Epidemiology, PhD

Learning Outcomes

Graduates will be able to:

- summarize specific risk factors and disease processes in a specialized area;
- describe methods for primary data collection including quality assurance and quality control;
- use advanced statistical analysis methods appropriate for the study design and controlling for confounding variables;
- develop data collection instruments for research purposes;
- develop hypotheses that build upon literature and theoretical models of disease and causation;
- compose a proposal for grant funding;
- communicate epidemiological concepts and methods in both writing and orally; and
- defend the methods, results, and implications of a research study.