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| **Course Title**: | Nursing Research |
| **Course Number**: | NUR 500 |
| **Course Hours**: | (3+0) |
| **Faculty member:** | Dr. Latifah Almater (Group 47878) |
| **Term** | 1st semester 1439-1440 |

**Course Overview:**

The course is designed to provide the students’ knowledge about the research process in nursing field. It focuses on complex research designs and analysis of multiple variables. Emphasis will be placed on techniques for control of variables, data analysis, and interpretation of results. The interrelationship of theoretical frameworks, design, sample selection, data collection instruments, and data analysis techniques will be analyzed in depth. Content will be discussed in terms of clinical nursing research problems, Students will be required to design a nursing research proposal.An overview of the research process in nursing is presented with an emphasis on developing a theoretically sound research proposal. Content considerations include: 1) nursing research approaches or designs; 2) theory-research-practice interrelationships; 3) elements of the research process and their interdependency and expression in the proposal; and 4) proposal development.

**Course outcomes:**

By the end of this course student should be able to:

1. Analyze the steps of the research process.
2. Examine ethical considerations related to research in human subjects.
3. Develop and refine research questions and hypothesis.
4. Synthesis current literature review pertaining to research questions.
5. Utilize variety of research methods.
6. Analyze and interpret the research data.
7. Critique research studies and appraising their design, coherence, validity, and reliability.
8. Compose a nursing research proposal.

**Required textbook**

Polit, D.F., & Beck, C.T. (2017). *Nursing research: Generating and assessing evidence for nursing practice* (10th ed.). Philadelphia: Lippincott.

Norwood. S. L (2010). *Research Essentials: Foundations for Evidence-Based Practice*. Pearson. Boston.

**Recommended Reading**

Nieswiadomy, R. M. (2014). *Foundations in Nursing Research: Pearson New International Edition*, 6 ed. Pearson

Polit, Denise F. (2014). *Statistics and Data Analysis for Nursing Research: Pearson New International Edition*, 2ed Pearson, Humanalysis, Inc., Saratoga Springs, NY

# **Course Contents:**

**SECTION 1 NURSING RESEARCH: AN OVERVIEW**

* Chapter 1 Research and Contemporary Nursing
* Chapter 2 The Research Process: An Overview
* Chapter 4 Ethical Considerations in Nursing Research

**SECTION 2 UNDERSTANDING NURSING RESEARCH**

* Chapter 5 Study Foundations: The Research Problem, Purpose, “Sub-Problems”, and Variables
* Chapter 6 Study Backgrounds and Literature Reviews
* Chapter 7 Frameworks for Nursing Research
* Chapter 8 Research Designs
* Chapter 9 Research Samples
* Chapter 10 Principles of Measurement
* Chapter 11 Data Collection Strategies
* Chapter 12 Data Analysis in Quantitative Research
* Chapter 13 Data Analysis and Qualitative Research

**SECTION 3 PUTTING IT ALL TOGETHER**

* Chapter 14 The Research Critique Process
* Chapter 15 Conducting Research in Practice Settings
* Chapter 16 Communicating Research Findings
* Chapter 17 Using Research Findings in Practice Settings

**Course Outline and Activities:**

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| --- | --- | --- |
| **Date**  | **Content** | **Activities** |
| Week 1 |  | Registration  |
| Week 2 | Course SyllabusGroup distribution and discussionLibrary | * Electronic information resources
* Class discussion
* Pre-class assignment
 |
| Week 3 | **SECTION 1: NURSING RESEARCH: AN OVERVIEW**Research and Contemporary Nursing Evidence Based Practice The Research Process: An Overview Ethical Considerations in Nursing ResearchWriting a proposal (APA Style)  | Reading **1.Norwood*** Chapter 1 (pp. 2- 17)
* Chapter 2 (pp. 24-41)
* Chapter 4 (pp.66-93)

**2. Polit & Beck*** Chapter 1
* Chapter 7

**3. Activity** Access this website: (https://phrp.nihtraining.com/) and complete its course and the quiz. Then, bring the certificate to class |
| Week 4 | **National Day**  |  |
| Week 5 | **SECTION 2: UNDERSTANDING NURSING RESEARCH**Study Foundations: Qualitative & Quantitative Research topic Research Problem, The Purpose  | Reading **1**. **Polit & Beck:*** Chapter 3
* Chapter4

**2. Activity** * Topic selection and identifying research background, problem, purpose, objective, and question
 |
| Week 6 | **Library Activities**  | **Activities** * **Debrief and finalize your 1st draft of**
* Research Problem, Sub-Problems”, and Variables, Literature Reviews, Frameworks.
 |
| Week 7 | **SECTION 2: UNDERSTANDING NURSING RESEARCH**Study Backgrounds and Literature ReviewsStudy FrameworkResearch hypotheses  | Reading: **1. Polit & Beck*** Chapter5
* Chapter6

 **2. Activity** Write short background about the research topic, select a framework and justify using it.Write a research hypothesis (Quantitative) |
| Week 8 | **SECTION 2: UNDERSTANDING NURSING RESEARCH****Research Designs (Quantitative)**Principles of MeasurementSampling in Quantitative Research  | Reading**1. Polit & Beck*** Chapter 9
* Chapter 10
* Chapter 11
* Chapter 12

