

Neuroepidemiology

3 cr. graded

Instructor: Walter A. Kukull, PhD, Professor (kukull@uw.edu)

Mon/Wed 8:30--9:50am T-530 HSB

Office: F 261G HSB (please email for appointment)

Current articles and materials will be posted prior to lectures by principal instructor and expert guest lecturers regarding specific neurological diseases and conditions. [🔄 Schedule_2019.pdf](#)

<https://canvas.uw.edu/courses/1255691/files/53050466/download?wrap=1> ▾

Learning Objectives

1. To discuss Neurological diseases and conditions and to become acquainted with experts involved with such research at UW.
2. To determine applicability of core epidemiologic methods for the study of neurological conditions.
3. To examine current "state of the art" for selected conditions and the current research challenges or gaps in knowledge.
4. To become acquainted with commonly used techniques for the study of neurological conditions (e.g., neuroimaging, genomics, neuropathology)
5. To become familiar with of NIH grant process and "research plan" structure/content.

Class Sessions: Class sessions will consist of lecture and interactive discussion. Understanding of clinical and technical content as presented by experts will provide a basis for students to identify research challenges, gaps in knowledge and to apply core epidemiologic methods toward the study of neurological diseases. Interactive discussion is key to collaborative research, thus, students will be expected to participate in that effort.

Topic Paper Students are expected to choose a neurologic disease/condition topic (generally from among those presented in the course) and based on lectures and current research literature, to construct a succinct (~5pp) paper describing current gaps in knowledge and the appropriate epidemiologic methods which may be brought to bear on those gaps. During the course (at specified sessions) students may be given opportunity to share their topic progress and gain insights from class members and instructor through interactive discussions. Paper will be due on the last day of class.

Grades: Grades will be based on class participation and interactive discussion (60%) and written Topic Paper (40%).

Final Exam: There will be No Final Exam.

