

## 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
3. Program Master of Nursing Science (International Program)
4. Course Coordinator Assist Prof. Dr. Luppana Kitrungrrote  
Coordinator Assistant Assist Prof. Dr. Wipa Sae-Sia
5. Semester/ Year/ Academic Year: Semester 1/2017
6. Classroom Room 3409, the 3rd Building

## Section 2: Course Objectives

## 1. Course Objectives

After completion of this course, students will be able to

- 1.1 Describe the importance of nursing research and nursing research process.
- 1.2 Analyze quantitative and qualitative research design by taking into account in each step of nursing research methodology correctly and appropriately with given scenarios.
- 1.3 Analyze and appraisal the research to improve the quality of specialize nursing practice and research utilization correctly.
- 1.4 Analyze ethical issues in conducting nursing research appropriately.
- 1.5 Develop proposal by integrating knowledge of research methodology for nursing research appropriately and relating to research questions studied.

## 2. Objectives of a course development

To be consistent with the learning outcomes of students in the Master of Nursing Science Curriculum (2016)

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## Section 3: Course Description and Design

## 1. Course Description

Nursing phenomenon, nursing knowledge development and nursing research, quality and validity of research, quantitative and qualitative research design and methodology proposal development, analysis and evaluation of research study, research ethics, and research utilization.

## 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)	1-8	Monday	8.00-9.00	1 <sup>st</sup> Building R. 1112 A
Assist. Prof. Dr. Wipa Sae-Sia (Wipa.sa@psu.ac.th)	9-17	Tuesday	8.00-9.00	2 <sup>nd</sup> Building R. 2219

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

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## Section 4: Learning Outcomes

1. Morality and Ethics
  - 1.3 Demonstrate ethical standard in conducting research and academic work
2. Knowledge
  - 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 methodology and using evidence-based nursing for research.
3. Cognitive Skills
  - 3.1 Analyze and synthesize knowledge from nursing science and related sciences.
  - 3.2 Integrate knowledge from nursing theory, literature review, research methodology of eastern wisdom and related sciences such as the use of evidence to solve nursing problems through research process for providing patients/clients' holistic nursing care and management.
4. Interpersonal Skills and Responsibility
  - 4.3 Demonstrate responsibility in self-learning and development as well as profession and society by continuous using the research findings and evidence to provide nursing practice recommendations and taking into account the benefit of mankind and cultural diversity.
5. Numerical Analysis, Communication and Information Technology Skills
  - 5.1 Screen quantitative data and use statistics for studying, analyzing, summarizing and suggesting to solve problems in conducting nursing research.
  - 5.3 Use modern information technology for self-study and communicate information and results of the study by academic work presentation.

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## Section 5: Course Plan and Evaluation

## 5.1 Course Plan (Schedule)

Week/ Date	Time (Duration)	Topic	Teaching/learning	Lecturer
1 Aug 15, 2017	8.30-9.00 a.m.	Course orientation Pre-test	-Discussion -Assignment for student to write the research topic interested	Assist. Prof. Dr. Luppana Kitrungrrote
	9.00-10.00 a.m. (D 1)	1. Concept and principle of statistical 1.1 Significance and nursing knowledge development 1.2 Nursing research direction	Discussion/ Participation in LMS@PSU	Assist. Prof. Dr. Vineekam Kongsuwan
	10.00-11.00 a.m. (L 1)	2. Nursing research process and proposal development 3. Guideline to develop a research proposal using GS 01-35		
	11.00-12.00 a.m. (L 1)	<i>1 st Meeting with advisor to discuss about the research topic interested</i>	Discussion	-Assist. Prof. Dr. Luppana -Assist. Prof. Dr. Wipa -Assist. Prof. Dr. Hathairat -Dr. Jintana -Assoc. Prof. Dr. Waraporn -Assoc. Prof. Dr. Kittikom -Assist. Prof. Dr. Tippamas -Assist. Prof. Dr. Kantaporn
Aug 16, 2017	1.00-4.00 pm (S3)	Self-study		
2 Aug 22, 2017	8.00-9.00 a.m. (D 1)	4. Identification of research questions and objectives 4.1 Principles and significance of research problem 4.2 Stating research questions and objectives	Discussion/ Participation in LMS@PSU	Assist. Prof. Dr. Aporntip Buapeth

