HEALTH SCIENCES (HEAL)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Short Title</th>
<th>Department</th>
<th>Grade Mode</th>
<th>Course Type</th>
<th>Credit Hours</th>
<th>Restrictions</th>
<th>Description</th>
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<tbody>
<tr>
<td>HEAL 103</td>
<td>NUTRITION</td>
<td>NUTRITION</td>
<td>Kinesiology</td>
<td>Standard Letter</td>
<td>Lecture</td>
<td>3</td>
<td>Enrollment limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.</td>
<td>Concepts underlying the science of nutrition: food composition, calories and needs for energy, special nutrients, and nutritional deficiencies.</td>
</tr>
<tr>
<td>HEAL 132</td>
<td>INTRODUCTION TO HEALTH AND WELLNESS</td>
<td>INTRO TO HEALTH &amp; WELLNESS</td>
<td>Kinesiology</td>
<td>Standard Letter</td>
<td>Lecture</td>
<td>3</td>
<td>Enrollment limited to students with a class of Freshman. Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.</td>
<td>Designed to help students develop a greater understanding and appreciation of health and well being, as it relates to themselves and others around them, and for students to apply health and wellness knowledge in their personal life to improve their health.</td>
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<tr>
<td>HEAL 132</td>
<td>MEDICAL TERMINOLOGY</td>
<td>MEDICAL TERMINOLOGY</td>
<td>Kinesiology</td>
<td>Standard Letter</td>
<td>Lecture</td>
<td>3</td>
<td>Enrollment limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.</td>
<td>This course introduces the student interested in medical and health professions to a large vocabulary of medical language which develops skills in understanding and remembering new words. It describes word origins, basic terms in anatomy and terms pertaining to each body system as well as pharmacology and medical equipment, and many frequently used medical terms, abbreviations and symbols.</td>
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<tr>
<td>HEAL 208</td>
<td>CHEMICAL ALTERATIONS OF BEHAVIOR</td>
<td>CHEM ALTERATIONS OF BEHAVIOR</td>
<td>Kinesiology</td>
<td>Standard Letter</td>
<td>Lecture</td>
<td>3</td>
<td>Enrollment limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.</td>
<td>Examination of social, cultural psychological, physiological causes and effects of drug use and abuse. Individual, family, and community factors related to prevention and treatment will be addressed.</td>
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<tr>
<td>HEAL 212</td>
<td>CONSUMER HEALTH AND THE MEDIA</td>
<td>CONSUMER HEALTH AND THE MEDIA</td>
<td>Kinesiology</td>
<td>Standard Letter</td>
<td>Lecture</td>
<td>3</td>
<td>Enrollment limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.</td>
<td>Principles of Public &amp; Community Health examines aspects of the community that relate to health including health issues within community subgroups; identification and analysis of community health programs; organizational patterns and functions of voluntary and governmental health agencies and coordination of community health programs.</td>
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<tr>
<td>HEAL 222</td>
<td>SPECIAL TOPICS</td>
<td>SPECIAL TOPICS</td>
<td>Kinesiology</td>
<td>Standard Letter</td>
<td>Lecture</td>
<td>1-4</td>
<td>Enrollment limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.</td>
<td>Topics and credit hours vary each semester. Contact department for current semester's topic(s). Repeatable for Credit.</td>
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<tr>
<td>HEAL 306</td>
<td>HUMAN SEXUALITY</td>
<td>HUMAN SEXUALITY</td>
<td>Kinesiology</td>
<td>Standard Letter</td>
<td>Lecture</td>
<td>3</td>
<td>Enrollment limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.</td>
<td>Designed to explore the physiological, psychological, and sociological parameters of human sexuality, while providing accurate information and helping students develop healthy attitudes toward sexuality. Cross-list: SWGS 306.</td>
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HEAL 313 - FOUNDATIONS OF HEALTH PROMOTION AND EDUCATION
Short Title: FOUNDATIONS HEALTH PROMO&EDUC
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 3
Restrictions: Enrollment is limited to students with a major in Kinesiology. Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: Foundations of Health Promotion/Health Education is designed to introduce students to the discipline of health education and the practice of health promotion. The course explores critical issues in the field of health promotion, accountability and professional preparation, professional ethics, credentialing and the changing technology in the field. Intended for Health Science majors only.

