|  |  |
| --- | --- |
| **Course Title:** | **Method of Nursing Research and Statistical Analysis** |
| **Course Code:** | **NUR 475** |
| **Program:** | **B. Sc. In Nursing** |
| **Department:** | **Dept. of Nursing** |
| **College:** | **College of Applied Medical Sciences in Al-Dawadmi** |
| **Institution:** | **Shaqra University** |

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# A. Course Identification

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1. Credit hours: 3 credit hours** | | | |  | | | | | | | | | | | | |
| **2. Course type** | | | | | | | | | | | | | | | | |
| **a.** | University | |  | | College | | |  | Department | | | | **X** | Others |  |  |
| **b.** | | Required | | | | **X** | Elective | | |  |  | | | | | |
| **3. Level/year at which this course is offered: Level 7 / 4th Year** | | | | | | | | | | | |  | | | | |
| **4. Pre-requisites for this course** (if any)**:**  **None** | | | | | | | | | | | | | | | | |
| **5. Co-requisites for this course** (if any)**:** | | | | | | | | | | | | | | | | |
| **None** | | | | | | | | | | | | | | | | |

## 6. Mode of Instruction (mark all that apply)

| **No** | **Mode of Instruction** | **Contact Hours** | **Percentage** |
| --- | --- | --- | --- |
| **1** | **Traditional classroom** |  |  |
| **2** | **Blended** | **2 X 15 =30** | **66.7%** |
| **3** | **E-learning** |  |  |
| **4** | **Distance learning** |  |  |
| **5** | **Other** | **1 X 15 = 15** | **33.3%** |

**7. Contact Hours** (based on academic semester)

|  |  |  |
| --- | --- | --- |
| **No** | **Activity** | **Contact Hours** |
| **1** | **Lecture** | **30** |
| **2** | **Laboratory/Studio** | **0** |
| **3** | **Tutorial** | **0** |
| **4** | **Others** (specify) | **15** |
|  | **Total** | **45** |

# B. Course Objectives and Learning Outcomes

|  |
| --- |
| 1. Course Description **This course is designed to assist the student to develop an understanding of the basic principles of research and scientific inquiry including the identification of problem and steps in research methodology in the field of nursing. Also, it introduces the basic concepts, and principles of Statistical methods, methods of data collection, sampling, how to choose them & provides nursing students with competencies necessary to read, evaluate, and interpret findings of nursing research studies. In addition to the use of computers in conducting research project in groups and use of the findings in nursing practice.** |
|  |
| 2. Course Main Objective **The course also provides nursing students with competencies necessary to write a research proposal and to evaluate clinical laboratory research studies**   * + - 1. **Recognize the concept of & demonstrate phases of research in nursing field.**  1. **Develop self- learning skills** 2. **Demonstrate responsibility ,accountability and leadership abilities while working in various setting** 3. **Enhance working with a team a spirit** |
|  |

## 3. Course Learning Outcomes

| **CLOs** | | **Aligned****PLOs** |
| --- | --- | --- |
| 1 | **Knowledge and Understanding** |  |
| 1.1 | Recognize the concept of & phases of research in nursing field. | K1 |
| 1.2 | Recognize the different the types of questions research | K2 |
| 1.3 | Outline the steps of literature review. | K1 |
| 1.4 | describe the types of questions research | K2 |
| **2** | **Skills :** |  |
| 2.1 | Analyze basic concept, scientific principles and techniques in order to carry out nursing research. | S2 |
| 2.2 | Design the principles underlying critical research review | S2 |
| 2.3 | Perform analysis during the research process. | S4 |
| 2... | Demonstrate Searching in electronic databases | S6 |
| **3** | **Values:** |  |
| 3.1 | Use nursing research concepts: as a part of the Nursing program. | C1 |
| 3.2 |  |  |
| 3.3 |  |  |
| 3... |  |  |