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Week/ Date	Time (Duration)	Topic	Teaching/learning	Lecturer
	9.00-12.00a.m. (L 3)	4.3 Exercise 1: Analyze and write research background, research objectives and questions 4.4 Q& A: research questions and objectives related to the students' research proposal  <u>1<sup>ST</sup> WORK ASSIGNMENT(TOPIC 4)</u>	Exercise	Assist. Prof. Dr. Aporn tip
Aug 23, 2017	1.00-4.00 pm (S3)	Self-study		
3 Aug 29, 2017	8.00-9.00 a.m. (D1)  9.00-12.00a.m. (L 3)	5. Research framework and literature review 6. Variables and research hypothesis 6.1 Variables: Definition and levels of measurement 6.2 Statements of hypothesis 6.3 Exercise 2: Analyze and write research hypothesis, and define variables 6.4 Q & A : research hypothesis, and define variables related to students' research proposal	Discussion/ Participation in LMS@PSU  Exercise	Assist. Prof. Dr. Aporn tip  Assist. Prof. Dr. Aporn tip
Aug 30, 2017	1.00-4.00p.m. (S3)	Self-study		
4 Sep 5, 2017	9.00-12.00a.m. (L3)	- 2nd Meeting with the advisor: <i>present the progress of research proposal including research topic, background and significance of problem, research questions and objectives, conceptual framework, hypothesis, definition of terms</i>	Discussion	-Assist. Prof. Dr. Luppana -Assist. Prof. Dr. Wipa -Assist. Prof. Dr. Hathairat -Dr. Jintana -Assoc. Prof. Dr. Waraporn -Assoc. Prof. Dr. Kittikom -Assist. Prof. Dr. Tippamas -Assist. Prof. Dr. Kantaporn

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Week/ Date	Time (Duration)	Topic	Teaching/learning	Lecturer
Sep 6, 2017	1.00-4.00 p.m. (S3)	Self-study		
5 Sep 12, 2017	8.00-9.00a.m. (D 1)  9.00-12.00 a.m. (L 3)	7. Principles of research designs: Quantitative and qualitative research designs 8. Quantitative designs 8.1 Survey/Descriptive 8.2 Experiment/Quasi-experiment 8.3 Exercise 3: Analyze and identify an appropriate quantitative research design for a selected research topic 8.4 Q & A: an appropriate quantitative research design for students' research proposal  <u>2<sup>nd</sup> WORK ASSIGNMENT(TOPIC 8)</u>	Discussion/ Participation in LMS@PSU  Exercise	-Assist. Prof. Dr. Wipa  -Assist. Prof. Dr. Wipa
Sep 7, 2017	1.00-4.00 p.m. (S3)	Self-study		
Sep 14, 2017	1.00-3.00p.m.	<u>1<sup>st</sup> EXAMINATION</u> <u>TOPIC: 1-2-5-6-7</u> <u>(HOLD CONCURRENTLY WITH</u> <u>OTHER PROGRAMS)</u>		
6 Sep 19, 2017	8.00-9.00 a.m. (D 1)  9.00-12.00 a.m. (L3)	9. Research quality/rigor 9.1 Validity 9.2 Validity and its threats 9.3 Exercise 4: Validity and its threats 9.4 Q & A: Validity and it threats about the students' research proposal	Discussion/ Participation in LMS@PSU  Exercise	-Assist. Prof. Dr. Wipa  -Assist. Prof. Dr. Wipa
Sep 20, 2017	1.00-4.00 p.m. (S3)	Self-study		
7 Sep 26, 2017	8.00-9.00 a.m. (D1)	10. Population and sample of nursing research 10.1 Definition and advantage	Discussion/ Participation in LMS@PSU	-Assoc. Prof. Dr. Busakorn Punmatharith