HEAL 350 - UNDERSTANDING CANCER
Short Title: UNDERSTANDING CANCER
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: Examination of cancer from a biological, psychological and sociological perspective with emphasis on cancer epidemiology, prevention, and early detection.

HEAL 360 - VIOLENCE IN AMERICA: A PUBLIC HEALTH PERSPECTIVE
Short Title: VIOLENCE IN AMERICA
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 3
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: This course presents an overview of issues concerning violence using a public health perspective. Information will be presented and discussed concerning several domains pertinent to violence, including family violence, intimate partner violence, community violence, and workplace harassment.

HEAL 375 - THE BUILT ENVIRONMENT AND PUBLIC HEALTH
Short Title: ENVIRONMENT AND PUBLIC HEALTH
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 3
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: This interdisciplinary course reviews topics involved in characterizing the built environment and workplace harassment. The course encompasses economic, environmental, & social factors such as (a) community design, (b) public health practice, and (c) broader functions such as access to healthy food & jobs. Solutions to improve population health must include environmental & other determinants of health.

HEAL 379 - INTERNSHIP IN HEALTH SCIENCES
Short Title: INTERNSHIP IN HEALTH SCIENCES
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Internship/Practicum
Credit Hours: 1-3
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: Internship experience for upper-level health sciences majors only. Department Permission Required. Repeatable for Credit.

HEAL 380 - DISPARITIES IN HEALTH IN AMERICA
Short Title: DISPARITIES IN HEALTH IN AMER
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: This course explores the aspects of race and ethnicity that influence health, public health policy, and the management and practice of healthcare, as well as, the trends which drive demographic transition including an aging white population, declining white birth rate, immigration of non-whites, and the higher birth rate of minority groups. Graduate/Undergraduate Equivalency: HEAL 580. Mutually Exclusive: Credit cannot be earned for HEAL 380 and HEAL 580.

HEAL 407 - EPIDEMIOLOGY
Short Title: EPIDEMIOLOGY
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: Study of communicable, noncommunicable, and behavioral diseases with emphasis on the disease process and basic epidemiologic methods. Graduate/Undergraduate Equivalency: HEAL 507. Mutually Exclusive: Credit cannot be earned for HEAL 407 and HEAL 507.

HEAL 422 - THEORIES AND MODELS OF HEALTH BEHAVIOR
Short Title: THEORY&MODELS HLTH BEHAVIOR
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 3
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Prerequisite(s): HEAL 222
Description: Theories & Models of Health Behavior is designed for the student interested in public and community health or health psychology. This course examines the current theories and models of health behavior and their application to the field of health promotion/health education. Graduate/Undergraduate Equivalency: HEAL 522. Mutually Exclusive: Credit cannot be earned for HEAL 422 and HEAL 522.
HEAL 460 - PLANNING AND EVALUATION OF HEALTH PROMOTION AND EDUCATION
Short Title: PLAN/EVAL: HEALTH PROGRAMS
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Enrollment limited to students with a class of Junior or Senior. Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Prerequisite(s): HEAL 222
Description: Planning & Evaluation of Health Promotion provides the student with the technical skills for planning and evaluation of health promotion, health education, and disease prevention programs including collection and analysis of both qualitative and quantitative data. Graduate/Undergraduate Equivalency: HEAL 560. Mutually Exclusive: Credit cannot be earned for HEAL 460 and HEAL 560.

HEAL 477 - SPECIAL TOPICS
Short Title: SPECIAL TOPICS
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Internship/Practicum, Seminar, Lecture, Laboratory
Credit Hours: 1-4
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: Topics and credit hours vary each semester. Contact department for current semester's topic(s). Repeatable for Credit.

