



School of Nursing | Camden

Spring Semester 2020

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| Course Title & Number: | Research and Evidence-Based Practice in Nursing (50:705:411:03) |
| Credits | 3 |
| Pre-requisites: | Statistics Course |
| Co-requisites: | None |
| Location: | Class: CNS Room 202 |
| Faculty: | Jamille Nagtalon-Ramos, EdD, MSN, WHNP-BC, IBCLC, FAANP Assistant Professor Office Location: CNS Room 444 Email: nagtalonramos@rutgers.edu Office hours: By appointment |
| Course Assistant: | Kayla Hoffman |

Course Description:

The course is designed to stimulate a refined knowledge and enthusiastic interest in nursing research and a foundation for its use in evidence-based nursing practice. The course emphasizes problem identification, literature review, hypothesis formulation, research design, sampling, data collection, and analysis as they are presented in nursing studies. Students will learn how to identify a research problem, to review and critique current nursing literature, identify frameworks and research designs, determine the appropriate methodology for data collection and analysis, interpret results, and apply critical thinking skills to evaluate published nursing research for application to practice. Quantitative and qualitative approaches to nursing research problems are explored. The student is prepared to understand the language and components of the research process and to read and interpret its use in nursing studies. Critique of the nursing research literature and the clinical relevance and applicability of study findings for nursing practice is conducted.

Course Objectives:

(AACN Essentials of Baccalaureate or Graduate Education are noted in parentheses)

At the completion of this course, the student will be able to:

1. Explain types and sources of nursing knowledge, theoretical foundations of nursing, and influence of nursing research on evidence-based nursing practice. (III, IX)
2. Describe concepts and components undergirding the nursing research process. (III)

3. Compare approaches to quantitative and qualitative nursing research. (III)
4. Demonstrate the ability to read, interpret, and evaluate applicability of selected research reports for contemporary practice. (III, IV, IX)
5. Explain the relationship between the research process and the nursing process and the implications of this relationship. (III, IV, IX)
6. Advocate for the protection of human rights and principles of ethical/legal research in clinical and scientific activities. (III, VIII)
7. Explain the role of nursing research in professional accountability and improving health and quality of nursing care services. (III, IV, IX)
8. Develop a plan for incorporation of nursing research into evidence-based practice and continued professional development. (III, IV, IX)
9. Utilize a systematic evidence-based approach to critically appraise the quality of research findings that guide nursing practice. (III, IV, IX)

Required Textbooks and Resources:

Lippincott CoursePoint for Polit and Beck: Essentials of Nursing Research (9th ed.). Visit <http://thepoint.lww.com/CPPolit9e>

Recommended Textbooks:

American Psychological Association (2020). Publication Manual of the American Psychological Association (7th ed.). Washington, DC.

Methods of Instruction:

Classroom lectures and discussion, audio-visual media, web-based material, including the use of Canvas to provide supplemental materials, in class assignments and reflective exercises, short assignments, required reading and written assignments, and in-classroom technology (i.e. Socrative, Padlet, Twitter, and YouTube).

Course Requirements:

1. Students are required to attend all scheduled classes. Students are to notify the Professor via email prior to missing any class.
2. Assigned readings are to be completed prior to the scheduled lecture. Professor reserves the right to add additional readings during the semester.
3. All tests will utilize Exam soft, a computer-based resource. Therefore, **ALL** students **must** have access to a laptop for all tests administered in this class. Please review the “*Laptop Requirements*” posted on the School of Nursing | Camden website under the student tab.
4. A grade of C+ or above is required for progression

5. Students enrolled in this course are expected to check their Rutgers email accounts and log on to the Canvas online course shell every 24-48 hours to check for updates, announcements, and to access course materials.

