

**KING SAUD UNIVERSITY**

**College of Nursing**

**COURSE SYLLABUS**

**NURSING RESEARCH**

**412 NUR**

**Bachelor of Nursing Science Program**

**Course Coordinator**

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Please use e-mail for communication and questions

**1437 -1438 H**

**2016- 2017 G**

**King Saud University  
College of Nursing  
Nursing Administration & Education Dept.**

**Undergraduate Curriculum  
Course Syllabus  
1437-1438H**

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- Course Title: Nursing Research.
- Course Number: 412 NUR.
- Allotted hours :( 3 theory + 0 practice).
- Instructor(s): Dr. Hanan A. Ezzat Alkorashy, Dr. Fatma M. Baddar & Dr. Abdualrahman Saeed Alshehri

**Course Overview:**

This course is designed to introduce students to the scientific research process, research methodologies and the contributions of research to the improvement of nursing practice. It focuses on understanding, analyzing, and applying research findings to resolve nursing problem and improve outcomes. The course also provides nursing students with competencies necessary to read, evaluate, and interpret findings of nursing research studies. Emphasis is placed on applying research methodology and ethical consideration in development of a research proposal for evidence-based practice.

**Course Outcomes:**

Upon completion of this course, the student will demonstrate knowledge and skills as a consumer of research. The outcome will be evidenced by the student's achievement of the following competencies:

1. Discuss the importance of nursing research and how research expands knowledge in various nursing fields.

2. Define the variety of roles nurses may assume in the research process.
3. Discuss the elements of ethical nursing research.
4. Appreciate the importance of accountability for the utilization of nursing research in nursing practice, education and/or management.
5. Examine the concepts relevant to nursing research methods.
6. Compare and contrast the major purposes and approaches used in quantitative and qualitative research in nursing.
7. Examine the steps of the qualitative research process.
8. Examine different methodologies in research reports.
9. Apply critical thinking skills in the evaluation of published nursing research
10. Appraise nursing research studies for their utility in nursing practice and evidence-based nursing.
11. Communicate in writing an understanding of the steps of the research process by developing a limited nursing research proposal.
12. Orally communicate an understanding of the role of research as the scientific basis for therapeutic nursing interventions.

**Course requirement:**

**a. Learning activities:**

This course will be taught using lectures, group discussions, students' readings and reflective discussion. There will be selected research articles for critique. Each student will apply the research process in developing a research proposal to be submitted the last week of the semester.

**b. Content outline:**

**1. Nursing and the role of research:**

- Importance of research in nursing.
- Sources of knowing.

- Roles of nurses in scientific research.
- Research competencies for nurses.
- Ethical consideration in nursing research.

## **2. The scientific approach:**

- Purposes of scientific research.
- Characteristics of the scientific research.
- Limitations of the scientific research.

## **3. Overview of the research process:**

- Basic research terminology.
- Major phases and steps in the research process.

## **4. Selecting and defining a nursing research problem:**

- Sources of research problems.
- Developing and refining a research problem. Criteria for evaluating research problem. Statement of the research problem.
- Formulating research question, purposes and hypotheses.

## **5. Study backgrounds and Literature Review:**

- Purposes of a literature review.
- Scope of literature review.
- Types of and Sources for the literature review.
- Writing the literature review.

## **6. Research designs considerations:**

### *a. Experiments and quasi-experiments:*

- Characteristics of true experiments.
- Advantages and disadvantages of the experimental approach.

b. *Non-experimental research:*

- Reasons for conducting non-experimental research.
- Types of non-experimental research.

c. *Additional types of research:*

- Survey research. Evaluation research.
- Needs assessments research.
- Historical research.
- Case studies.

**7. Research Sampling:**

- Probability sampling.
- Non-probability sampling.

**8. Data collection strategies:**

- Observational methods.
- Interviews
- Questionnaires.
- Other data collection methods.

**9. Data analysis, interpretation and results reporting.**

**10. Writing a research proposal.**

## Evaluation :

<i>REQUIREMENTS</i>	<i>COURSE GRADE</i>
2 Mid-term Exams	30%
Quiz	5%
Exercises & Class Participation	15%
Research Proposal	10%
Final Exam	40%
Total	100%

## Teaching Strategies:

- Interactive lecture & discussion
- Group presentations
- Group Discussions
- Group work

## Required Textbooks:

- Nieswiadomy, R. (2012). Foundations of Nursing Research. 6<sup>th</sup> Ed. Pearson Education, Inc.
- Norwood S. (2010) Research Essentials: Foundations for Evidence-Based Practice. Pearson Education, Inc., USA. ISBN-I0: 0-13-513410-2.