HEAL 495 - INDEPENDENT RESEARCH IN HEALTH SCIENCES
Short Title: INDEPENDENT RESEARCH
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Research
Credit Hours: 1-3
Restrictions: Enrollment limited to students with a class of Junior or Senior. Enrollment is limited to students with a major in Kinesiology. Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Prerequisite(s): KINE 319 and KINE 440
Description: To provide the student with an opportunity to participate in a research project under the supervision of a Rice Kinesiology faculty member and/or an external researcher. Department Permission Required. Repeatable for Credit.
Course URL: kinesiology.rice.edu

HEAL 498 - SPECIAL TOPICS IN HEALTH SCIENCES
Short Title: SPECIAL TOPICS
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 1-3
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: Topics and credit hours vary each semester. Contact department for current semester's topic(s). Spring 2018: Built Environment and Public Health. This course examines factors that characterize the built environment (BE) and how design of BE impact physical and social determinants of health. Issues of accessibility, public space planning and management are examined in the connection to community health outcomes. Repeatable for Credit.

HEAL 499 - TEACHING PRACTICUM IN HEALTH SCIENCES
Short Title: TEACH PRACTICUM HEALTH SCIENCE
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Internship/Practicum
Credit Hours: 1-3
Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.
Course Level: Undergraduate Upper-Level
Description: Advanced teaching experience for upper level students who have demonstrated particular aptitude and interest in one area of kinesiology. Students will assist in conducting a course in which they have previously excelled. The student will learn techniques in course management, instruction, and evaluation. Department Permission Required. Recommended prerequisite(s): Junior or Senior standing, declared major in Health Sciences, and at least an "A-" in the course serving as the practicum. Repeatable for Credit.

HEAL 507 - EPIDEMIOLOGY
Short Title: EPIDEMIOLOGY
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Enrollment is limited to Graduate level students.
Course Level: Graduate
Description: Study of communicable, noncommunicable, and behavioral diseases with emphasis on the disease process and basic epidemiologic methods. Graduate level students only. Instructor Permission Required. Graduate/Undergraduate Equivalency: HEAL 407. Mutually Exclusive: Credit cannot be earned for HEAL 507 and HEAL 407.
HEAL 522 - THEORIES AND MODELS OF HEALTH BEHAVIOR
Short Title: THEORY&MODELS HLTH BEHAVIOR
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 3
Restrictions: Enrollment is limited to Graduate level students.
Course Level: Graduate
Description: Theories & Models of Health Behavior is designed for the student interested in public and community health or health psychology. This course examines the current theories and models of health behavior and their application to the field of health promotion/health education. Graduate level students only. Instructor Permission Required. Graduate/Undergraduate Equivalency: HEAL 422. Mutually Exclusive: Credit cannot be earned for HEAL 522 and HEAL 422.

HEAL 560 - PLANNING AND EVALUATION OF HEALTH PROMOTION AND EDUCATION
Short Title: PLAN/EVAL: HEALTH PROGRAMS
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Enrollment is limited to Graduate level students.
Course Level: Graduate
Description: Planning & Evaluation of Health Promotion provides the student with the technical skills for planning and evaluation of health promotion, health education, and disease prevention programs including collection and analysis of both qualitative and quantitative data. Graduate level students only. Instructor Permission Required. Graduate/Undergraduate Equivalency: HEAL 460. Mutually Exclusive: Credit cannot be earned for HEAL 560 and HEAL 460.

HEAL 580 - DISPARITIES IN HEALTH IN AMERICA
Short Title: DISPARITIES IN HEALTH IN AMER
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Lecture
Credit Hours: 3
Restrictions: Enrollment is limited to Graduate level students.
Course Level: Graduate
Description: This course explores the aspects of race and ethnicity that influence health, public health policy, and the management and practice of healthcare, as well as, the trends which drive ethnic demographic transition including an aging white population, declining white birth rate, immigration of non-whites, and the higher birth rate of minority groups. Graduate level students only. Instructor Permission Required. Graduate/Undergraduate Equivalency: HEAL 380. Mutually Exclusive: Credit cannot be earned for HEAL 580 and HEAL 380.

HEAL 677 - SPECIAL TOPICS
Short Title: SPECIAL TOPICS
Department: Kinesiology
Grade Mode: Standard Letter
Course Type: Laboratory, Lecture, Seminar, Internship/Practicum
Credit Hours: 1-4
Restrictions: Enrollment is limited to Graduate or Visiting Graduate level students.
Course Level: Graduate
Description: Topics and credit hours vary each semester. Contact department for current semester's topic(s). Repeatable for Credit.