In addition to meeting all course objectives, students are expected to adhere to the policies and procedures in this syllabus and those of the School of Nursing. Please consider the following as useful tools to maximize your potential for success in this course:

1. **Attendance:** Reading the textbook and journal articles is not sufficient for successful completion of this course; class attendance is vitally important. Students are expected to **attend all lectures, to be on time, and to stay for the entire class**. As an adult learner, if unable to attend class, students are expected to inform the course professor by email and obtain class announcements and notes from a classmate.
2. **Class Preparation:** In order for the student to better understand and integrate new content, he/she should complete the required readings (from the textbook, any journal articles or website assigned in for class). Preparing for class by reading the assigned journal articles in advance will enable students to contribute to class discussion.
3. **Cell Phones and other Electronic Communication Devices:** As a courtesy to both faculty and students, all portable electronic devices, such as smartphones, iPads, etc. **must be placed on quiet or vibration status** before lecture officially begins. When class is in session, the use of Instant Messenger type communication systems, playing games, watching video clips on laptop computers, listening with ear phones, and text messaging on cell phones is unprofessional and a distraction to faculty and other students. Thus, they are prohibited during all lecture sessions **except** in cases when the professor indicates students may use these devices.
4. **Canvas Learning System:** This course is complemented by the use of Canvas which contains the syllabus, weekly slides/handouts for students to download/print, required and recommended reading assignments, supplemental resources, assignment guidelines and rubrics, and important announcements. Grading of your papers will primarily be done on Canvas. The student is responsible for reviewing faculty comments on assignments that are submitted through Canvas. **ALL** students are required to be familiar with the use of Canvas. Online tutorials and help-lines are available for students who encounter technical difficulties.
5. **Professional Conduct:** It is an expectation that students will conduct themselves in a professional manner in class.
 - a. Students are entitled to receive instruction free from interference by other class members. Interference is defined as side conversations, lateness, walking out and in the room while class is in session, etc. Students are asked not to talk with other classmates while the instructor or another student is speaking.
 - b. Announcements will be made promptly at the start of class and will not be repeated for late arrivals. Students who are late need to obtain this information from other classmates. Again, this is the student's responsibility.

6. Cancellation of Classes: In the event class is cancelled due to unforeseen circumstances (i.e. inclement weather), an asynchronous class may be provided to students (*pre-recorded lecture for students to download and watch/listen at his/her convenience*). It is the responsibility of the student to ensure that he/she checks for announcements in the Canvas course and his/her emails for communication from the course professor regarding the cancellation of classes and any asynchronous classes scheduled.
7. Lateness: Please notify the professor in advance through Canvas email or the Rutgers email stated above if you will not be able to complete activities on time in the case of extenuating circumstances. **Activities that are not submitted by the deadline will not be considered unless prior arrangements have been made with the professor. See assignment rubric for further details regarding penalties for late work.**
8. Use of Other Technology for Student Learning: This class uses varying technology to engage students in learning. Google docs and Google drive may be used to share documents among group members for peer review and collaboration. All students enrolled at Rutgers University by default have a Google Account: **username@scarletmail.rutgers.edu** Students will need to either install the Google docs and Google Drive application on their device or log into his/her Google account to participate in group exercises IF they choose to use this as a collaborative tool to work on group projects.
9. Policy Concerning Written Assignments: Please notify the professor in advance through Canvas email or the Rutgers email stated above if you will not be able to complete activities on time in the case of extenuating circumstances. Activities that are not submitted by the deadline will not be considered unless prior arrangements have been made with the professor. Additionally, points will be deducted for any late submission of assignments.

Disclaimer:

The course faculty reserve the right to revise assignments or change due dates during the course semester.

Evaluation Criteria:

Students' progress in the class will be evaluated by their performance on class assignments including submission of papers, assignments, class participation, and exams. **See Canvas for details for each assignment.**

| Evaluation Methods | % of Grade | Due Date |
|---|-------------------|------------------------|
| IRB CITI Assignment | 10% | 2/20/20 |
| Midterm Exam | 20% | 3/12/20 |
| Final Exam | 20% | TBA |
| Evidence-Based Practice Project | 30% | See Canvas for details |
| In-Class Assignments/Class Participation/Research in the News/Conceptual Framework | 20% | See Canvas for details |

Grading Scale:

A course grade of A, B+, B, or C+ is required for progression in the nursing major.*

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| A | 90 to 100 | B+ | 85 to 89 | B | 80 to 84 | | |
| C+ | 75 to 79* | C | 70 to 74 | D | 60 to 69 | F | <60 |

Assignment/Exam Grades:

Final theory course grades are calculated using the above weighted criteria. *There will be no rounding of exam grades.* Final grades will be rounded at the discretion of the Faculty instructor.

