NURS 6901 - Theoretical Foundations in Science and Research

Fall 2026 Syllabus, Section A02, CRN 42012,

Credit hours: 3

Instructor

Kristina Nappi

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Public Instructor Information

Instructor Title: Dr Kristina Nappi
Instructor Professional Qualifications: EdD in Nursing Education - University of Alabama

Master in Nursing, Family Nurse Practitioner (MSN-FNP) University of Tampa

Bachelor of Science in Nursing (BSN)- Kent State University
Instructor Office Location: James and Coralie Centofanti School of Nursing
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(not through Blackboard email or Blackboard messages)

Course Description

6901. Theoretical Foundations in Science and Research. Analysis of health-related evidence to continuously improve quality of practice. Exploration of the significance of theory, research and research methods and strategies for translating evidence into practice. Research design, instrumentation, data collection methods, statistical analysis, data analysis and data interpretation will be discussed. Prereq.: Nursing graduate status. 3 s.h.
Analysis of health-related evidence to continuously improve quality of practice. Exploration of the significance of theory, research and research methods and strategies for translating evidence into practice. Research design, instrumentation, data collection methods, statistical analysis, data analysis and data interpretation will be discussed.
Prerequisites: Graduate nursing program status.

Course Readings

Group	Title	Author	ISBN
Required			

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.
LoBiondo-Wood, G. & Haber, J. (2026). Nursing research: Methods and critical appraisal for evidence-based practice (11th ed.). Elsevier.
ISBN: 9780443246180
American Psychological Association. (2020). Publication manual of the American Psychological Association: The official guide to APA style (7th ed.). American Psychological Association.
https://doi.org/10.1037/0000165-000
ISBN: 9781433832161
Up-to-Date is free and available through Maag library.
Texts and additional course materials will provide you with the foundation readings for this course. In addition to the required texts, you may be required to read articles and other online materials. To purchase course materials, go to the YSU Bookstore.
Additional Resources: Locate library and research information for topics covered in this course using the links at the YSU Writing Center, YSU Maag Library, or the YSU Tech Desk.

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Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
10/19	Read: LoBiondo- Wood & Haber Ch 1, 2, 3 & 4 Read: PICOT Information Folder	Introduction to Course Overview of Research & Evidence-based Practice - Integrating research, evidence-based practice & quality improvement - Research questions, hypotheses & clinical questions - Gathering and appraising literature - Theoretical frameworks	Discussion Board Introduce Yourself -Sun 11:59pm EST Discussion Board PICOT Question -Thurs 11:59pm EST
10/26	Read: LoBiondo- Wood & Haber Ch 8, 9 & 10 Read: APA Resources Folder (in Getting Started)	Quantitative Research - Introduction - Experimental & quasi- experimental designs - Nonexperimental designs	Final Revision of PICOT from Module 1 (if needed) - Date Proposed Topic Class Readings Assignments/Tasks Due Must be approved by Thurs 11:59pm EST
11/2	Read: LoBiondo- Wood & Haber Ch 11, 12 & 13	Quantitative Research - Systematic reviews - Sampling - Legal & ethical issues	Search Strategy Form - Sun 11:59pm EST Discussion Board Post — Research Ethics - Initial post Thurs 11:59pm EST, Response post Sun 11:59pm EST
11/9	Read: LoBiondo- Wood & Haber Ch 14, 15, 16 & 17	Quantitative Research - Data collection methods - Reliability & validity - Data analysis - Understanding research findings	Literature Summary Table - Sun 11:59pm EST
11/16	Read: LoBiondo- Wood & Haber Ch 5 & 6	Processes & Evidence related to Qualitative Research	Research Synthesis Paper - Sun 11:59pm EST
11/23	Read: LoBiondo- Wood & Haber Ch 19, 20 & 21	Application of Research: Evidence-Based Practice & Quality Improvement	Narrated PowerPoint Presentation - Literature Review (post in Module 7 Discussion Board also) -Sun 11:59pm EST
11/30	Viewing of Classmates' Narrated PowerPoint Presentations	Translating Evidence into Practice	Discussion Board Posts: Viewing of Classmates' Narrated PowerPoint Presentations - Fri 11:59pm EST

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.