

SYLLABUS

NAME OF COURSE: PUBLIC HEALTH 1 – PATH-221

LENGTH OF COURSE: 3 units, (4 hours lecture/wk.)

COURSE DESCRIPTION: Aspects of community health, including the principles of epidemiology and environmental health will be covered.

PREREQUISITES: PATH-217, CPP-515, CPP-516

COURSE OFFERED BY: Basic Science Department

REQUIRED READING:

- Friis, R. Essentials of Environmental Health. Burlington, MA. Jones and Bartlett Publishers, 2019

RECOMMENDED READING:

- Haneline MT, Meeker WC. Introduction to Public Health for Chiropractors. Sudbury, MA: Jones and Bartlett Publishers, 2011.
- See additional recommendations on Canvas

MATERIALS: Lecture notes, handouts will be provided by the instructor on Canvas

METHOD OF INSTRUCTION: Lecture, discussion, student presentations, and article analysis

EVALUATION: Exams may consist of a combination of multiple choice, true/false, short-answers, and mini-essay.

Quizzes (online & in-class)*	20 pts
In-Class or Online Assignments	30 pts
Midterm	100 pts
Final Assignment	150 pts
Total	300 pts

*Lowest quiz score or one missing quiz score will be dropped

See Individual Assignments for details about scoring. Letter grade corresponds to an adjusted percentage of points earned. The final grade will be based on the following scale:

GRADES AND METHOD OF GRADING:

The final grade will be based on the following scale:

A	4.0 Superior work	90 - 100%
B	3.0 Above Average	80 - 89%
C	2.0 Average Work	70 - 79%
F	0.0 Must repeat the course	00 - 69%

Grades and the Grading System Final Grades are available online through the CAMS student portal. If there are any questions on grading procedures, computation of grade point average, or the accuracy of the grade report, please contact the Registrar's Office or the Office of Academic Affairs. Grades will be reported and evaluation will be based on the Academic Policies, Procedures, & Services. Please refer to Evaluation Policy (**Policy ID: OAA.0007**)

In order to maintain **Satisfactory Academic Progress**, a student must maintain a 2.0 or better in each and every course. **Any grade less than a C must be remedied by repeating the class.** Please refer to Satisfactory Academic Progress (**Policy ID: OAA.0006**)

Late Policy: No late assignments unless proof of family emergency, incarceration, or personal issue that did not allow you to complete the assignment.

Attendance: Please refer to Attendance Policy (**Policy ID: OAA.0002**)

Conduct and Responsibilities: Please refer to the Personal Conduct, Responsibility and Academic Responsibility Policy (**Policy ID: OAA.0003**)

Make-up Exams: Please refer to Make-up Assessment Policy (**Policy ID: OAA.0001**)

Request for Special Testing: Please refer to Request for Special Testing (**Policy ID: OAA.0004**)

Accommodation for Students with Disabilities:

If you have approved accommodations, please make an appointment to meet with your instructor as soon as possible. If you believe you require an accommodation, but do not have an approved accommodation letter, please see the Academic Counselor Lori Pino in the Office of Academic Affairs. Contact info: Lpino@lifewest.edu or 510-780-4500 ext. 2061. Please refer to Service for Students with Disabilities Policy (**Policy ID: OAA.0005**)

Electronic Course Management:

Canvas is LCCW's Learning Management System (LMS). Canvas will be used throughout the quarter during this course. Lectures, reminders, and messages will be posted. In addition, documents such as the course syllabus and helpful information about the class project will be posted. Students are expected to check Canvas at least once a week in order to keep updated. The website address for Canvas is <https://lifewest.instructure.com/login/canvas> Please refer to the Educational Technologies Policy (**Policy ID: OAA.0009**)

COURSE GOALS: Students will learn general areas of public health and community health problems and disease control measures along the ecological model. Public health issues involving both communicable and non-communicable disease control will be examined from an epidemiological perspective, recognizing the strengths and limitations of different observational study designs.

SOME IMPORTANT PRESENTATION DETAILS:

At the beginning of the 5 or 6th week of the quarter, group subjects and speaking dates will be chosen by random drawing. Specific group topics must be approved by the instructor. Duplication of topics is not permitted. Each student group will have **20** minutes for their presentation and five minutes for questions from their peers. Questions from the instructor may follow. **Failure to show up for a scheduled presentation will result in a 0 score for the assignment.**

PROCEDURES FOR REVIEWING EXAMS: The instructor has not authorized distribution of old midterm exams. Any possession of old exams is prohibited. A student may review his or her exam during office hours for two weeks following the exam (unless there is a shorter time period until the last scheduled office hour during the last week of classes.) Students may not review mid-term exams during final exam week. Possession of any exam other than during a review session constitutes unprofessional conduct.