Academic Integrity Policy:

The School of Nursing follows the Rutgers, The State University of New Jersey policies/procedures regarding Academic Integrity that can be found at:
<http://academicintegrity.rutgers.edu>

Audio or videotaping (or use of any other electronic recording media) of course lectures **is not permitted** unless the student presents the course professor with valid documentation for this accommodation from the Division of Student Affairs, Dean of Students Office
<http://deanofstudents.camden.rutgers.edu/> Students who are caught doing so without approval of this accommodation will be violating the Student Code of Conduct.

Of note, any student who is aware of any academic misconduct has a moral and ethical responsibility to report it to the course faculty.

Student Handbook 2019-2021:

All students are held to the policies and procedures and all information in the SNC Student Handbook.

Student Services:

- 1. SNC CARES (formerly, Office of Nursing Student Advising and Clinical Operations)**
Is a comprehensive center dedicated to positively impacting the nursing student experience. SNC CARES will serve as the core of student support from admissions to graduation including:
Recruitment ▪ Admissions ▪ Progression Planning ▪ Advisement ▪ Mentoring ▪ Remediation ▪ Counseling ▪ Course Scheduling ▪ Clinical Placement ▪ and Clinical Compliance. **Please make an appointment through Raptor Connect or visit our website:**
nursing@camden.rutgers.edu
- 2. Office of Disability Services**
The Office of Disability Services (ODS) provides students with confidential advising and accommodation services in order to allow students with documented physical, mental, and learning disabilities to successfully complete their course of study at Rutgers University –

Camden. The ODS provides for the confidential documentation and verification of student accommodations, and communicates with faculty regarding disabilities and accommodations. The ODS provides accommodation services, which can include readers, interpreters, alternate text, special equipment, and note takers. The ODS acts as a signatory for special waivers. The ODS also works with students, faculty, staff and administrators to enforce the American with Disabilities Act of 1990. <http://learn.camden.rutgers.edu/disability-services>

3. APA Style

<http://apastyle.org/learn/tutorials/basics-tutorial.aspx>

4. Center for Learning & Student Success

<https://learn.camden.rutgers.edu/>

5. Canvas Information

help@canvas.rutgers.edu

6. Registrar

Student Information - <https://registrar.camden.rutgers.edu/student-information>

Last day to withdraw from an individual class with a W grade –

Course Evaluation:

The course evaluation process is central to Rutgers' efforts to ensure that instruction at the University continues its history of excellence. School instructors and administrators take the information and feedback received from students very seriously. It is the expectation that all students complete all required course evaluation surveys while enrolled in courses at Rutgers University. The online course evaluation system provides security and confidentiality that far exceeds that which is possible with the paper and pencil method. Students can participate in the surveys with complete assurance that their responses will remain *confidential*.

Students are expected and encouraged to comment about their experiences in the classroom and to provide feedback on the quality of instruction in the course through the *Student Instructional Rating Survey* [**SIRS**] (a University-wide survey). SIRS is conducted at the end of every semester by the Center for Teaching Advancement and Assessment Research. When the course evaluation survey is launched for a semester, students will be contacted through e-mail from the CoursEval System (<https://sirs.ctaar.rutgers.edu/>).

Rutgers, The State University
School of Nursing | Camden
Research and Evidence-Based Practice in Nursing (50:705:411:03)
Course Outline Spring 2020

| Week | Date | Topic | Required Readings (Additional readings and resources can be found on Canvas) |
|----------|-------------|--|---|
| 1 | 1/23 | Overview of Nursing Research and Evidence-Based Practice | |
| | | <ul style="list-style-type: none"> • Introduction to Nursing Research and Its Role in Evidence-Based Practice • Key Concepts and Steps in Qualitative and Quantitative Research | Polit & Beck: Chapter 1 Chapter 3 |
| 2 | 1/30 | Fundamentals of Evidence-Based Nursing Practice | |
| | | <ul style="list-style-type: none"> • Levels of Evidence • Collaborating in Research • Accountability and Responsibility of the Nurse Researcher to Facilitate Change • Research Utilization • Defining EBP and Essential Components • Integrating Evidence in Planning, Implementing, and Evaluating Outcomes • Formulating Clinical Questions Using PICO | Polit & Beck: Chapter 2 |
| 3 | 2/6 | Ethics in Research | Research in the News – 1 |
| | | <ul style="list-style-type: none"> • Code of Ethics • The Role of the IRB • Protecting Research Participants | Polit & Beck: Chapter 5 |
| 4 | 2/13 | Research Problems, Research Questions, and Hypotheses | Research in the News – 2 |
| | | <ul style="list-style-type: none"> • Overview of Research Problems • Research Hypotheses in Quantitative Research | Polit & Beck: Chapter 6 |
| | | Library utilization and database search | John Maxymuk, Reference Librarian, Paul Robeson Library |
| 5 | 2/20 | The Research Process | CITI Assignment Due |
| | | <ul style="list-style-type: none"> • Literature Review Process • Reading and Critiquing Research Articles • Primary and Secondary Sources • Finding and Reviewing Research Evidence in the Literature • Utilizing APA Guidelines for Formatting Citations | Polit & Beck: Chapter 4 Chapter 7 |
| 6 | 2/27 | Theoretical and Conceptual Frameworks | Research in the News – 3 |
| | | <ul style="list-style-type: none"> • Nurse Role in Serving Diverse Community Through Research • Theoretical Underpinnings of Research | Polit & Beck: Chapter 8 |
| | 3/4 | Conceptual framework research article due. Post on Canvas DB by 3/4/2020, 11:59 pm | |

