

## 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. Wipa Sae-Sia  
Coordinator Assistant Assist. Prof. Dr. Jintana Damkliang
5. Semester/ Year/ Academic Year: Semester 1/2019
6. Classroom Room 3307

## Section 2: Course Objectives

## 1. Course Objectives

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

- 1.1 Describe the importance of research in nursing
- 1.2 Describe the steps and flow of conducting research
- 1.3 Understand research designs both in quantitative and qualitative approaches research
- 1.4 Analyze and appraise evidence-based practice and research utilization based on research methodology in relevant to nursing
- 1.5 Critique the research methodology in selected research article
- 1.6 Analyze ethical issues in conducting nursing research. .
- 1.7 Write tentative research proposal

## 2. Objectives of a course revision

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

## 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

## 2. Number of Hours per Semester

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

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## 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. Wipa Sae-Sia (wipa.sa@psu.ac.th) Tel: 6517	1-8	Monday	8.00-9.00	2 <sup>nd</sup> Building R. 2219
Assist. Prof. Dr. Jintana Damkliang (jintana.d@psu.ac.th) Tel: 6513	9-16	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

Morality and Ethics needed	Learning Methods	Evaluating Methods
1.3 Possess ethical behaviors in conducting research and academic work.	- Individual exercise for each topic - Small group discussion In terms of ethical issues related to research methodology	- Check for plagiarism of copying exercises and report

## 2. Knowledge

Needed knowledge	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 methodology and using evidence-based nursing for research.	- Lecture/discussion with example - Demonstration individual assignment for doing exercise of some topics -Using active learning strategies including small group discussion with peer and instructor, LMS, and other channels	- Examination - Reports - Group presentation - Individual exercises

## 3. Cognitive Skills

Needed knowledge	Learning Methods	Evaluating Methods
3.1 Analyze and synthesize knowledge from nursing	- Lecture/discussion with example of published articles	- Examination - Reports

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Needed knowledge	Learning Methods	Evaluating Methods
science and related sciences. 3.2 Integrate knowledge from n theory, literature review, research methodology c eastern wisdom and related sci such as the use of evidence to nursing problems through research process for providing patients/clients' holistic nursing care and management.	<ul style="list-style-type: none"> <li>- Demonstration</li> <li>- Individual /group assignment for doing exercises</li> <li>- Presentation of research proposal (individual)</li> <li>- Presentation of appraisal article (work)</li> <li>- Report of research proposal (individual)</li> <li>- Report of appraisal article (group work)</li> </ul>	<ul style="list-style-type: none"> <li>- Group presentation</li> <li>- Individual exercises</li> </ul>

#### 4. Interpersonal Skills and Responsibility

Needed knowledge	Learning Methods	Evaluating Methods
4.3 Demonstrate responsibility, self-directed learning, skills of r learning in cultural diversity.	<ul style="list-style-type: none"> <li>- Group assignment</li> <li>- Presentation of appraisal article (group work)</li> <li>- Report of appraisal article (group work)</li> </ul>	<ul style="list-style-type: none"> <li>- Group presentation</li> <li>- Group report</li> </ul>

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

Needed knowledge	Learning Methods	Evaluating Methods
5.1 Search quantitative data and use statistics for studying, analyzing, summarizing and suggesting to solve problems in conducting nursing research.	<ul style="list-style-type: none"> <li>- Lecture/discussion</li> <li>- Demonstration</li> <li>- Individual exercises</li> </ul>	<ul style="list-style-type: none"> <li>- Examination</li> <li>- Reports</li> <li>- Group presentation</li> <li>- Individual exercises</li> </ul>
5.3 Use modern information technology for self-study and communicate information and results of the study by acad work presentation.	<ul style="list-style-type: none"> <li>- Lecture/discussion</li> <li>- Demonstration</li> <li>- Presentation of research proposal (individual)</li> <li>- Presentation of appraisal article (group work)</li> <li>- Report of research proposal (individual)</li> <li>- Report of appraisal article (group work)</li> </ul>	<ul style="list-style-type: none"> <li>- Examination</li> <li>- Reports</li> <li>- Group presentation</li> <li>- Individual exercises</li> </ul>

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## Section 5: Course Plan and Evaluation

