



**Philadelphia University**  
**Faculty of Nursing**  
**First Semester, 2009/2010**

<b>Course Title: Scientific Research Methods</b>	<b>Course code: 940325</b>
<b>Course Level: 3<sup>rd</sup> year</b>	<b>Course prerequisite(s) and/or corequisite(s): Biostatistics</b>
<b>Lecture Time: Wednesday 4 - 6</b>	<b>Credit hours: 2 Credit hours theory</b>

<b>Name</b>	<b>Office Number and Location</b>	<b>Office Hours</b>	<b>E-mail Address</b>
<b>Prof. Rowaida Al-Maaitah</b>			

**Course Description:**

This course is designed to offer third year nursing students with teaching learning experiences, that help them to value the importance of research in promoting nursing profession. This course introduces the learner to the basic concepts in nursing research and its purposes. It is considered an overview of research steps. It mainly provides an introduction to research proposal writing.

**Course Objectives and Learning Outcomes:**

This course aims at providing student nurses with the necessary knowledge and skills that help in developing research culture among students.

**Learning Outcomes:**

- **Knowledge and understanding**
  - Develop awareness on the importance of research in building nursing knowledge and guiding practice.
  - Discuss the research process and each of its steps.
  - Describe the characteristics of a researchable problem.
  - Recognize how to state research aim, questions and hypotheses.
  - Recognize the different types of research design.
  - Identify different methods of data collection.
  - Recognize sampling technique.

- **Cognitive skills (thinking and analysis).**
  - Explain how to write review of literature
  - Identify the elements of research proposal.
- **Communication skills (personal and academic).**
  - Conceptualize ethics of conducting nursing research.
- **Practical and subject specific skills (Transferable Skills).**

**Textbook:**

Title: Essentials of Nursing Research,

Author: Polit, D & and Beck C.(2006)

Publisher: Jones and Bart Lett. Lippincott William & Wilkins.

<http://www.Philadelphia.edu.io/nursing/resources.html>

### **Teaching Methods:**

Class discussions, Class presentations

### **Evaluation Methods:**

#### **Theory part:**

##### **Exams**

Class participation,  
Written assignments

#### **Practicum part:**

Written assignments, Individual research article critiques and reports, Group research article critiques and reports

### **Course Evaluation**

<b><u>Allocation of Marks</u></b>	
<b>Assessment Instruments</b>	<b>Mark</b>
First examination	<b>20%</b>
Second examination	<b>20%</b>
Class participation	<b>10%</b>
Final Exam (written unseen exam)	<b>50%</b>
Total	<b>100%</b>

*\* Make-up exams will be offered for valid reasons only with consent of the Dean. Make-up exams may be different from regular exams in content and format.*

### **Expectations:**

1. Each student should have an active email and will be responsible to check for updated messages
2. Plagiarizing - the presentation of the words or ideas of another person without proper citation or attribution - is not acceptable, and will receive 0 points for the paper. It is also grounds for failing the course.

(Plagiarism: Unacknowledged direct copying from the work of another person, or the close paraphrasing of somebody else's work. It is called plagiarism and is a serious offence, equated with cheating in examinations. )

### **Course Policies:**

Class participation is an integral part of the student's learning, so class full participation in discussions is expected.

Individual assignments are to be completed alone.

When group assignments are made, each student in the group must have contributed to the project

Papers or assignments submitted after the due date without the permission of the instructor will have 1 point deducted for each late day, including weekend days.

### **Attendance Policy:**

Absence from lectures and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant college/faculty shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

**Course Academic Calendar**  
**Scientific Research Methods**  
**940325**

Monday	Topic	Faculty Member
19/10/2009	Introduction to Nursing Research Comprehending key Concepts in Quantitative and Qualitative Research	Pof. Rowaida Al-Maaitah
26/10/2009	Review of scientific Research	Pof. Rowaida Al Maaitah + Mohammad
2/11/2009	Ethics in Nursing Research	Pof. Rowaida Al Maaitah + Dr. Diala
9/11/2009	Understanding the Research Process	Pof. Rowaida Al Maaitah
16/11/2009	Scrutinizing Research Problems, Research Questions, and Hypotheses	Dr. Aida + Pof. Rowaida Al Maaitah
23/11/2009	Application: Research Problems, Research Questions, and Hypotheses  Literature Review	Pof. Rowaida Al Maaitah
30/11/2009	عطلة عيد الأضحى	
7/12/2009	<b>First Exam</b> (4-5)  Literature Review (5-6)	
14/12/2009	Examining the Conceptual/Theoretical Basis of a Study	Pof. Rowaida Al Maaitah
21/12/2009	Designs for Nursing Research	Pof. Rowaida Al Maaitah
28/12/2009	Using Research in Evidence-Based Nursing Practice	Pof. Rowaida Al Maaitah
4/1/2009	<b>Second Exam</b>	Pof. Rowaida Al Maaitah
11/1/2010	Sampling	Pof. Rowaida Al Maaitah
18/1/2010	Data Collection Methods	Pof. Rowaida Al Maaitah
25/1/2010	Measurements and Data Quality Data analysis	
27/1/2010	<b>Final Exam</b>	



Learn about essentials of nursing research with free interactive flashcards. Choose from 500 different sets of flashcards about essentials of nursing research on Quizlet. Essentials of nursing research. SETS. 208 terms. nursenetwork1. NURSING Research Test 1. Guided by research questions and data | Describes phenomena seeks to test hypothesis | Nursing Research: Methods and Critical Appraisal for Evidence-Based Practice Geri Advanced Practice Nursing: Core Concepts for Professional Role Development, Fourth Edition (Springer Series on Advanced Practice Nursing). 336 Pages • 2009 • 1.18 MB • 6,456 Downloads • New! research into practice are just a few of the challenges discussed. Key features: Essential informa Critical Care Nursing: Monitoring and Treatment for Advanced Nursing Practice. 960 Pages • 2015 • 6.26 MB • 9,776 Downloads • New! Providing an easy-to-use reference, Critical Care Nursing outlines best practice for the assessment N... LWBK131-3938G-FM.[i-xiv]qxd 11/1/08 12:41 PM Page i Aptara (PPG-Quark) seventh edition Essentials of Nursing Research Appraising Evidence for Nursing Practice DENISE F. POLIT, PhD President, Humanalysis, Inc., Saratoga Springs, New York and Adjunct Professor, Griffith University School of Nursing, Gold Coast, Australia. Nursing research is systematic inquiry designed to develop trustworthy evidence about issues of importance to the nursing profession, including nursing practice, education, administration, and informatics. In this book, we emphasize clinical nursing research, that is, research designed to guide nursing practice and to improve the health and quality of life of nurses' clients. Evidence-Based Nursing Nursing Research\*. Notes: Includes bibliographical references and index. Introduction to nursing research in an evidence-based practice environment -- Fundamentals of evidence-based nursing practice -- Key concepts and steps in qualitative and quantitative research -- Reading and critiquing research articles -- Ethics in research -- Research problems, research questions, and hypotheses -- Finding and reviewing research evidence in the literature -- Theoretical and.