



Course Syllabus

One: Basic Information

Faculty	
Name of the Faculty	
Department	Nursing
Semester	Second Semester
Year	2020/2021
Course	
Course Title	Research methods
Course No.	0801381
Credit Hours	3
Prerequisite	0801223)+ (0801286
Instructor	
Name	Dr. Raya Alhusban
Office No.	251
Extension	1773
Email	ralhusban@zu.edu.jo
Office Hours*	Sunday, Tuesday, and Thursday 1-3
Class Time	12-1 pm

* All office hours are held virtually via (MS Teams).

Two: Course Description

This course is designed to offer senior undergraduate nursing students (i.e. third to fourth year) with teaching learning experiences that help them to value the importance of research in promoting nursing profession and improve patients' care. This course introduces the learner to the basic concepts in nursing research and its purposes. It is considered an overview of research steps. It is mainly provides an introduction to research proposal writing and helps students gain analytical ability to critically evaluate and research reports, and use research findings in practice.



Course Title:.....

Course No.:.....

Course Objectives:

1. Describe the role of the professional nurse in knowledge formation.
2. Describe the role of research in the daily nursing practice.
3. Estimate the role of evidence-based practice in daily nursing care.
4. Revise the essential processes of nursing research.
5. Identify the legal and ethical issues in nursing research.
6. Demonstrate critical thinking abilities in evaluating the usefulness of clinical nursing research studies.

Four: Intended Learning Outcomes

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

A. Knowledge and Understanding

1. Describe the significance of nursing research.
2. Examine the history and progress of the discipline in nursing research.
3. Differentiate research from other methods of gaining knowledge.
4. Define basic research terminology.
5. State the relevance of science and the research process to the nursing process.
6. Identify sources of nursing research problems.
7. List the criteria to be considered when writing a problem statement.
8. Discuss the purpose and process of a literature review.
9. Recognize how to state research aim, questions and hypotheses.
10. Recognize the ethical considerations in the conduct of health care research.
11. Recognize the different types of research design
12. Distinguish between probability and non probability sampling procedures.
13. Discuss different data collection methods used in research.
14. Determine the implications of research studies.

B. Intellectual Skills

1. Judge the importance of research to evidence-based professional practice.
2. Explain the steps of the research process.
3. Compare quantitative and qualitative research approaches.
4. Evaluate the findings, conclusions, implications and recommendations of research studies.
5. Employ knowledge of research methodology to analyze studies pertinent to nursing practice.
6. Explore ways to communicate research findings in nursing.
7. Express the benefits of collaborative research for advances in health care.
8. Recognize priority areas for nursing research.



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C. Professional Skills

1. Demonstrate an understanding of research measurements.
2. Display awareness on the importance of research in building nursing knowledge and guiding practice.
3. Use critical thinking to examine research outcomes relevant to nursing practice.
4. Adapt critical thinking skills in class discussion, written assignments, and oral presentations.
5. Display bibliographic skills including the ability to identify and use key resources.

D. Transferable Skills

1. Formulate potential research objectives, questions, and hypotheses.
2. Evaluate the clinical practice based on emerging knowledge from nursing research.
3. Demonstrate competent communication, presentation skills, and group work skills
4. Demonstrate the ability to critically appraise research reports and findings in terms of their merit and probable for utilization.
5. Demonstrate understanding for their future role in utilizing research findings.
6. Verbalize principles of ethical issues involved in conducting and utilizing research findings.

Five: Course Calendar

Day	credit hour	Intended Learning Outcomes	Topic(s)	Teaching Procedure	Learning Activities	Learning Platform
Sunday 21/2 /2021	3 hrs	1. Describe the significance of nursing research	<ul style="list-style-type: none"> • Orientation and introduction to the course The evolution of research in nursing	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Tuesday 23/2/ 2021	3 hrs	2. Examine the history and progress of the discipline in nursing research.	<ul style="list-style-type: none"> • Introduction to nursing research 	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Thursday	3 hrs	Compare	Comparison of	Lecturing with active	Take home	Microsoft



Course Title:.....

Course No.:.....

12/24 2021		between qualitative and quantitative research	qualitative and quantitative research	participation. Problem solving, take home case studies and gaming. Discussion.	case studies & Quizzes EXAMS	teams
Sund ay 28/2/ 2021	3 hrs	Define basic research terminology.	Introduction to quantitative research	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Tues day 2021/3/2	3 hrs	Discuss the steps quantitative research	Steps of quantitative research	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Thur sday 2021/3/4	3 hrs	Define the main concepts and terms in quantitative research	key concepts and terms in quantitative research	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Sund ay 2021/3/7	3 hrs	Practice reading a research report	• Reading research reports	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Tues day 2021/3/9	3 hrs	• Discuss the Phases of research process in quantitative research	• Phases of research process in quantitative research	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Thur sday 11/3/ 2021	3 hrs	• Discuss the Phases of research process in qualitative research	Phases of research process in qualitative research	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Sund ay 14/3/	3 hrs	Formulate potential research	• Qualitative research: purpose and types	Lecturing with active participation. Problem solving, take home case studies and	Take home case studies & Quizzes	Microsoft teams



Course Title:.....