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Week/ Date	Time (Duration)	Topic	Teaching/learning	Lecturer
		10.2 Sample size and power analysis 10.3 Sampling 10.4 Sampling errors		
	9.00-12.00 a.m. (L 3)	10.5 Exercise 5 : Analyze and identify sample size and sampling technique 10.6 Q & A: Sample size and sampling technique related to students' research proposal	Exercise	-Assoc. Prof. Dr. Busakorn
Sep 27, 2017	1.00-4.00 p.m. (S3)	Self-study		
8 Oct 3, 2017	8.00-9.00 a.m. (D 1)	11. Data collection 11.1 Tools for data collection 11.2 Selection and development of the tools 11.3 Testing quality of the tools 11.4 Methods and steps of data collection	Discussion/ Participation in LMS@PSU	Assist. Prof. Dr. Sopen Chunaun
	9.00-12.00 a.m. (L 3)	11.5 Exercise 6: Analyze issues related to using existing tools and develop a simple tool for a selected research topic 11.5 Q & A : Using existing tools and develop a simple tool related to students' research proposal	Exercise	Assist. Prof. Dr. Sopen
Oct 4, 2017	1.00-4.00 p.m. (S3)	Self-study		
9 Oct 10, 2017	9.00-11.00 a.m. (L2)	- 3rd Meeting with the advisor: <i>present the progress of research proposal including research design, quality of research, sampling and sample size, and data collection</i>	Discussion	-Assist. Prof. Dr. Luppana -Assist Prof. Dr. Wipa -Assist. Prof. Dr. Hathairat -Dr. Jintana -Assoc. Prof. Dr. Waraporn -Assoc. Prof. Dr. Kittikom -Assist. Prof. Dr. Tippamas -Assist. Prof. Dr. Kantaporn

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Week/ Date	Time (Duration)	Topic	Teaching/learning	Lecturer
Oct 11, 2017	1.00-4.00 p.m. (S3)	Self-study		
10 Oct 17, 2017	8.00-10.00 a.m. (D 2) 10.00-12.00 a.m. (L 2)	12. Qualitative designs 12.1 Phenomenology 12.2 Ethnography 12.3 Exercise: Analyze and identify an appropriate qualitative research design for a given scenario  <u>3<sup>rd</sup> WORK ASSISMENT (TOPIC 12)</u>	Discussion/ Participation in LMS@PSU Exercise	Assist. Prof. Dr. Luppana  Assist. Prof. Dr. Luppana
Oct 18, 2017	1.00-4.00 p.m. (S3)	Self-study		
11 Oct 24, 2017	9.00-10.00 a.m. (D 1) 10.00-12.00 a.m. (L 2)	13. Ethics and nursing research  13.1 Exercise: Write up an informed consent form for a selected research topic 13.2 Q & A: an informed consent form related to students' research proposal  <u>4<sup>th</sup> WORK ASSISMENT (TOPIC 13)</u>	Discussion/ Participation in LMS@PSU Exercise	Assoc. Prof. Dr. Wandee  Assoc. Prof. Dr. Wandee
Oct 25, 2017	1.00-4.00 p.m. (S3)	Self-study		
Thr Oct 26,2017	1.00-3.00 PM	<u>2<sup>nd</sup> EXAMINATION</u> <u>TOPIC 9-10-11</u> <u>(HOLD CONCURRENTLY WITH</u> <u>OTHER PROGRAMS)</u>		
12 Oct 31, 2017	9.00-10.00 a.m. (D 1)	14. Concept of applying research evidence to guide nursing practice	Discussion/ Participation in LMS@PSU Exercise	Assist. Prof. Dr. Khomapak

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Week/ Date	Time (Duration)	Topic	Teaching/learning	Lecturer
	10.00-11.00 a.m. (L 1)	14.1 Exercise: Apply research evidence to guide nursing practice 5 <sup>th</sup> WORK ASSIGNMENT (TOPIC 14)		Assist. Prof. Dr. Khomapak
Nov 1, 2017	1.00-4.00 p.m. (S3)	Self-study		
13 Nov 7, 2017	9.00-10.30 a.m. (D 1.5)	15. Appraisal a selected research and presentation of research utilization (Groups work)	Presentation (Groups) / Discussion/	-Assist. Prof. Dr. Luppana -Assist. Prof. Dr. Wipa
Nov 8, 2017	1.00-4.00 p.m. (S3)	Self-study		
14 Nov 14, 2017	9.00-11.00 a.m. (L 2)	16. Presentation of research proposal (individual work)	Presentation (individual)/ discussion/ report	-Assist. Prof. Dr. Luppana (2) -Assist Prof. Dr. Wipa (1) -Assist. Prof. Dr. Hathairat (1) -Dr. Jintana (1) -Assoc. Prof. Dr. Waraporn (1) -Assoc. Prof. Dr. Kittikom (1) -Assist. Prof. Dr. Tippamas (1) -Assist. Prof. Dr. Kantaporn (1)
	11.00-11.30 a.m.	Course evaluation	Discussion	-Assist. Prof. Dr. Luppana -Assist Prof. Dr. Wipa

