

Faculty of Nursing, Prince of Songkla University

Course Syllabus

Section 1: General Description

1. Code and Course Title    642-513 Research and Research Utilization
2. Credit                            2 (1-2-3)  
Lecture/Discussion        15 hours, Lab/Practice 30 hours, self-study 45 hours
3. Program                        Master of Nursing Science (International Program)
4. Course Coordinator        Assist Prof. Dr. Luppana Kitrungrate  
Coordinator Assistant    Assist. Prof. Dr. Jintana Damkliang
5. Semester/ Year/ Academic Year: Semester 1/2020
6. Room: The 3 rd Building, third floor, Room 3410, Faculty of Nursing

Section 2: Course Objectives

1. Course Objectives

After completion of this course, students will be able to:

- 1.1 Describe the principle of research proposal development, quantitative and qualitative research design and methodology.
- 1.2 Describe quality and validity of research.
- 1.3 Analyze and appraise research in order to apply nursing research utilization.
- 1.4 Develop the proposal based on the standard and ethics of nursing research.
- 1.5 Write tentative research proposal by integrating knowledge relating to nursing research methodology and research questions.

2. Objectives of a course revision

Redesign by reorganizing the content sequences and integrating with the course of statistics for Nurse. Provide the online and classroom learning and revise learning activities and evaluation in order to promote the students' skills in the 21<sup>st</sup> century and thesis development.

Section 3: Course Description and Design

1. Course Description

Principle of research proposal development; quantitative and qualitative research design and methodology; quality and validity of research; research critique and appraisal; ethics in conducting research; research utilization

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## 2. Number of Hours per Semester

Lecture/Discussion	Lab	Self-study	Field Practice	Tutorial
15	30	45	-	-

## 3. Number of Hours per Week for Consultation

## 3.1 Hours assigned for individual consultation

Name/ email-address	Week	Date	Hour	Room
Assist. Prof. Dr. Luppana Kitrungrrote (Luppana.k@psu.ac.th) Tel: 074-286515	1-5	Monday	8.00-9.00	2 <sup>nd</sup> Building R. 2217
Assist. Prof. Dr. Jintana Damkliang (jintana.d@psu.ac.th) Tel: 074-286513	6-10	Tuesday	8.00-9.00	2 <sup>nd</sup> Building R. 2213

## 3.2 Hours assigned for group consultation/discussion at LMS2@PSU 1 hour/week

## Section 4: Learning Outcomes

## 1. Morality and Ethics

Learning Outcomes	Learning Methods	Evaluating Methods
1.3 Possess ethical behaviors in conducting research and academic work.	-Lecture and discussion via online and LMS2 @ PSU -Analysis relating to ethical issues in conducting research - Writing informed consent in a research proposal -Self-study about CITI program	-Checking plagiarism of research proposal with Turnitin program -Report -receive certificate from CITI program

## 2. Knowledge

Learning outcomes	Learning Methods	Evaluating Methods
2.1 Describe the concepts of nursing science related to research topics of interest, eastern wisdom and related sciences such as literature review, knowledge of research	- Lecture and discussion in classroom, online and LMS2 @ PSU - Exercise - Assignment	-Report

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Learning outcomes	Learning Methods	Evaluating Methods
methodology and using evidence-based nursing for research.		

### 3. Cognitive Skills

Learning outcomes	Learning Methods	Evaluating Methods
3.1 Analyze and synthesize knowledge from nursing science and related sciences. 3.2 Integrate knowledge from nursing theory, literature review, research methodology, eastern wisdom and related sciences such as the use of evidence to solve nursing problems through research process.	- Lecture and discussion in classroom, online and LMS2 @ PSU - Appraisal nursing research article - Writing research proposal - Assignment - Exercise	-Report

### 4. Interpersonal Skills and Responsibility

Learning outcomes	Learning Methods	Evaluating Methods
4.3 Demonstrate responsibility in self-directed learning and development	- Writing research proposal under advisor supervision -Participation in learning online and LMS2@psu	- advisors' observation - participation observation

