

Faculty of Nursing, Srinakharinwirot University
Draft course syllabus, Bachelor of Nursing Science Program
First semester, Academic year 2020

Course code NID 309
Course name Research in Nursing
Credits 2 (1-2-3)

Descriptions

Concepts, processes, research methodologies, nursing research design, biostatistics and statistic usage in nursing research and conducting basic nursing research projects

General objectives

Students have knowledge and understanding about concepts, processes, research methodologies, updated and relevant research database search, necessary statistics for research, writing a research proposal in group, presenting the research proposal in nursing based on the ethics of researchers and continue to use the research proposal to conduct nursing research.

Expected Learning Outcome

ELO4 Expressing systematic analytical thinking ability

ELO6 Using information and technology appropriately

Course Learning Outcomes/CLOs: At the end of the course, students are able to

CLO	CLOs	LO	ELO
1	explain the concepts of nursing research.	2.2, 2.4, 3.1	4
2	explain the research processes and methodologies.	2.2, 2.4, 3.1, 3.2, 3.5	4
3	explain the population and samples in research.	2.2, 2.4, 3.1, 3.2, 3.5	4
4	identify research tools, verification of research tools and data collection.	2.2, 2.4, 3.1, 3.2, 3.5	4
5	conduct data analysis with basic computer program using biostatistics, descriptive statistics and inferential statistics and interpret the analysis results.	5.1, 5.2, 5.3, 5.4, 5.5	6
6	write the research proposal and present it.	3.1, 3.2, 3.5, 4.2, 4.5	4, 6
7	explain the ethics and qualifications of good	1.1, 1.2, 4.2, 4.4	6

CLO	CLOs	LO	ELO
	researchers by using knowledge and ethics as a base for respecting the value and dignity of humanity.		

Learning activities

1. Participatory lectures, group discussions
2. Analyzing data using basic computer programs and interpreting statistical data.
3. Self-study
4. Searching for information and conducting nursing research in group

Teaching materials

1. Teaching documents
2. PowerPoint
3. Research articles from both national and international research journals
4. Samples of research studies
5. Sample situations related to conducting research from writing the proposal to publication

Assessment

Students must attend 80 percent of the total class time in order to be assessed **and** visit the advisor with the group members every time **and** submit the report as assigned in order to be eligible for evaluation. To pass the course, the raw score must be at least 60 percent, or C grade

1. Written exams:	60%
1 st time: 34 items	34 %
2 nd time: 16 items	26 %
2. Research proposal (group work)	25%
2.1 Research proposal (NID 309-1 assessment form)	15%
2.2 Presentation of research proposal (NID 309-2 assessment form)	10%
3. SPSS program practice record sheet	15%
3.1 NID 309-3 assessment form	15%
4. Morality, ethics, interpersonal relationships	5%
3.1 Lecturer (NS 237-238 assessment form)	2.5%
3.2 Students (NS 237-238 assessment form)	2.5%

Content

Unit 1: Nursing research concepts	2 hrs.
Unit 2: Research processes and methodologies	4.30 hrs.
Unit 3: Population and sampling	2 hrs.
Unit 4: Research tools, data collection and measurement	4 hrs.
Unit 5: Data analysis and interpretation	10 hrs.
Unit 6: Writing research proposal and research report	2.30 hrs.
Unit 7: Writing research proposal	16 hrs.
Unit 8: Presentation of research proposal	4 hrs.
	Lecture 15 hrs.
	Practice 30 hrs.

เอกสารประกอบการเรียนการสอน

- บุญใจ ศรีสถิตย่นรากร. (2553). **ระเบียบวิธีวิจัยทางพยาบาลศาสตร์**. กรุงเทพฯ: ยูแอนด์ไออินเตอร์ มีเดีย.
- ปาริชาติ โรจน์พลากร-ก๊วย และยวดี ภาขา. (2556). **สถิติสำหรับงานวิจัยทางการแพทย์และการใช้โปรแกรม SPSS for Windows**. กรุงเทพฯ: ภาควิชาพยาบาลศาสตร์ คณะแพทยศาสตร์ โรงพยาบาลรามาธิบดี มหาวิทยาลัยมหิดล.
- มนัส สุวรรณ. (2556). **ระเบียบวิธีวิจัยทางสังคมศาสตร์และมนุษยศาสตร์**. กรุงเทพฯ : โอเดียนสโตร์
- รัตน์ศิริ ทาโต. (2561). **การวิจัยทางการแพทย์ศาสตร์: แนวคิดสู่การประยุกต์ใช้** (ฉบับปรับปรุง). กรุงเทพมหานคร: โรงพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย.
- ศิริพร จิรวัดนกุล. (2555). **การวิจัยเชิงคุณภาพทางการแพทย์ : ระเบียบวิธีวิจัยและกรณีศึกษา**. กรุงเทพฯ : วิทยพัฒน์.
- สิน พันธุ์พินิจ. (2553). **เทคนิคการวิจัยทางสังคมศาสตร์**. กรุงเทพฯ: วิทยพัฒน์.
- สมชาย วรภิเษมสกุล. (2554). **ระเบียบวิธีการวิจัยทางพฤติกรรมศาสตร์และสังคมศาสตร์**. โครงการตำราฉลองพระชนมพรรษา 84 พรรษา คณะครุศาสตร์ มหาวิทยาลัยราชภัฏอุดรธานี.
- Best, J.W. & Kahn, J.V. (2006). **Research in Education**. New Delhi: Prentice Hall of India.
- Burns, N. & Grove, S.K. (2005). **The practice of nursing research: conduct, critique and utilization** (5th ed.). Philadelphia: W.B. Saunders.
- Burn, N & Grove, S.K. (2017). **The Practice of Nursing Research: Appraisal, Synthesis, and Generation of Evidence** (8th ed.). Missouri: Elsevier.
- Marilynn, J.W. & Janet, C.R. (2011). **Basic steps in planning nursing research: from question to proposal** (7th ed.). Massachusetts: Jones and Bartlett.

