

Nutritional Epidemiology

Monday and Thursday 11:00am-12:15pm Davison 216

Instructors: Daniel J. Hoffman, PhD and Elisa Bandera, MD, PhD
Text: Nutritional Epidemiology, 2nd edition, by Walter Willett, MD, DSc
Reader: Available at Amazon.com

Objective: This course will introduce you to the theoretical and practical aspects of nutritional epidemiology, the study of how diseases related to diet change within and throughout societies and populations.

Format: The class will be a mix of lecture and discussion with laboratory sessions on basic data analysis. Class participation is essential and the use of the Socratic method will be emphasized to distill major learning objectives.

Grading: You will be graded on participation during class discussions (10%), two exams (70%), and a case study presentation (20%).

DATE	TOPIC	WILLETT Chpt.	INSTR
Sep 7	Course overview		DJH
Sep 11	Introduction to Epidemiology		DJH
Sep 14	Study Design I		DJH
Sep 18	Study Design II		DJH
Sep 21	Data Analysis		DJH
Sep 25	Issues in Analysis	13	EB
Sep 28	Thinking About Evidence		EB
Oct 2	EXAM 1		
Oct 5	Exposure Assessment I – Dietary Intake: Food records	3-4	DJH
Oct 9	Exposure Assessment II – Dietary Intake: Food frequency questionnaires	5-6	DJH
Oct 12	Exposure Assessment III – Energy Expenditure: Doubly labeled water and physical activity	10	DJH
Oct 16	Household Surveys		DJH
Oct 19	LAB: Group differences		DJH
Oct 23	Surveillance of Undernutrition		DJH

Oct 26	LAB: Linear regression		DJH
Oct 30	Nutritional Assessment		DJH
Nov 2	LAB: Ecological studies		DJH
Nov 6	Nutritional Epidemiology of Obesity and Syndrome X	11	DJH
Nov 9	LAB: Anthropometry		DJH
Nov 13	Nutritional Epidemiology of Cancer	17	EB
Nov 16	EXAM II		
Nov 20	Nutritional Epidemiology of Cardiovascular Disease		DJH
Nov 27	Nutrition Transition		DJH
Nov 30	PRESENTATIONS		
Dec 4	PRESENTATIONS		
Dec 7	PRESENTATIONS		
Dec 11	PRESENTATIONS		