### 5. Numerical Analysis, Communication and Information Technology Skills

Learning outcomes	Learning Methods	Evaluating Methods
5.1 calculate and analyze sample size and qualities of research instruments 5.3 Use modern digital technology for self-studying and communicate information of	- Lecture and discussion in classroom, online and LMS2 @ PSU - Assignment - Exercise - Appraisal nursing	- Report - Presentation observat

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Learning outcomes	Learning Methods	Evaluating Methods
academic work.	research article - Writing research proposal - Presentation appraisal nursing research article and research proposal	

### Section 5: Course Plan and Evaluation

#### 5.1 Course Plan (Schedule)

Room: 3410

Week & Date	Time (Duration)	Topic	Learning activities	Lecturer
Wk 1/ 14 July 2020	9.00-9.15 am	Course orientation	- Lecture and discussion (In classroom and LIVE Online)	- Assist. Prof. Dr. Luppana Kitrungrote - Assist. Prof. Dr. Jintana Damkliang
	<b>Unit 1: Overview of Nursing research</b>			
	9.15-10.15 am (D 1)	1. Introduction to nursing research 1.1 Importance of research to evidence-based nursing 1.2 Future directions for nursing research 1.3 Paradigms and methods for nursing research 1.4 The purposes of nursing research	- Discussion (In classroom and LIVE Online) -Participation	Assist. Prof. Dr. Luppana
	10.15-11.00 am (L 1)	Exercise: Trends in nursing research: how it links to global healthcare issues?	- Exercise (1) (In classroom and LIVE Online)	Assist. Prof. Dr. Luppana
	11.00-12 am (D 1)	2. Concepts and steps in quantitative and qualitative research	- Discussion (In classroom and LIVE Online)	Assist. Prof. Dr. Luppana

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Week & Date	Time (Duration)	Topic	Learning activities	Lecturer
		2.1 Characteristics of quantitative research 2.1.1 Steps in quantitative research 2.1.2 Concepts, constructs and theories 2.1.3 Variables 2.1.4 Conceptual and operational definition 2.1.5 Data of quantitative research	-Participation	
	1.00-2.00 pm (D 1)	2.2 Characteristics of qualitative research 2.2.1 Disciplinary traditions of qualitative research 2.2.2 Steps in qualitative research 2.2.3 Data of qualitative research	- Discussion (In classroom and LIVE Online) -Participation	Assoc. Prof. Dr. Waraporn Kongsuwan
Wk 2/ 21 July 2020	9.00-10.00 am (D 1)	3.Ethic in research 3.1 Historical background of research and codes of ethics 3.2 Ethical dilemmas in conducting research 3.3 Ethical principles in research 3.4 Procedures for protecting study participants 3.5 Writing informed consent	- Discussion (In classroom and LIVE Online) -Participation	Assist. Prof. Dr. Chantra Promnoi
	10.00-12.00 am (L 2)	Exercise: Writing informed consent	-Exercise (2) (In classroom and LIVE Online)	Assist. Prof. Dr. Chantra

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Week & Date	Time (Duration)	Topic	Learning activities	Lecturer
<b>Unit 2: Steps in Conducting Nursing Research</b>				
wk2/ 21 July 2020	1.00-2.00 pm  (D 1)          2.00-3.00 pm (L 1)	4. Research problems, research questions, and hypotheses 4.1 Research problems and paradigms 4.2 Sources of research problems 4.3 Development research problems 4.4 Statements of purpose 4.5 Research questions and research hypotheses 4.6 Relationship between research question and research methodology	- Discussion (In classroom and LIVE Online) - Participation	Assist. Prof. Dr. Charuwan Kritpracha
<b>Wk3/ 28 July 2020 Holiday (H.M The King's birthday)</b>				
Wk 4/ 4 Aug 2020	9.00-11.00 am (D 2)	5. How to conduct and write review as a catalyst for further research 5.1 The definition of a literature review 5.2 Purposes of literature review 5.3 Strategies to find and gather relevant evidence for a literature review 5.4 Types of literature review 5.5 Sources of evidence 5.6 Conducting a literature review: The literature review process 5.7 Systematic reading of the literature 5.8 Appraising and grading the Evidence	- Discussion (In classroom and LIVE Online) - Participation	Assist. Prof. Dr. Khomapak Maneeawat

