIN 402L. Exercise Physiology Laboratory. 1 Credit.
The demonstration and measurement of the acute effects of exercise on physiological functions. Prerequisites: KIN or Athletic Training majors only, or consent of instructor; PPT 301 or Human Physiology equivalent. Corequisite: KIN 402. F.

KIN 403. School Health Education. 2 Credits.
Provides prospective health educators with a cursory look at health curriculum construction and investigation of different methods, devices and classroom techniques. Prerequisite: KIN majors only. S.

KIN 404. Adapted Physical Activity. 3 Credits.
A study of the physical and motor characteristics and needs of persons of all ages with disabilities, with application to the planning and implementation of physical activity programs. Prerequisite: KIN majors only or consent of instructor. S.

KIN 410. Methods and Materials for Teaching Physical and Health Education in the Secondary School. 3 Credits.
Instructional skills and curriculum analysis for secondary school physical and health education. Prerequisites: KIN 400 and admission to Teacher Education. Corequisite: KIN 410L. F.

KIN 410L. Methods and Materials for Teaching Physical & Health Education in the Secondary School-Laboratory. 1 Credit.
Supervised experiences in the secondary school for the purpose of developing teaching skills for physical and health education. Prerequisite: KIN 400L and admission to Teacher Education. Corequisite: KIN 410. F.

KIN 420. Curriculum Development for Physical and Health Education. 3 Credits.
An examination of different curriculum models used in K-12 physical education programs as well as health education programs. Also, study of national and state standards, program development and assessment, and future trends in school physical education. Prerequisites: KIN 390/390L, admission to Teacher Education. S.

KIN 424. Aquatics: Coaching Methods. 2 Credits.
Repeatable with different sports to a maximum of 10 credits in the KIN 420-439 series. Prerequisite: matching KIN 224 in the same area. These courses focus on methods employed in coaching specific aquatics-related activities (e.g., swimming, diving, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 425. Combative Sports: Coaching Methods. 2 Credits.
Repeatable with different sports to a maximum of 10 credits in the KIN 420-439 series. Prerequisite: matching KIN 225 in the same area. These courses focus on methods employed in coaching specific combative sports (e.g., boxing, kickboxing, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 427. Dance: Coaching Methods. 2 Credits.
Repeatable with different sports to a maximum of 10 credits in the KIN 420-439 series. Prerequisite: matching KIN 227 in the same area. These courses focus on methods employed in coaching specific dance types (e.g., ballroom, hip-hop, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 428. Fitness and Conditioning: Coaching Methods. 2 Credits.
Repeatable with different sports to a maximum of 10 credits in the KIN 420-439 series. Prerequisite: matching KIN 228 in the same area. These courses focus on methods employed in coaching specific fitness and conditioning activities (e.g., aerobic exercise, pilates, yoga, etc.). For specific course content, see the current schedule of classes. F, S, SS.

KIN 431. Individual Sports/Activities: Coaching Methods. 2 Credits.
Repeatable with different sports to a maximum of 10 credits in the KIN 420-439 series. Prerequisite: matching KIN 231 in the same area. These courses focus on methods employed in coaching specific individual sports and activities (e.g., golf, ice skating, track and field events, etc.). For specific course content, see the current schedule of classes. F, S, SS.

KIN 432. Individual Sports/Activities: Coaching Methods. 2 Credits.
Repeatable with different sports to a maximum of 10 credits in the KIN 420-439 series. Prerequisite: matching KIN 232 in the same area. These courses focus on methods employed in coaching specific outdoor pursuit activities (e.g., camping, cycling, cross-country skiing, etc.). For specific course content, see the current schedule of classes. F, S, SS.

KIN 433. Racquet Sports: Coaching Methods. 2 Credits.
Repeatable with different sports to a maximum of 10 credits in the KIN 420-439 series. Prerequisite: matching KIN 233 in the same area. These courses focus on methods employed in coaching specific racquet sports (e.g., badminton, racquetball, tennis, etc.). For specific course content, see the current schedule of classes. F, S, SS.

KIN 434. Strength Training: Coaching Methods. 2 Credits.
Repeatable with different sports to a maximum of 10 credits in the KIN 420-439 series. Prerequisite: matching KIN 234 in the same area. These courses focus on methods employed in coaching specific types of strength training (e.g., body building, power lifting, weight training, etc.). For specific course content, see the current schedule of classes. F, S, SS.