## 5.1 Course Plan (Schedule)

Week/ Date	Time (Duration)	Topic	Teaching/learning	Lecturer
Aug 31, 19	8.00-8.15 a.m.	Course orientation Review students' prior experience, attitude of doing research		- Assist. Prof. Dr. Wipa Sae-Sia - Assist Prof. Dr. Jintana Damkliang
	8.15 a.m. -9.15 a.m. (D 1)	1. Introduction to nursing research 1.1 Importance of research to evidence-based nursing 1.2 Future direction for nursing research	-In class discussion/ Participation Assignment:: Identify research topic of interest via LMS2@PSU	Assist. Prof. Dr. Wipa
	9.15-10.15 am (L1)	2. Steps and flow of conducting research 3. Guideline to develop a research proposal using GS 01-35		
Sept 2, 19	11.00-12.00 noon (L1)	<i>1<sup>st</sup> Meet with advisor to discuss the research topic of interest</i>	Discussion	- Lecturers in Adult Nursing Department
19-20 Aug, 19		Academic week/no class		
Aug 31, 19	10.15-12.15 p.m. (D2)	5. Literature review and study framework 5.1 Steps of conducting literature review 5.2 Variable and definition of term 6. Research hypothesis 6.1 Statements of hypothesis 6.2 Critique literature review and research framework from selected articles. 6.3 Write research hypothesis, and process of conducting	Discussion/ Participation in LMS2@PSU  Exercise	Assist. Prof. Dr. Wipa  Assist. Prof. Dr. Wipa

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Week/ Date	Time (Duration)	Topic	Teaching/learning	Lecturer
		literature review based on the interested topic		
Sept 1, 19	13.00-15.00 p.m. (D2) 15.00-16.00 p.m. (L1)	- Literature review and study framework (con't) - Practice on writing conceptual framework and definition of terms for interested variables.	Exercise	-Assist. Prof. Dr. Wipa
Sept 10, 2019	9.00-12.00 a.m. (L3)	- 2 <sup>nd</sup> Meet 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, and research design</i>	Discussion	-Lecturers in Adult Nursing Department
Sept 11, 2019	1.00-4.00 p.m. (S3)	Self-study		
Sep 19- 20, 2019	08.00-12.00	Steps in conducting research in nursing 4.1 Principle of establishing research title 4.2 Identification of research problems, 4.3 Background and significance of problem 4.4 Principle of writing research objectives and research questions	Discussion/ Participation in LMS2@PSU	Assist. Prof. Dr. Charuwan
		4.5:Analyze selected article in terms of title, significance of the problems, research objectives, and research questions	In class practice/ Exercise Discuss via LMS2@PSU/ facebook	Assist. Prof. Dr. Charuwan

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Week/ Date	Time (Duration)	Topic	Teaching/learning	Lecturer
		4.6 Write significance of the problem, research objectives, and questions in relation to student's research proposal		
		7. Principles of research designs: Quantitative and qualitative research designs 8. Quantitative designs 8.1 Survey/Descriptive 8.2 Experiment/Quasi-experiment	Discussion/ Participation in LMS2@PSU	Assist. Prof. Dr. Charuwan
		8.3 Exercise: Identify and analyze quantitative research designs of selected articles 8.4 Write research design based on student's research proposal	Exercise	Assist. Prof. Dr. Charuwan
		9 Research quality/rigor 9.1 Validity 9.2 Validity and its threats	Discussion/ Participation in LMS2@PSU	Assist. Prof. Dr. Charuwan
		9.3 Exercise : Identify and analyze validity and its threats from selected articles 9.4 Identify possible threats and prevention of the threats that could be occurred in a students' research proposal	Exercise	Assist. Prof. Dr. Charuwan
24 Sept, 2019	13.00-14.00 a.m. (D1)	10. Population and sample of nursing research 10.1 Definition and advantage 10.2 Sample size and power analysis	Discussion/ Participation in LMS2@PSU	Assist. Prof. Dr. Aporthip

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Week/ Date	Time (Duration)	Topic	Teaching/learning	Lecturer
		10.3 Sampling 10.4 Sampling errors		
	9.00-12.00 a.m. (L 3)	10.5 Exercise : Analyze and identify sample size and sampling technique selected articles 10.6 Write sample size calculation and sampling technique in a students' research proposal	Exercise	
8/ 25 Sept, 2019	1.00-4.00 p.m. (S3)	Self-study		
9/ 1 Oct, 2019	8.00-10.00 a.m. (D 2)	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 LMS2@PSU	Assist. Prof. Dr. Aporntip
	10.00-12.00 a.m. (L 2)	11.5 Exercise: Identify and analyze data collection methods including tools using in selected articles. 11.6 Write data collection methods in relation to students' research proposal	Exercise	Assist. Prof. Dr. Aporntip
9/ 2 Oct, 2019	1.00-4.00 p.m. (S3)	-Self-study	Exercise	
10/ Oct 8, 2019	8.00-9.00a.m. (D1)  9.00-10.00 a.m. (L1)	12. Appraisal evidence-based practice nursing 12.1 Exercise: Appraise existing evidence-based practice  <u>1<sup>st</sup> WORK ASSISGMENT (TOPIC 12)</u>	Discussion/ Participation in LMS2@PSU Exercise	Assist. Prof. Dr. Wipa
10/ Oct 9, 2019	1.00-4.00 p.m. (S3)	Self-study		

