DNAP 735: Population Wellness & Health Promotion (Epidemiology)

Epidemiology is the study of the distribution and determinants of health-related states or events in specified populations, and the application of this study to control of health problems. This course prepares the DNAP student to use epidemiological strategies to examine patterns of illness or injury in groups of people. This course is designed to provide opportunities for discussing most common approaches used in epidemiology and examples of applications of epidemiology to human population, disease transmissions, disease surveillance to measure morbidity, and the use of mortality data in investigations relating public health and clinical practice. In this course the quality of diagnostic and screening tests will be assessed.

Further, this course will present ways to describe the natural history of disease in quantitative terms which is essential for assessing the severity of an illness and evaluating prognoses. The roles of genetic and environmental factors in disease causation will be identified. In conclusion, the relevance of epidemiology for anesthesia providers will be examined. This course consists of on-line lectures, coursework, and projects using a web-based system.

Credits: 4.00