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Week & Date	Time (Duration)	Topic	Learning activities	Lecturer
	11.00-12.00 am and 1.00-3.00 pm (L 3)	Assignment: conducting and appraising a literature review	- Assignment (1)	Assist. Prof. Dr. Khomapak
Wk5/ 11 Aug 2020	**8.00-9.00 am** (D 1)	5.9 Evaluate/synthesis/analysis topics related to research question	- Discussion (In classroom and LIVE Online) -Participation	Assist. Prof. Dr. Khomapak
	9.00-12.00 am (L 3)	Assignment: the literature review and a checklist	-Assignment (2)	Assist. Prof. Dr. Khomapak
	1.00-2.00 pm (L1)	<i>1<sup>st</sup> Meeting with the advisor (research title, research problem, research questions, hypotheses, and scoping of literature review)</i>	<i>Discussion</i>	<i>Advisors</i>
Wk6/ 18 Aug 2020	9.00-10.00 am (D 1)	7.Theoretical and conceptual frameworks 7.1 Characteristics of theories, models, and frameworks 7.2 Conceptual models and theories used in nursing research 7.3 Using a theory or framework in research	-Discussion (In classroom and LIVE Online) -Participation	Assist. Prof. Dr. Charuwan
	10.00-12.00 am (L 2)	Writing conceptual framework	-Exercise (3) (In classroom and LIVE Online)	Assist. Prof. Dr. Charuwan
<b>Unit 3: Designs and Methods for Quantitative Nursing Research</b>				
Wk6/ 18 Aug 2020	1.00-2.00 pm (D 1)	8. Quantitative research design 8.1 Overview of research design issues	-Discussion (In classroom and LIVE Online) -Participation	Assist. Prof. Dr. Charuwan

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Week & Date	Time (Duration)	Topic	Learning activities	Lecturer
		8.1.1 Experimental, quasi-experimental, and nonexperimental designs 8.1.2 The time dimension in research design 8.1.3 Techniques of research control 8.1.4 Characteristics of good design (validity)		
	2.00-4.00 pm (L 2)	Exercise: Writing quantitative research design	-Exercise (4) (In classroom and LIVE Online)	Assist. Prof. Dr. Charuwan
Wk7/ 25 Aug 2020	**8.00-9.00 am** (L1)	<i>2<sup>nd</sup> Meeting with the advisor (literature review, research framework, definition of term, research scoping, and research design)</i>	-Discussion	Advisors
	9.00-10.00 am (D 1)	8.2 Sampling in quantitative research 8.2.1 Basic sampling concept (populations, samples and sampling) 8.2.2 Sampling design 8.2.3 Sample size	- Discussion (In classroom and LIVE Online) -Participation	Assist. Prof. Dr. Chantra
	10.00-12.00 am (L 2)	Exercise: Sampling design and sample size	-Exercise (5) (In classroom and LIVE Online)	Assist. Prof. Dr. Chantra
	1.00-2.00 pm (D 1)	8.3 Instruments and data collection 8.3.1 Instrument design 8.3.2 Data collection 8.3.3 Quality of instruments	- Discussion (In classroom and LIVE Online) -Participation	Assist. Prof. Dr. Aporn tip Boupeetch