COURSE CONTENT: Public health historical figures and current events, socioeconomic determinants of health, the social-ecological model, epidemiology (with a focus on understanding case-control and cohort studies), environmental health and theories of behavioral change.

Student Learning Outcomes (SLO): At the completion of the Path-221 course, a student should be able to:

1. Articulate how public health leads to the prevention of chronic disease, infectious diseases, injuries, and other population-based health concerns including recalling sentinel events in the history of public health. **(MC3:A&B)**
2. Describe the complementary roles of chiropractic and public health in achieving population health through primary, secondary and tertiary prevention. **(MC3:A,B&C)**
3. Select interventions and strategies for chiropractors to address prevention, management and reporting of diseases and disabilities including acquiring resources from local, national and international public health associations and applying theories of behavioral change. **(MC3D, MC4A, MC6A)**
4. Identify-the social, economic, political, and environmental factors affecting health status and contributing to health disparities. **(MC3C)**
5. Describe the different types of study designs used in epidemiology. **(MC6A)**
6. Apply clinical information literacy skills (including basic biostatistics) to understand epidemiology studies including cohort and case-control study designs. **(MC6A)**

7. Assess the criteria necessary to infer disease causation (Hill's Criteria for Causality) and explain the relative value (as well as the limits) of the various sources of information on health problems that are used to help formulate public health policies. **(MC6A)**
8. Complete a community engagement strategy to improve the health of local communities. **(MC8:A,B,C,D,E)**
9. Collaborate with a team to prepare and deliver a presentation that can be used to educate the public on a particular public health topic and correlate to chiropractic. **(MC3:B,C,D; MC6A; MC8:B,D)**

This course aligns to PLOs: (3 and 6)

Program Learning Outcomes (PLO): Students graduating with a Doctor of Chiropractic degree will be proficient in the following:

1. **ASSESSMENT AND DIAGNOSIS:** An assessment and diagnosis requires developed clinical reasoning skills. Clinical reasoning consists of data gathering and interpretation, hypothesis generation and testing, and critical evaluation of diagnostic strategies. It is a dynamic process that occurs before, during, and after the collection of data through history, physical examination, imaging, laboratory tests and case-related clinical services.
2. **MANAGEMENT PLAN:** Management involves the development, implementation and documentation of a patient care plan for positively impacting a patient's health and well-being, including specific therapeutic goals and prognoses. It may include case follow-up, referral, and/or collaborative care.
3. **HEALTH PROMOTION AND DISEASE PREVENTION:** Health promotion and disease prevention requires an understanding and application of epidemiological principles regarding the nature and identification of health issues in diverse populations and recognizes the impact of biological, chemical, behavioral, structural, psychosocial and environmental factors on general health.
4. **COMMUNICATION AND RECORD KEEPING:** Effective communication includes oral, written and nonverbal skills with appropriate sensitivity, clarity and control for a wide range of healthcare related activities, to include patient care, professional communication, health education, and record keeping and reporting.
5. **PROFESSIONAL ETHICS AND JURISPRUDENCE:** Professionals comply with the law and exhibit ethical behavior.
6. **INFORMATION AND TECHNOLOGY LITERACY:** Information literacy is a set of abilities, including the use of technology, to locate, evaluate and integrate research and other types of evidence to manage patient care.
7. **CHIROPRACTIC ADJUSTMENT/MANIPULATION:** Doctors of chiropractic employ the adjustment/manipulation to address joint and neurophysiologic dysfunction. The adjustment/manipulation is a precise procedure requiring the discrimination and identification of dysfunction, interpretation and application of clinical knowledge; and, the use of cognitive and psychomotor skills.
8. **INTERPROFESSIONAL EDUCATION:** Students have the knowledge, skills and values necessary to function as part of an inter-professional team to provide patient-

centered collaborative care. Inter-professional teamwork may be demonstrated in didactic, clinical or simulated learning environments.

9. **BUSINESS:** Assessing personal skills and attributes, developing leadership skills, leveraging talents and strengths that provide an achievable expectation for graduate success. Adopting a systems-based approach to business operations. Networking with practitioners in associated fields with chiropractic, alternative medicine and allopathic medicine. Experiencing and acquiring the hard business skills required to open and operate an on-going business concern. Participating in practical, real time events that promote business building and quantifiable marketing research outcomes
10. **PHILOSOPHY:** Demonstrates an ability to incorporate a philosophically based Chiropractic paradigm in approach to patient care. Demonstrates an understanding of both traditional and contemporary Chiropractic philosophic concepts and principles. Demonstrates an understanding of the concepts of philosophy, science, and art in chiropractic principles and their importance to chiropractic practice.