



NURS 8924 - Epidemiology

Fall 2026 Syllabus, Section 01, CRN 42416,

Credit hours: 2

Instructor

Nancy Mosca

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Public Instructor Information

Instructor Title: Professor Emerita

Instructor Professional Qualifications: PhD, (Case Western Reserve University, 1995) RN-BC, PHCNS-BC, NPD-BC

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Course Description

8924. Epidemiology. Epidemiologic concepts of populations for understanding and using health research is the focus. Principles and methods of data analysis central to understanding health-related indicators for population health management will be used. Students will be prepared to function as members of a research team. Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program. 2 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Epidemiology for the Advanced Practice Nurse: A Population Health Approach. (2023)	Porche, Demetrius J.	978-0-8261-8513-6

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Course Schedule Fall 2026

Week of	Proposed Topic	Due/To Prepare for Class
8/24	MODULE 1. Advanced Practice Nursing: Competencies in Epidemiology and Population Health	Getting to Know You Discussion (2 Bonus Pts) Discussion (15 pts) Quiz (10 pts) Select Final Project Topic
8/31	Continued from week 1	
9/7	MODULE 2. Epidemiology Overview and Historical Perspectives	Discussion (15 pts) Quiz (10 pts)
9/14	MODULE 3. Natural History of Disease and Illness	Discussion (15 pts) Quiz (10 pts)
9/21	MODULE 4. Disease Occurrence: Morbidity and Mortality	Discussion (15 pts) Quiz (10 pts)
9/28	MODULE 5. Diagnostic and Screening Tests; Risk Assessment	Discussion (15 pts) Quiz (10 pts)
10/5	MODULE 6 (2 WEEKS). Observational Epidemiologic Research: Cohort Studies, Case Control Correlation.	Discussion (15 pts) Quiz (10 pts)
10/12	MODULE 6 CONTINUED.	
10/19	MODULE 7. Experimental Studies	Discussion (15 pts) Quiz (10 pts)
10/26	MODULE 8. Pandemic Epidemiology and Social Epidemiology	Discussion (15 pts)
11/2	MODULE 9. Infectious Disease Epidemiology & Clinical Healthcare Epidemiology	Discussion (15 pts) Quiz (10 pts)
11/9	MODULE 10. Genetic, Environmental, Reproductive & Maternal Health Epidemiology	Discussion (15 pts) Quiz (10 pts)
11/16	MODULE 11. Occupational Epidemiology	Discussion (15 pts)



11/23	STUDENT PRESENTATIONS	Student Project Presentation (90 pts) Lead Discussion (20 pts) Discussions (30 pts) over wks. 14 and 15.
11/30	STUDENT PRESENTATIONS	Continued as above in week 14
12/7	FINALS WEEK	

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.