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Week & Date	Time (Duration)	Topic	Learning activities	Lecturer
	2.00-5.00 pm (L 3)	Assignment: Data collection	-Assignment (3)	Assist. Prof. Dr. Aporntip
<b>Unit 4: Statistical Analysis and Data Interpretation Quantitative research</b> (Teaching in the Statistics for Nurses Course) Lecture 15 hours and Lab 30 hours 1 <sup>st</sup> September – 27 <sup>th</sup> October 2020 (9 weeks)				
<b>Unit 5 Analysis in Quantitative Research</b>				
Wk 8 / 3 Nov 2020	8.00-10.00 am (L2)	Presentation: Appraisal a quantitative research and submission report	-Individual Presentation -Participation (In classroom and LIVE Online) -submit report	Assist. Prof. Dr. Luppana Assist. Prof. Dr. Jintana Assist. Prof. Dr. Waraporn
<b>Unit 6: Research Methodology: Qualitative Research</b>				
Wk 8 / 3 Nov 2020	10.00- 12.00 am (D 2)	9. Qualitative research methodology 9.1 The design of qualitative research 9.2 Qualitative research traditions 9.2.1 Ethnography 9.2.2 Phenomenology 9.2.3 Grounded theory 9.3 Other types of qualitative research 9.4 Sampling and data collection 9.5 Analysis of qualitative data 9.6 Trustworthiness and integrity in qualitative research	- Discussion (In classroom and LIVE Online) -Participation	Assoc. Prof. Dr. Waraporn
	1.00-4.00 pm (L 3)	9. Qualitative research methodology -Assignment: data collection and analysis	-Assignment (4)	Assoc. Prof. Dr. Waraporn

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Week & Date	Time (Duration)	Topic	Learning activities	Lecturer
<b>Unit 7: Research methodology: Mix method</b>				
Wk9/ 10 Nov 2020	9.00-10.00 am (D1)	10. Mixed methods research 10.1 Purpose and application of mixed method research 10.2 Mixed method designs and strategies	- Discussion (In classroom and LIVE Online) -Participation	Assist. Prof. Dr. Jinatana
	10.00-12.00 am (L2)	<i>3<sup>rd</sup> Meeting with the advisor (Research design, population and sample, instruments, ethical considerations, and data analysis)</i>	<i>Discussion</i>	<i>Advisors</i>
	1.00 -4.00 pm	Self-study and preparation of research proposal presentation	Self-study	-
Wk10/ 17 Nov 2020	9.00-11.00 am (L2)	Presentation: Research proposal	-Individual Presentation -Participation (In classroom and LIVE Online)	Assist. Prof. Dr. Luppana Assist. Prof. Dr. Jintana Assoc. Prof. Dr. Waraporn
Wk10/ 20 Nov 2020	9.00 am	-Submission research proposal report -Course evaluation	-Submit report	Assist. Prof. Dr. Luppana Assist. Prof. Dr. Jintana

**Note:** D = Discussion duration, L = Lab duration (participation, exercise, assignment), S = Self-study duration

### 5.2 Evaluation Plan of the Learning Outcomes

Learning Outcomes	Methods of Evaluation	Week	Weight (%)
1.3, 2.1, 3.1,3.2,5.1,5.3	- Four assignment works (5 % for each assignment)	4,5,7,8	20
	- Five exercises (3% for each exercise)	1,2,6,7	15
1.3, 3.1, 3.2, 5.1, 5.3	- Report of research proposal	10	25

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Learning Outcomes	Methods of Evaluation	Week	Weight (%)
1.3, 3.1, 3.2, 5.1, 5.3	- Report of research appraisal	8	15
5.1, 5.3	-Oral presentation of research appraisal	8	5
5.1,5.3	-Oral Presentation of research proposal	10	5
4.3	-Self-study process and meeting assigned advisor	5,7,9	10
4.3	-Participation	1-10	5

**Note:** 1) Any incoming doubts or queries about the course evaluation and grading will be welcome, please email or contact a course coordinator with this semester or one semester following of this semester.

### Section 6: Learning Resources

#### 6.1 Required Textbooks/ Books

Gray, J. R., Grove, S. K., Sutherland, S. (2017). *Burns and Grove's the practice of nursing research: Appraisal, synthesis, and generation of evidence* (8th ed.). St. Louis, MO: Elsevier.

Grove, S. K., Gray, J. R., & Burns, N. (2015). *Understanding nursing research: Building an evidence-based practice* (6th ed.). St. Louis, MO: Elsevier Saunders.