Note: In the ( ) of duration, D = Discussion duration, L = Lab duration, 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	1. Research appraisal (group report)	13	5%
	2. Research proposal (individual report) Using a form of GS 01-35	16	20%
	3. Work assignment (Topic 4-8-12-13-14)	2-5-10-11-12	15%
2.1	1. 1 <sup>st</sup> examination	5	20%
	2. 2 <sup>nd</sup> examination	11	20%
3.1, 3.2, 4.3, 5.1, 5.3	1. Presentation of appraisal research (group)	13	5%
	2. Presentation of research proposal (individual)	14	10%
	3. Working process and meeting advisor	1-4-9	5%

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Note: 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.

Polit, D. F., & Beck, C. T. (2014). *Essentials of nursing research: Appraising evidence for nursing practice* (8th ed.). Philadelphia, PA: Lippincott Williams & Wilkin.

Polit, D. F., & Beck, C. T. (2012). *Nursing research: Principles and methods* (9th ed.). Philadelphia, PA: Lippincott.

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

### 6.2 Suggested Books and Other Resources

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

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

Frank-Stromborg, M. & Olsen, S. J. (2004). *Instrument for clinical health-care research*. Sudbury, MA: Jones and Barlett.

Peterson, S. J., & Bredow, T. S. (2009). *Middle range theories: Application to nursing research* (2nd ed.). Philadelphia, PA: Lippincott Williams & Wilkins

Strauss, A., & Corbin, J. (1998). *Basics of qualitative research* (2nd ed.). Newbury Park, CA: SAGE.

### NOTE

1. A Guideline for evaluation of nursing research reports (for group work) and a form of GS 01-35 (for individual's research proposal) are posted in LMS @ learning of this course.

2. List of the student's advisor (research proposal) is showed on the table.

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No.	Students (e-mail address)	Advisors (e-mail address/ office)
1	Ms. Ulfatul Mufliah (ulfa_mufmuf@yahoo.co.id)	<u>Assist. Prof Dr. Tippamas (Tippamas.c@psu.ac.th)</u> Building 2, Room No. 2225A
2	Mr. Nyomanagus Jagat Raya (jagatraya.bali@gmail.com)	<u>Assoc. Prof Dr. Kittikorn (Kittikorn.n@psu.ac.th)</u> Building 2, Room No. 2225A
3	Mr. Muhmmad Ischaq Nabil As Shiddiqi (ischaq.nabil@gmail.com)	<u>Assist. Prof. Dr. Kantaporn (Kantaporn.c@psu.ac.th)</u> Building 2, Room No. 2216
4	Ms. Pratiksha Dahal (pratikshadahal9@gmail.com)	Assoc. Prof. Dr. Waraporn (Waraporn.k@psu.ac.th) Building 1, Room No. 1119
5	Mrs. Sumana Lama (sumana.lama87@gmail.com)	<u>Dr. Jintana (Jintana.d@psu.ac.th)</u> Building 1, Room No. 1112B
6	Ms. Rukhsana Bibi (rukhsi075@gmail.com)	<u>Assist. Prof. Dr. Hathairat (Hathairat.s@psu.ac.th)</u> Building 2, Room No. 2219
7	Ms. Mandira Baniya (mandira.nursingsirc@gmail.com)	<u>Assist. Prof Dr. Luppana (Luppana.k@psu.ac.th)</u> Building 1, Room No. 1112A
8	Ms. Ernestina Gyamfuah (egyamfuah@hotmail.com)	<u>Assist. Prof Dr. Luppana (Luppana.k@psu.ac.th)</u> Building 1, Room No. 1112A
9	Ms. Wen Feng (84387307@qq.com)	<u>Assist. Prof Dr. Wipa (Wipa.sa@psu.ac.th)</u> Building 2, Room No. 2219

### The regulations of giving graduate students feedback

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 they can be read and reviewed before giving feedback. The students will get feedback after their presentation of the final assignments/paper in class.

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