**2. Activates**  -Discuss design &sample and sampling process of your research proposal -Write your research proposal design &sample and sampling process-State your research instrument and data collection strategy |
| Week 9 | **SECTION 2: UNDERSTANDING NURSING RESEARCH**Data Collection Strategies in Quantitative ResearchData Analysis in Quantitative Research Rigor and Validity in Quantitative Research | **Reading** **1. Polit & Beck*** Chapter 13
* Chapter 14

**2. Activities** * **Debrief and finalize your 1st draft of**
* Discuss Data Analysis of your research proposal
* Select & writ the appropriate data analysis for your research proposal
* Critique (quantitative)
 |
| Week 10 | **Midterm Exam** |  |
| Week 11 | **SECTION 2: UNDERSTANDING NURSING RESEARCH**Research Designs (Qualitative) Types/ methods Sampling in Qualitative Research  | Reading **1. Polit, & Beck*** Chapter 21
* Chapter 22

**2. Activities** -Discuss design &sample and sampling process of your research proposal -Write your research proposal design &sample and sampling process-State your research instrument and data collection strategy |
| Week 12 | **SECTION 2: UNDERSTANDING NURSING RESEARCH**Data Collection Strategies in Qualitative ResearchTrustworthiness and integrity in Qualitative Data Analysis and Qualitative Research | Reading **1. Polit & Beck*** Chapter 23
* Chapter 24
* Chapter 25

**2. Activities** * Discuss Data Analysis of your research proposal

Select & writ the appropriate data analysis for your research proposalCritique (qualitative) |
| Week 13 | **SECTION 3: PUTTING IT ALL TOGETHER** Writing and Communicating Research Findings  | Reading 1. **Polit & Beck**
* Chapter 30
* Chapter 31

**2. Activities** Write **2nd draft of** Research Problem, Sub-Problems”, and Variables, Literature Reviews, Frameworks**,** research design &sample and sampling, research instrument and data collection process, data analysis  |
| Weeks14 | Writing proposal to generate evidence / discussion  | **Debrief and finalize your 2nd draft of Research** * Introduction, problem, purpose, research question literature reviews, frameworks**,** research design &sample and sampling process, research instrument, data collection process, and data analysis approach
 |
| Weeks15 | Presentation/ discussion (with expert)  | **Proposal submission** **The 3rd draft of Research*** Introduction, problem, purpose, research question
* Literature reviews,
* Frameworks**,** research design &sample and sampling process, research instrument,
* Data collection process, and data analysis approach
 |
| Final Exam |

**Course Requirements:**

All examinations will be based on the principle concepts, and theory and learning activities scheduled. It is expected of the students to attend examinations as per the schedule.

Students will participate actively in all activities that are planned.

**Teaching Methods:**

* Lecture cum discussion,
* Group discussion,
* Self-study activities
* Seminar/ Presentations
* Critical analysis of learning material
* Project method.

**Attendance & Class Participation:**

Attendance and class participation is a requirement for completion of the course. All students are required to contribute to the discussion.

**Presentation:**

The students are required to prepare for proposal presentation and demonstrate an understanding of the presentation of the material.

**Assignment(s):**

***Reading Assignment and class activity:*** Thestudents are required to complete the reading assignments and participate in discussions

***Research Proposal:*** Students are required to write a research proposal. The proposal will be written individually ( minimum 15 pages)

***Research Critique***: The student is also expected to critically analyze a research report on the basis of the guidelines for critiquing. As well, the critique paper will be done in group.

**Assessment**

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| --- | --- | --- |
| **Assessment** | **Task** | **Proportion of Final Assessment** |
| **1** | Overall quality and presentation/ research proposal progress | 30% |
| 2 | Midterm Examination | 15% |
| 3 | Research Proposal | 15% |
| 5 | Final Examination- Written | 40% |

**Midterm examination:**

The midterm examination is designed to assess the student’s understanding and the ability to interpret and apply the concepts and issues covered in the lectures and the assignments.

**Plagiarism Policy:**

**Plagiarism: definition**

Copying extensive passages verbatim without adequate referencing to the source of the material is a serious academic offence. The University rules clearly shows that:

Work which is not undertaken in an Examination Room under the supervision of an invigilator (such as dissertations, essays, project work, experiments, observations, specimen collecting and other similar work), but which is nevertheless required work forming part of the degree, diploma or certificate assessment, must be the student's own and must not contain plagiarized material.

***Within the school of nursing at KSU, plagiarism is defined as:***

* Submitting another student’s written assignment either in part or in its entirety with the intent that it should be taken as your own work;
* Using text written from another source within an assignment without acknowledging that it is the author’s work, and with the intent that it should be taken as your own.

***Plagiarism: a professional offence***

The Saudi commission for health specialties code of ethics, each health care provider requires to be ‘open and honest, act with integrity and uphold the reputation of his/her profession’. Therefore, plagiarism is considered to be a professional offence. Pre-registration students may be referred to the University’s Fitness to Practice Committee. Students who are registered nurses and midwives may be referred to their employers for disciplinary action.

***Plagiarism: an academic offence***

If you are undertaking a course that leads to a University award, an academic offence of plagiarism will be dealt with according to the guidance in the University Quality Manual. As an academic offence, plagiarism carries a penalty. The severity of the penalty depends upon the case and degree of plagiarism. Penalties include awarding a mark of zero for the piece of work, examination or examination question which is the subject of the academic offence, or for the assessment of the module as a whole.