# C. Course Content

|  |  |  |
| --- | --- | --- |
| **No** | **List of Topics** | **Contact Hours** |
| 1 | **Introduction to Nursing Research:**  **1. Definition.**  **2. Historical background.**  **3. Importance of Nursing Research.**  **4. Role of Nurses in research.**  **5. Phases of Nursing Research** | 1st & 2nd week |
| 2 | - **The Research Process:**  **1. Identifying nursing research problems.**  **2. Review of related literature.**  **3. Fieldwork.**  **4. Designing Framework.**  **5. Formulating hypothesis.** | 3rd and 4nd week |
| 3 | - **Design & Methodology:**  **1. Quantitative and Qualitative designs.**  **2. Developing Protocols.**  **3. Identifying Population.**  **4. Method Specification.**  **5. Ethical Measures.**  **6. Research Plan Finalization.**  **First Exam** | 5th week -6th week |
| 4 | **The Empirical Phase:**  **1. Methods of collecting data.**  **2. Data Management**  - **The Analytical Phase:**  **1. Methods of Analysis.**  **2. Statistical Treatment.**  **3. Interpreting Results.**  **a. Findings**  **b. Conclusions**  **c. Recommendations** | 7th week -8th , 9th week |
| 5 | - **The Dissemination Phase:**  **1. Communicating Findings**  **2. Utilizing Findings.**  **Second Exam** | 10th week -11th week |
| 6 | - **Discussing Student's Research Literature Review** | 11th, 12th and 13nd week |
| 7 | - **Course Review**  **Final Exam** | 14th week -15th week |
| **Total** | |  |

# D. Teaching and Assessment

## 1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

| **Code** | **Course Learning Outcomes** | **Teaching Strategies** | **Assessment Methods** |
| --- | --- | --- | --- |
| **1.0** | **Knowledge and Understanding** | | |
| 1.1 | Recognize the concept of & phases of research in nursing field. | 1. Active Lecture, moodle lecture   (b) Reading from the textbooks, related articles, medical journals and related websites.  (c) Discussion to enhance their understanding and used to improve students' intellect and skills. | * quiz ,1st & 2nd Mid Written Exam * Home work |
| 1.2 | Recognize the different the types of questions research | * Active Lecture, moodle lecture * Reading from the textbooks, related articles, medical journals and related websites. * Discussion to enhance their understanding and used to improve students' intellect and skills. | * quiz ,1st & 2nd Mid Written Exam * Home work |
| 1.3 | Outline the steps of literature review. | * Active Lecture, moodle lecture * Reading from the textbooks, related articles, medical journals and related websites. * Discussion to enhance their understanding and used to improve students' intellect and skills. | * quiz ,1st & 2nd Mid Written Exam * Home work |
| 1.4 | Describe the types of questions research | * Active Lecture, moodle lecture * Reading from the textbooks, related articles, medical journals and related websites. * Discussion to enhance their understanding and used to improve students' intellect and skills. | * quiz ,1st & 2nd Mid Written Exam * Home work |
| **2.0** | **Skills** | | |
| 2.1 | Analyze basic concept, scientific principles and techniques in order to carry out nursing research. | a) work and Solving problems in small and large groups during tutorial to Increase and enforce Interpersonal Skills  (b) Give students projects on topics related to the subject.  (c) Encouraging students to communicate among themselves under instructor guidance.  (d) Encouraging students to perform a collaborative projects on topics related to the subject.  (e) Developing self-study skills by encouraging students to use internet and library recourses. | * quiz ,1st & 2nd Mid Written Exam * Home work |
| 2.2 | Design the principles underlying critical research review | (a) Use computer technology to get access to the course material.  (b) Using simple terms while conducting lessons.    (c) Using technical words while teaching so that students can get acquainted with scientific terms.  (e) Encourage students to seek help from specialists in the information technology centre.  (f) Encourage students to use "PowerPoint" software to present their duties: papers, research projects... | * quiz ,1st & 2nd Mid Written Exam * Home work |
|  | Perform analysis during the research process. | a) work and Solving problems in small and large groups during tutorial to Increase and enforce Interpersonal Skills  (b) Give students projects on topics related to the subject.  (c) Encouraging students to communicate among themselves under instructor guidance.  (d) Encouraging students to perform a collaborative projects on topics related to the **subject.**  **(e) Developing self-study skills by encouraging students to use internet and library recourses.** | quiz ,1st & 2nd Mid Written Exam  Home work |
| … | Demonstrate Searching in electronic databases | a) work and Solving problems in small and large groups during tutorial to Increase and enforce Interpersonal Skills  (b) Give students projects on topics related to the subject.  (c) Encouraging students to communicate among themselves under instructor guidance.  (d) Encouraging students to perform a collaborative projects on topics related to the subject.  (e) Developing self-study skills by encouraging students to use internet and library recourses. | quiz ,1st & 2nd Mid Written Exam  Home work |
| **3.0** | **Values** | | |
| 3.1 | Use nursing research concepts: as a part of the Nursing program. | a) work and Solving problems in small and large groups during tutorial to Increase and enforce Interpersonal Skills  (b) Give students projects on topics related to the subject.  (c) Encouraging students to communicate among themselves under instructor guidance.  (d) Encouraging students to perform a collaborative projects on topics related to the subject.  (e) Developing self-study skills by encouraging students to use internet and library recourses. | 3.1 |
| 3.2 |  |  |  |
| … |  |  |  |