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2021		objectives, questions, and hypotheses		gaming. Discussion.	EXAMS	
Tues day 16/3/ 2021	3 hrs	-Identify sources of nursing research problems -List the criteria to be considered when writing a problem statement	Research problems	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Thur sday 18/3/ 2021	3 hrs	Identify the different types of Research Hypothesis Recognize how to state research aim, questions and hypotheses	Research Hypothesis	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Sund ay 21/3/ 2021	3 hrs	Able to formulate simple hypothesis	Research Hypothesis	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Tues day /3/23 2021	3 hrs	Identify the different types of Research Hypothesis	• Practice activities	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Thur sday 25/3/202	3 hrs	Discuss the purpose and process of a literature review	• Reviewing the literature	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams



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Sunday 28/3/2021	3 hrs	Able to retrieve research article from data base	Practice activities on literature review	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Tuesday 3/30/2021	3 hrs	Recognize the ethical considerations in the conduct of health care research Verbalize principles of ethical issues involved in conducting and utilizing research findings	Ethical issues in conducting nursing research	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Thursday 2021/4/1	3 hrs	Employ knowledge of research design	<ul style="list-style-type: none"> • Mid exam • Understanding quantitative research design (descriptive, correlational, 	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Sunday 2021/4/4	3 hrs	Discuss the different types of experimental design	Experimental design	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Tuesday 2021/4/6	3 hrs		Select a research design	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Thursday 2021/4/8	3 hrs	.7 Express the benefits of different types of research design	Enhancing rigor in quantitative research designs	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes EXAMS	Microsoft teams
Sund	3 hrs	• identify the	• Elements of a	Lecturing with active	Take home	Microsoft



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ay 11/4/ 2021		Elements of a good design	good design	participation. Problem solving, take home case studies and gaming. Discussion.	case studies & Quizzes	teams
Tues day 13/4/ 2021	3 hrs	Discuss the different aspects of True experimental design	True experimental design	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams
Thur sday 15/4 2021/	3 hrs	2 Display awareness on sampling in quantitative research.	Sampling in quantitative research	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams
Sund ay /4/18 2021	3 hrs	.3 Distinguish between probability and non probability sampling procedures	Probability and non-probability sampling techniques	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams
Tues day 20/4 2021/	3 hrs	Discuss the element of Sampling process	Sampling process	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams
Thur sday 22/4/ 2021	3 hrs	Discuss different data collection methods used in research.	Data collection methods	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams
Sund ay 25/4/ 2021	3 hrs	Apply the data collection plan	Implementing a data collection Plan	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams



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Tues day 27/4/ 2021	3 hrs	Discuss the different method of Data collection for qualitative research	Data collection for qualitative research	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams
Thur sday 29/4/ 2021	3 hrs	Demonstrate an understanding of research measurements.	Reliability types and procedures	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams
Sund ay 2021/5/2	3 hrs	.4 Demos trate the ability to critically appraise research reports and findings in terms of their merit and probable for utilization.	Validity types and procedures	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams
Tues day 2021/5/4	3 hrs	.5 Demos trate understanding for their future role in utilizing research findings.	Source of measurement error	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams
Thur sday 2021/5/6	3 hrs	Demonstrate competent in data analysis	Data analysis	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams
Sund ay 2021/5/9	3 hrs	Explore ways to communicate research findings in nursing	Presenting research results	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams



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Tues day 11/5/ 2021	3 hrs	Explore ways to Discus and Interpret research findings	Discussion and Interpretation of research findings	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams
Thur sday 13/5/ 2021	3 hrs	Evaluate the findings, conclusions, implications and recommendatio ns of research studies	Forming conclusions and implications	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams
Sund ay /5/16 2021	3 hrs	Explore ways to Communica research findings	Communicating research findings	Lecturing with active participation. Problem solving, take home case studies and gaming. Discussion.	Take home case studies & Quizzes	Microsoft teams
Tues day /5/18 2021	3 hrs		Students presentation of research project			
Thur sday 20/5/ 2021	3 hrs		Students presentation of research project			
Sund ay 23/5/ 2021	3 hrs		Students presentation of research project			
Tues day 25/5/ 2021	3 hrs		Students presentation of research project			
Thur sday 27/5/ 2021	3 hrs		Students presentation of research project			

Six: Evaluation Methods and Mark Distribution



Course Title:.....

Course No.:.....

Method	Grade	Date	Platform	Assignment
Midterm Exam	%35	Fixed by the Department		
Participation, Presentation, Attendance...etc	%15	During Semester		
Final Exam	%50	Fixed by the Department		

Seven: Texts, Readings, Materials

Textbook: Polit, D., & Beck, C. (2017). Nursing Research: Generating and Assessing Evidence for Nursing Practice (10th Ed.). Philadelphia: Lippincott Williams & Wilkins.

Supplementary Textbook/ Material(s): Nieswiadomy, R.M. (2018). Foundations of Nursing Research (6th ed.). Boston : Pearson

Equipment: Internet Connection, Laptops, and Webcams

Eight: Course Policy and Responsibilities

- All the interactive sessions are held on MS Teams.
- All assignments and exams are held on the Moodle.
- The student shall abide by the time assigned to any assignment on the Moodle.
- The student is held responsible to attend the class on time.
- The student is responsible to look presentable during the virtual meetings.
- The student is entitled to interact and actively participate during the virtual class.
- All the University regulations are applicable in terms of class attendance, absence, and exams.
- The student should maintain a high level of academic integrity; plagiarism and cheating in exams are punishable in accordance with the University's laws and regulation.

Approval	Name	Date	Signature
Department Head	Dr. Ahmad Rayan	20/2/2021	Dr. Ahmad Rayan



Course Title:.....

Course No.:.....

Dean	Dr. Ahmad rayan	20/2/2021	Dr. Ahmad rayan
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