- Polit, D.F. & Beck, C.T. (2010) **Essentials of Nursing Research: Appraising Evidence for Nursing Practice. (7th ed.)**. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins, Roger, W. et al. (2008). **Nursing research: designs and methods**. Edinburgh: Churchill Livingstone.

Faculty of Nursing, Srinakharinwirot University

Timetable: NID 309 Research in Nursing

Bachelor of Nursing Science Program, Third year students, Summer Semester, Academic
Year 2020

No	Unit/topic	Teaching and learning activities and materials	Assessment
1 30 mins	Orientation	- Informing the information of the course	Inquiring to ensure understanding
1 2 hrs.	Unit 1 Nursing research concepts 1.1 Definition of research 1.2 Types and characteristics of research 1.3 Objectives of research 1.4 Methods of seeking knowledge 1.5 Benefits of research 1.6 Qualifications and ethics of researcher	- Lecture - Samples of research studies - Discussion	-MCQ 8 items
2 2.30 hrs.	Unit 2 Research processes and methodologies 2.1 Research processes 2.2 Determination of research problems 2.3 Review of literature / related research and the use of nursing empirical evidence 2.4 Conceptual framework 2.5 Determination of research objectives	- Lecture - Samples of research studies - Discussion	-MCQ 10 items
3 2 hrs.	Unit 2 Research processes and methodologies (continued) 2.6 Research hypothesis 2.7 Determination of research variables	- Lecture - Samples of research studies - - Discussion	-MCQ 8 items

No	Unit/topic	Teaching and learning activities and materials	Assessment
2 hrs.	Meeting with the lecturer for the 1 st time	- Practicing writing and developing research proposal	
4 2 hrs.	Unit 3 Population and sampling 3.1 Population 3.2 Concepts and sampling 3.3 Probability and non-probability sampling techniques 3.4 Determination of sample size 3.5 Sampling methods 3.6 Error in sample selection	- Lecture - Samples of research studies - Discussion	-MCQ 8 items
45 mins	1st written exam: Unit 1-3	- 1 st written exam	MCQ 34 items
5 2 hrs.	Unit 4 Research tools, data collection and measurement 4.1 Variables and levels of measurement 4.2 Variables and measurements of quantitative and qualitative data 4.3 Tools for measuring and collecting data	- Lecture - Samples of research studies - Discussion	-MCQ 8 items
5 2 hrs.	Unit 4 Research tools, data collection and measurement (continued) 4.4 Process of creating measuring tools 4.5 Quality verification of tools	- Lecture - Samples of research studies - Discussion	-MCQ 8 items
2 2 hrs.	Meeting with the lecturer for the 2 nd time	- Practicing writing and developing research proposal	
3	Unit 5 Data analysis and interpretation	- Lecture and	Inquiring / practice

No	Unit/topic	Teaching and learning activities and materials	Assessment
4 hrs.	5.1 Data analysis processes 5.2 Statistics used in research	practice - Sample data - SPSS program	skills
45 mins	1st retaking exam	- Retaking exam	MCQ 34 items
4 4 hrs.	Unit 5 Data analysis and interpretation (continued) 5.3 Inferential statistics - Chi-square - t-test, ANOVA, Pearson product moment correlation, simple regression and multiple regression. 5.4 Statistical hypothesis 5.5 Interpretation and summary of research results		
Practice 5 3 hrs.	Meeting with the lecturer for the 3 rd time	- Practicing writing and developing research proposal	
Practice 6 2 hrs.	Unit 5 Data analysis and interpretation (continued) -Management of sample data and presentation of analysis results using SPSS program - Analysis of sample data with descriptive statistic and inferential statistic	- Practical test	-Worksheet: 9 items (NID 309-3)
Practice 7 3 hrs.	Unit 7 Writing research proposal 4th time: Meeting with the lecturer to present the research proposal progress	-Self-study -Counseling	- Presenting research proposal progress according to the work plan
2.30 hrs.	Unit 6 Writing research proposal and	- Lecture	-MCQ 10 items

No	Unit/topic	Teaching and learning activities and materials	Assessment
	research report 6.1 Important topics in the writing of nursing research proposal using knowledge base 6.2 Writing research reports 6.3 Writing reference and bibliography based on international principles with EndNote	- Samples of research studies - Discussion	
(30 mins)	2nd written exam: Unit 4 and 6	- MCQ test	MCQ 26 items
Practice 8 3 hrs.	Unit 7 Writing research proposal 5 th time: Meeting with the lecturer to present the research proposal progress	- Self-study together with counseling	- Presenting research proposal progress according to the work plan
	2nd retaking exam (30 mins)	- MCQ	MCQ 26 items
Practice 9 3 hrs.	Unit 7 Writing research proposal 6 th time: Meeting with the lecturer – presenting the research proposal progress	- Self-study together with counseling	- Presenting research proposal progress
Practice 10: 4 hrs.	Unit 8 Presentation of research proposal	- Presenting research proposal	- NID 309-1 - NID 309-2