

CLINICAL SCIENCES (CLSCI-DN)

CLSCI-DN 8925 Epidemiology (3 Credits)

Epidemiology is the study of the distribution and determinants of health and disease in different human populations and the application of methods to improve disease outcomes. As such, epidemiology is the basic science of health. This course is designed to introduce students in all fields of health and medicine to the background, basic principles, and methods of epidemiology. Topics include historical developments, principles of epidemiology, measures of mortality, study design, selection and information bias, confounding, effect modification and causal inference, screening, and outbreak investigations.

Grading: Dental Graded

Repeatable for additional credit: No

CLSCI-DN 8926 Evidenced-Based Healthcare (3 Credits)

Typically offered January term

Evidence-based healthcare is the integration of the current best evidence, with clinical judgment, and patient values and circumstances to improve health. This course uses lectures and case-base discussion learning to deliver the theory and practice of evidence-based care implementation.

The course will include introductory reviews of PICO development (Patient, Intervention, Comparators, and Outcomes), MEDLINE databases, study design and causality, critical appraisals of RCTs, Systematic Reviews, online research resources such as EBD, TRIP, DARE, and Cochran, Dissemination and Implementation Research, meta-analysis, literature reviews, and surveillance & assessment systems.

Grading: Dental Graded

Repeatable for additional credit: No