Holloway, I., & Galvin, K. (2017). *Qualitative research in nursing and healthcare* (4th ed.). Chichester, UK: Wiley-Blackwell.

Polit, D. F., & Beck, C. T. (2017). *Nursing research: Generating and assessing evidence for nursing practice* (10th ed.). Philadelphia, PA: Wolters Kluwer.

Polit, D. F., & Beck, C. T. (2018). *Essentials of nursing research: Appraising evidence for nursing practice* (9th ed.). Philadelphia, PA: Lippincott Wolters Kluwer.

#### 6.2 Suggested Books and Other Resources

##### 6.2.1 Books

Boswell, C. & Cannon, S. (2020). *Introduction to nursing research: incorporating evidence-based practice*. (5th ed.). Burlington, MA: Jones & Bartlett Learning

Dazin, N. K., & Lincoln, Y. S. (2013). *The landscape of qualitative research* (4th ed.). Los Angeles: SAGE.

Cohen, J. (1988). *Statistical power analysis for the behavioral sciences* (2nd ed.). Hillsdale, NJ: Lawrence Erlbaum Associates.

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- Frank-Stromborg, M. & Olsen, S. J. (2004). *Instrument for clinical health-care research*. Sudbury, MA: Jones and Barlett.
- Polit, D. F., & Beck, C. T. (2012). *Nursing research: Principles and methods* (9th ed.). Philadelphia, PA: Lippincott.
- Strauss, A., & Corbin, J. (1998). *Basics of qualitative research* (2nd ed.). Newbury Park, CA: SAGE.

#### 6.2.2 Websites

- The Joanna Briggs Institute (JBI): <http://www.joannabriggs.edu.au>
- The Cochrane Collaboration: <http://www.thecochranelibrary.com>
- NICE: <http://www.nice.org.uk>
- National Guideline Clearinghouse: <http://www.guide.gov>

#### Executive Notes:

1. A Guideline for evaluation/appraisal of nursing research and a form of GS 01-35 for research proposal are posted in LMS2 @ learning of this course.

2. The meeting schedules can be changed flexibly depended on student and assigned advisor. Meeting outcomes, work progress, and responsibility learning behaviors will be documented by your advisor and will further report to the course coordinator for evaluating the final evaluation of the course.

3. **PLAGIARISM:** The use of published or unpublished work or specific ideas of another person without giving proper credit to that person is considered UNETHICAL writer. Demonstrating plagiarizing behavior of the students of Prince of Songkla University is prohibited and will result in serious academic consequences. Therefore, ensure you make your own contents analyzed and synthesized from the coming literature review – *Beware of PLAGIARISM & very strict penalty policy*. The students can use the **Turnitin program** software to scan plagiarism of your report before submission. It is a student responsibility to adhere to graduate school and PSU university policy and procedures for academic misconduct as follows:

Step 1: At the first time, the student will be given a verbal or written warning from the advisor and/or course coordinator after they found plagiarism in the student's draft report.

Step 2: The student's report score will be deducted 20 % after the advisor and/or course coordinator found the plagiarism in the student's original report. Then, the

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student has to revise a report and submitted again. If no plagiarism is found, the student's report score is not exceed grade B

Step 3: If the report revised is found to be copied. The student's report score will be deducted 40 %. When the student revises the report, its score will be no more than grade C

Step 4: After the student edited, the plagiarism is found. The students will be receive grade F (Fail) in this course.

4. It is student's responsibility and passion in creating the progress of your work. It does student's responsibility and accountability to best understand the common knowledge used in conducting the literature review and writing academic reports such as citation methods and referencing system, and format of the report etc.

### **The regulations of giving feedback to graduate students**

According to the consensus of the graduate committee in the meeting 2/2017 on February 6, 2017, Faculty of Nursing, the regulations of giving graduate students feedback about their assignments/paper are as follows;

1. The lecturers must give feedback within 1-2 weeks after students have submitted their assignments/paper.

2. The students must submit the last assignments/paper before due date, so that the lecturers can be read and reviewed before giving feedback. The students will get feedback after their presentation of the final assignments/paper in classroom.

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