## 2. Assessment Tasks for Students

| **#** | **Assessment task\*** | **Week Due** | **Percentage of Total Assessment Score** |
| --- | --- | --- | --- |
| **1** | 1st Mid Written Exam | 6-7th | 15% |
| **2** | 2nd Mid Written Exam | 11-12th | 15% |
| **3** | Research | 11th -13th week | 15% |
| **4** | Quizzes | 5th-11th week | 5% |
| **5** | Final Exam | At the end of the semester | 50% |
| **6** |  |  |  |
| **7** |  |  |  |
| **8** |  |  |  |

**\*Assessment task** (i.e., written test, oral test, oral presentation, group project, essay, etc.)

# E. Student Academic Counseling and Support

|  |
| --- |
| **Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :** |
| Sunday 8-10 Am  10 – 12pm  Tuesday 8-10 Am  Wednesday : 8-10 Am |

# F. Learning Resources and Facilities

## 1.Learning Resources

|  |  |
| --- | --- |
| **Required Textbooks** | Burns, N., & Grove, S. K. (2007). Understanding nursing research : building an evidence-based practice (4th ed.). Missouri: Elsevier Saunders |
| **Essential References Materials** | 1. Schneider, Z, Whitehead, D & Elliott, D (ed), 2007, Nursing and Midwifery Research: Methods and Appraisal for evidence-based practice, 3rd ed, Mosby, Sydney. 2. Burns, N., & Grove, S. K. (2007). Understanding nursing research: building an evidence-based practice (4th ed.). Missouri: Elsevier Saunders. 3. Nieswiadomy, R. M. (2002). Foundations of nursing research (4th ed.). Upper Saddle River, New Jersey: Prentice Hall. 4. Polit, D. F., & Beck, C. T. (2004). Nursing research : principles and methods (7th ed.). Philadelphia, PA: Lippincott Williams & Wilkins. 5. Taylor, B. J., Kermode, S., & Roberts, K. L. (2006). Research in nursing and health care: evidence for practice (3rd ed.). South Melbourne, Vic.: Thomson. |
| **Electronic Materials** | Saudi Digital Library: http://sdl.edu.sa/ebsco data base  - HINARI - Health Research int/hinari/en/journals.php,  - Nursing Research and Practice journal http://www.hindawi.com/journals/nrp/  - Nursing Research and Reviews journal http://www.dovepress.com/nursing-research-and-reviews-journal. |
| **Other Learning Materials** | - SPSS program for statistical analysis of the nursing research. |

## 2. Facilities Required

| **Item** | **Resources** |
| --- | --- |
| **Accommodation**  (Classrooms, laboratories, demonstration rooms/labs, etc.) | Lecture Room FD 4 which is enough for 30 students.  Computer Lab 3 |
| **Technology Resources**  (AV, data show, Smart Board, software, etc.) | 1 PC, Data Show & Smart Board in the lecture room |
| **Other Resources**  (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list) |  |

# G. Course Quality Evaluation

| **Evaluation**  **Areas/Issues** | **Evaluators** | **Evaluation Methods** |
| --- | --- | --- |
| Effectiveness of Teaching & assessments | - Faculty Member  - Educational Affairs Unit in the dept.  - Peer Reviewers | - Exam questions corrections  - Homework correction  - Course evaluation survey  - Analysis of course reports & student's results |
| Extent of achievement of course learning outcomes | - Program administrators  - Quality Assurance experts & Reviewers | - Internal reviewing of the course contents, outcomes, reports & student's results. |
| Quality of learning resources |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Evaluation areas** (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

**Evaluators** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

**Assessment Methods** (Direct, Indirect)

# H. Specification Approval Data

|  |  |
| --- | --- |
| **Council / Committee** |  |
| **Reference No.** |  |
| **Date** |  |