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| 7 | 3/5 | Quantitative Research Design | Research in the News – 4 |
| | | <ul style="list-style-type: none"> Quantitative Research Design Experimental, Quasi-Experimental, and Non-Experimental Research Designs Dependent and Independent Variables Strengths and Limitations of a Study | Polit & Beck: Chapter 9 |
| 8 | 3/12 | CLASS CANCELED | |
| Spring Break – March 14 – March 22 | | | |
| 9 | 3/26 | Midterm Exam: Open March 26, 9 am –until March 27, 9p | |
| 10 | 4/2 | EBP Poster Topic due. Post on Canvas DB by 4/2/20, 11:59pm | |
| | | Sampling and Data Collection in Quantitative Studies | Research in the News – 5 |
| | | <ul style="list-style-type: none"> Quantitative Data Collection Methods Critiquing Appropriateness of Data Collection | Polit & Beck: Chapter 10 |
| | | Critiquing Study Participant Recruitment Methods | |
| | | Qualitative Designs and Approaches | |
| | | Qualitative and Quantitative Data Collection Methods | Polit & Beck: Chapter 11 |
| 11 | 4/9 | Sampling and Data Collection in Qualitative Studies | |
| | | <ul style="list-style-type: none"> Qualitative and Quantitative Data Collection Methods Critiquing Appropriateness of Data Collection Critiquing Study Participant Recruitment Methods | Polit & Beck: Chapter 12 |
| | | Mixed Methods and Other Special Types of Research | Research in the News – 6 |
| | 4/15 | <ul style="list-style-type: none"> Systematic Reviews: Meta-Analysis and Metasynthesis Levels of Evidence | Polit & Beck: Chapter 13 Chapter 18 |
| | 4/15 | Conceptual Framework paper and video due: | |
| | 4/15 | <ul style="list-style-type: none"> Paper to be submitted via Canvas assignment inbox Video needs to be posted on the Canvas Discussion Board | |
| 12 | 4/16 | Analysis and Interpretation in Quantitative and Qualitative Research | Research in the News – 7 |
| | | <ul style="list-style-type: none"> Statistical Analysis of Quantitative Data Descriptive Statistics Inferential Statistics | Polit & Beck: Chapter 14 |
| | | <ul style="list-style-type: none"> View your colleagues' Conceptual Framework videos. Peer Evaluations and Class Evaluations due by 11:59 pm | |
| | 4/22 | EBP table, reference page, and 5 articles are due 4/22/20, 11:59 pm | |
| 13 | 4/23 | Interpretation and Clinical Significance in Quantitative Research | |
| | | <ul style="list-style-type: none"> Validity in Research Studies Reliability in Research Studies Strengths and Limitations of a Study | Polit & Beck: Chapter 15 |
| | | Analysis of Qualitative Data | |
| | | <ul style="list-style-type: none"> Trustworthiness and Integrity in Qualitative Research Strengths and Limitations of a Study | Polit & Beck: Chapter 16 Chapter 17 |
| | 4/29 | EBP Poster due. Submit to Canvas by 4/29/20, 11:59pm | |

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| 14 | 4/30 | EBP Presentations on 4/30/20 online |
| Finals Week | | Final Exam - Date – TBA |