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Week/ Date	Time (Duration)	Topic	Teaching/learning	Lecturer
11/ Oct 15, 2019	1.00-2.00 p.m. (L1)	- 3 <sup>rd</sup> Meeting with the advisor: <i>present the progress of research proposal including quality of research, sampling and sample size, and data collection</i>	Discussion	- Lecturers in Adult Nursing Department
11/ Oct 16, 2019	1.00-4.00 p.m. (S3)	Self-study		
12/ Oct 22, 2019	8.00-10.00 a.m. (D 2) 10.00-12.00 a.m. (L 2)	13. Qualitative designs 13.1 Phenomenology 13.2 Ethnography 13.3 Exercise: Analyze and identify an appropriate qualitative research design for a given scenario <u>2<sup>nd</sup> WORK ASSISGMENT (topic 13)</u>	Discussion/ Participation in LMS2@PSU Exercise	Assoc. Prof. Dr. Waraporn
Oct 23, 2019	1.00-4.00 p.m. (S3)	Self-study		
13/ Oct 29, 2019	9.00-10.00 (D 1) 10.00-12.00 (L 2)	14. Ethics and nursing research 14.1 Exercise: Discuss ethical issues and approval section in a selected article 14.2 Write an informed consent form related to students' research proposal <u>3<sup>rd</sup> WORK ASSISGMENT (topic 14)</u>	Discussion/ Participation in LMS2@PSU Exercise	Assoc Prof. Dr. Wiaraporn
13/ Oct 30, 2019	1.00-4.00 p.m. (S3)	Self-study		
14/ Nov 5, 2019	9.00-12.00 (S 3) 1.00-5.00 (S 4)	Self-study		
14/ Nov 12, 2019	1.00-4.00 p.m. (S-3)	Self-study		

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Week/ Date	Time (Duration)	Topic	Teaching/learning	Lecturer
Nov 6, 2019				
15/ Nov 12, 2019	9.00-10.30 a.m. (L 1.5)	15. Appraisal of a selected article and presentation (Groups work)	Presentation (Groups) / Discussion/	Assist. Prof. Dr. Wipa Assist. Prof. Dr. Jintana
15 Nov 13, 2019 (Wed)	09.00-11.00 a.m.	2 <sup>nd</sup> EXAMINATION TOPIC: 9,10,11 (3 hours- discussion, 2 hrs. examination) (HOLD CONCURRENTLY WITH ALL PROGRAMS)	Exam	Assist. Prof. Dr. Wipa Assist. Prof. Dr. Jintana
16/ Nov 19, 2019	9.00-10.30 a.m. (L 1.5) 10.30-11.00 a.m. (D 0.5)	16. Presentation of research proposal (individual work)  Course evaluation	Presentation (individual)/ discussion/ Discussion	Assist. Prof. Dr. Wipa Assist. Prof. Dr. Jintana
16/ Nov 20, 2019	1.00-4.00 p.m. (S3).	Self-study		
17/ Nov 29, 2019		Submission of research proposal report and research appraisal report		

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	Exercises (3 times)	12, 13, 14	15% (5% each)
2.1	1 <sup>st</sup> examination 2 <sup>nd</sup> examination	5 15	17.25 12.75
1.3,3.1,3.2	Report of research proposal (individual report), using a form of GS 01-35	17	25%

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Learning Outcomes	Methods of Evaluation	Week	Weight
1.3, 3.1, 3.2	Report of appraisal article (group report)	17	10%
5.1, 5.3	Presentation of research proposal (individual)	16	5%
5.1, 5.3	Presentation of appraisal article (group work)	15	5%
4.3	Working process with assigned advisor (individual)	1, 6, 11	5%
	Participation in class	14,15	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.

2) If the examination score is less than 80 % (grade B), the student(s) could do the contract learning with the course coordinator by using agreements, namely, re-examining and doing mind mapping of the topic(s) that were not passed.

### 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

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

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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

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

<http://www.stats.gla.ac.uk/steps/glossary/>

<http://www.analyzemath.com/statistics.html>

<http://www.psych.utoronto.ca/courses/c1/statstoc.htm>

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 of nursing research reports (for group work) and a form of GS 01-35 (for individual's research proposal) are posted in LMS2 @ learning of this course.
2. The meeting schedules can be changed flexibly depended on student and assigned advisor.
3. 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.
4. 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.

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Sep 11, 2019



5. 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 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.

6. It is student's responsibility and passion in creating the progress of your work

7. 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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Sep 12, 2019