## Recommended Readings:

- Polit, D. F. B. C. T. (2014). Essentials of nursing research: appraising evidence for nursing practice. Philadelphia: Wolters Kluwer Health /Lippincott Williams & Wilkins.

- Polit, D. F. P. D. F. (2014). Study guide for Essentials of nursing research : appraising evidence for nursing practice. Philadelphia, Pennsylvania: Lippincott Williams & Wilkins.
- Nurse Professional Development: Research Competencies. Available at: [http://www.msfnr.org/sites/default/files/HSRP\\_Professional\\_Development\\_Tool.pdf](http://www.msfnr.org/sites/default/files/HSRP_Professional_Development_Tool.pdf)

### **Group Assignments:**

- Preparation of the Research proposal, including introduction, aim/objectives/questions and/or hypotheses, literature review, methodology, data management method(s), choice of relevant data analysis technique(s), will be completed in groups.
- Individual & groups levels' Class activities

### **Class Policy:**


**Attendance:** Students are expected to demonstrate regular class attendance and classroom behaviors that facilitate learning. It is expected that students will prepare for class, and actively participate in class discussions. It is the responsibility of the student to communicate with faculty regarding absences, and any necessary make-up assignments.

**Cellular Phone:** Use of a Cellular Phone during the class time is strictly forbidden

### Time Table for Lectures, Exams and Activities

WK	DATE	TOPICS	Required Readings Assignment & Activities
1	19/12/1437 20/9/2016	<ul style="list-style-type: none"> <li>• <b>Introduction to the course, objectives and roles.</b></li> <li>- <b>Ice Breaking Session</b></li> </ul>	<i>Welcome to the new academic year</i>
2	26/12/1437 27/9/2016	<p><b>Introductions to the course, objectives and roles</b></p> <p><b>1. Introduction and Ice breaking</b></p> <p><b>2. Nursing and the role of research:</b></p> <ul style="list-style-type: none"> <li>- Importance of research in nursing</li> <li>- Roles of nurses in scientific research</li> <li>- Sources of knowing.</li> </ul>	<i>Research competencies for nurses (Reading)</i>
3	3/1/1438 4/10/2016	<p><b>2. Nursing and the role of research (Cont.):</b></p> <ul style="list-style-type: none"> <li>- Research competencies for nurses.</li> </ul> <p><b>3. The scientific approach:</b></p> <ul style="list-style-type: none"> <li>- Purposes of scientific research.</li> <li>- Characteristics of the scientific research.</li> <li>- Limitations of the scientific research.</li> </ul>	<i>Visit to the College's Library</i>  <i>Reading on Ethical Considerations in Scientific Research</i>
4	10/1/1438 11/10/2016	<p><b>4. Ethical consideration in nursing research.</b></p> <p><b>5. Overview of the research process:</b></p> <ul style="list-style-type: none"> <li>- Basic research terminology.</li> <li>- Major phases and steps in the research process</li> </ul>	<i>Variables Exercises (In-Class)</i>
5	17/1/1438 18/10/2016	<p><b>5. Overview of the research process: (Cont.)</b></p> <ul style="list-style-type: none"> <li>- Research article writing (APA) style</li> </ul> <p><b>6. Types of scientific research</b></p>	
6	24/1/1438 25/10/2016	<ul style="list-style-type: none"> <li>- <b>Different types of References and citation</b></li> <li>- <b>Data-bases search and referencing programs</b></li> </ul>	<i>Different types of References and citation Exercise</i>
7	1/2/1438 1/11/2016	<p><b>7. Selecting and defining a nursing research problem:</b></p> <ul style="list-style-type: none"> <li>- Sources of research problems.</li> <li>- Developing and refining a research problem</li> <li>- Criteria for evaluating research problem.</li> </ul>	<b>QUIZ(1)</b>  <i>Group Activity (1)</i> <b>Submit research topic and research point.</b>