KIN 435. Target Sports: Coaching Methods. 2 Credits.
Repeatable with different sports to a maximum of 10 credits in the KIN 420-439 series. Prerequisite: matching KIN 235 in the same area. These courses focus on methods employed in coaching specific target sports (e.g., trapshooting, skeet, etc.). For specific course content, see the current schedule of classes. F, S, SS.

KIN 436. Team Sports: Coaching Methods. 2 Credits.
Repeatable with different sports to a maximum of 10 credits in the KIN 420-439 series. Prerequisite: matching KIN 236 in the same area. These courses focus on methods employed in coaching specific team sports (e.g., baseball, basketball, football, ice hockey, soccer, volleyball, etc.). For specific course content, see the current schedule of classes. F, S, SS.
KIN 437. Gymnastics: Coaching Methods. 2 Credits.
Repeatable with different sports to a maximum of 10 credits in the KIN 420-439 series. Prerequisite: matching KIN 237 in the same area. These courses focus on methods employed in coaching specific types of gymnastics (e.g., artistic, trampolining, tumbling, etc.). For specific course content, see the current schedule of classes. F,S,SS.

KIN 440. Sport Psychology. 3 Credits.
Examination of psychological constructs influencing sport and exercise. F,S,SS.

KIN 446. Exercise Testing and Prescription. 3 Credits.
Theory and practice of administering exercise, fitness and wellness tests, and using the results in exercise prescription and programming. Prerequisites: KIN 326 and KIN 402. On demand.

KIN 491. Senior Capstone. 3 Credits.
A critical analysis of problems, professional obligations and careers in teaching physical education. Corequisite: T&L 487. F,S.

KIN 494. Directed Studies/Research in KIN. 1-4 Credits.
An in-depth study or participation in a research project in a subject area selected by the student under faculty supervision. Repeatable to 9 credits. Prerequisite: Consent of instructor. Repeatable to 9 credits. F,S,SS.

KIN 495. Service Learning in KIN. 2 Credits.
Independent and group study of professional placement and leadership in kinesiology settings. Practical experiences in these settings within the community. Includes lectures, site visits, and fieldwork hours. Prerequisite: Instructor consent. F,S,SS.

KIN 496. Field Study in KIN. 1-8 Credits.
Placement of student in a practical setting under university faculty supervision. Repeatable to 8 credits. Prerequisites: Consent of instructor and upper division status. Repeatable to 8 credits. F,SS.

KIN 497. Internship in KIN. 10 Credits.
Development of professional skills through practical experience in agencies such as hospitals, physical therapy clinics, retirement or convalescent centers, work site wellness programs, fitness facilitation, on-campus fitness programs and community sports organizations under the supervision of professionals and faculty. Credits are taken during one semester for paid or volunteer work. Prerequisites: KIN majors only, consent of instructor, upper division status, and current First Aid/CPR certification. S/U grading. F,S,SS.

KIN 498. Practicum in Coaching. 2 Credits.
Supervised experiences in a school setting for the purpose of developing skills and techniques for coaching. Prerequisites: KIN 420-KIN 439 in the assigned sport in which the student will coach. F,S,SS.

KIN 499. Special Topics in KIN. 1-4 Credits.
Investigation of special topics in the study of physical education, exercise science and wellness not included in current departmental course offerings. Repeatable to 4 credits. Prerequisites: KIN majors only and consent of instructor. Repeatable to 4 credits. F,S,SS.

PHE Courses

PHE 101. Introduction to Public Health. 3 Credits.
Introduction to the population health approach to public health. Principles of evidence-based public health and tools for implementation including health communications and informatics, applications of social and behavioral sciences, and health policy, law and ethics. Methods for addressing non-communicable diseases, communicable disease and environmental diseases and injury. An overview of the U.S. health care system and comparisons with health care systems in other developed countries. Examination of public health institutions and systems at the local/state, federal and global levels as well as future issue in public health. F,S.

PHE 102. Epidemiology in Public Health. 3 Credits.
This course covers applications of epidemiologic methods and procedures to the study of the distribution and factors influencing health and diseases, morbidity, injuries, disability, and mortality in populations. Epidemiologic methods for the control of conditions such as infectious and chronic diseases, mental disorders, community and environmental health hazards, and unintentional injuries are discussed. Other topics include quantitative aspects of epidemiology, for example, data sources, measures of morbidity and mortality, evaluation of association and causality, and study design. F,S.

PHE 103. Introduction to Global Health. 3 Credits.
The purpose of this course is to provide the students the basic knowledge of health indicators, major determinants, and trends of global health. F.