WK	DATE	TOPICS	Required Readings Assignment & Activities
		<ul style="list-style-type: none"> <li>- Statement of the research problem.</li> <li>- Formulating research question, purposes and hypotheses.</li> </ul>	
8	8/2/1438 8/11/2016	<b>8. Study backgrounds and Literature Review:</b> <ul style="list-style-type: none"> <li>- Purposes of a literature review.</li> <li>- Scope of literature review.</li> <li>- Types of and Sources for the literature review</li> <li>- Writing the literature review.</li> </ul>	<i>Exercise on Hypotheses</i>
9	15/2/1438 15/11/2016	<b>MID-TERM VACATION</b> <b>ENJOY</b> 	
10	22/2/1438 22/11/2016	<b>MID- TERM EXAM (1)</b>	
11	29/2/1438 29/11/2016	<b>9. Research designs:</b> <ul style="list-style-type: none"> <li>a. Experiments and quasi -experiments: <ul style="list-style-type: none"> <li>- Characteristics of true experiment</li> <li>- Advantages and disadvantages of the experimental approach</li> <li>- Types of quasi-experiments, adv. &amp; disadv.</li> </ul> </li> </ul>	<b>Group Activity (2)</b> <i>Submit 5 articles related to selected research problem</i>
12	7/3/1438 6/12/2016	<ul style="list-style-type: none"> <li>b. Non- experimental research design</li> <li>c. Additional types of research designs:</li> </ul>	<i>Submit aim of the study and related questions, objectives/hypotheses</i>
13	14/3/1438 13/12/2016	<b>10. Research Sampling</b> <ul style="list-style-type: none"> <li>- Probability sampling</li> <li>- Non-probability sampling</li> </ul>	<b>Group Activity (3)</b> <i>Submit problem Statement ( final), design</i>  <i>Sampling Exercise</i>
14	21/3/1438 20/12/2016	<b>MID-TERM (2)</b>	
15	28/3/1438 27/12/2016	<b>11. Data collection Strategies</b> <ul style="list-style-type: none"> <li>- Major Types of Data Collection Methods</li> <li>- Observational methods</li> <li>- Interview and Questionnaires</li> </ul>	<b>Group Activity (4)</b> <i>Submit sampling plan</i>
16	5/4/1438 3/1/2017	<b>12. Analysis of research data</b> <b>13. Interpreting and reporting research result</b> <b>14. Research utilization in nursing field</b>	<b>Research Projects Submission</b>
17		<b>Final Exam</b>	

## STUDENT ACTIVITIES:

### a. Group activities

#### 1. Research Proposal:

5 MARKS

**Due date: 16<sup>th</sup> week of the classes**

*Directions of Research Proposal: Develop a research proposal using the following elements.*

1. **INTRODUCTION:** In a few short paragraphs, describe the background of the issue being investigated. Give a brief rationale for doing the study.
2. **STATEMENT OF THE PROBLEM:** In one or two brief paragraphs describe the problem. Be specific and to the point. What is the issue and why is it important to investigate? Why is this concern for nurses?
3. **DEFINITION OF TERMS:** List any terms, which a reader may need to have clarified, or which might be misinterpreted. Definitions should be operational and each should be stated in one brief sentence. Definitions are needed for each term in the dependent and independent variables.
4. **HISTORY OF THE ISSUE:** If there is a historical evolution to the issue, which may impact on the study, describe it in a few brief paragraphs. Use references as necessary. Order references may be included if appropriate.
5. **REVIEW OF THE LITERATURE:** Describe the literature review. Keep your statements objective and report only what the literature reports on the subject. Limit your review to the past five years, unless there is historical information that is important to include.
6. **PURPOSE OF THE STUDY:** State what you wish the study to accomplish. Indicate why it is important that the issue be examined at this point in time. State this in no more than one paragraph.
7. **RESEARCH QUESTIONS:** You will probably be using research questions rather than research hypotheses. List the research question(s), which you will be investigating. Keep these to one or two and be very specific.
8. **VARIABLES:** List the independent and dependent variables.

9. **METHODOLOGY:** Subjects: Describe who the subjects are and where they are located, but do not name the actual institution or agency.
10. **SAMPLING PLAN:** Indicate how you plan to select the sample of subjects. Be specific.
11. **SUMMARY:** Make a brief summarizing paragraph of the importance of the study, the purpose of the study, any significant historical information, and the most important information noted in the literature. Limit these to one or two paragraphs.

2. **Presentations of Research project:**

**Presentations of Research project will be selected based on Course Calendar.  
Due date: 16<sup>th</sup> week (5 MARKS)**

<i>Criteria for Group Evaluation:</i>	<i>Marks distribution</i>
1. Clarity of presentations	2
2. Quality of Power point display	1
3. Asking focused question from the audience	1
4. Answering questions.	1
<b>Total:</b>	<b>5</b>

**B. INDIVIDUAL CLASS ACTIVITIES:**

- Variables Exercise	2
- References and citation Exercise	2
- Hypothesis Exercise	3
- Sampling exercises	3
<b>Total:</b>	<b>10</b>

Wish you GOOD LUCK ...

**Dr. Hanan Alkorashy**