

APPENDIX A

Experts for Instrument Validation

Phase 1 The exploration of the current situation and expectation on critical thinking enhancement for nursing students in public institutes.

The expert of educational administrator.

1. Assist. Prof. Dr. Pajongporn Phuwipadawat.
Lecturer, Faculty of Education, Chiangmai University.

The expert of nursing educational administrator.

2. Assoc. Prof. Dr.Promjitr Honboonhem .
Vice Dean, Faculty of Nursing, Mahasarakam University.
3. Assoc. Prof. Dr. Orapan Lueboonthawatchai.
Lecturer, Department of Mental Health and Psychitric of Nursing
Faculty of Nursing, Chulalongkorn University.
4. Assoc. Prof. Dr. Sujitra Tiansawas .
Lecturer, Faculty of Nursing, Chiangmai University.

The expert of measurement and evaluation.

5. Assist. Prof. Dr. Suchat Leetrakul.
Vice President, Chiangrai Rajabhat University.

Phase 2 The construction and development of the critical thinking enhancement strategy for nursing students in public institutes.

The expert having experienced of educational administrator.

1. Assist. Prof. Dr. Orapin Siriboonma.
Vice President, Chiangmai Rajabhat University.

The expert having experienced of nursing educational administrator.

2. Dr. Viyada Ratanasuwan .
Director, Boromrajonani College of Nursing, Phayoa.
3. Dr. Pannee Paisantaksin.
Vice Director, Boromrajonani College of Nursing, Nakorn Lampang.

The expert having experienced of Planning Strategy.

4. Assist. Prof. Dr. Thitinut Akkadechanan .
Lecturer, Faculty of Nursing, Chiangmai University.
5. Assist. Prof. Dr. Wanpen Pinyopaskul.
Lecturer, Faculty of Nursing, Mahidol University.

APPENDIX B

Cover Letter for Informing Consent

Date

Dear Colleague

My name is Somporn Santiprasitul, a Ph.D. student at the Faculty of Education Chiangmai University. I am conducting my dissertation study to strategies development to enhance critical thinking for nursing students in public institutes . The phase I is the exploration of the current situation and expectation on critical thinking enhancement for nursing students in public institutes.

You are being invited to participate in this study because you have experienced for instruction design. I am asking for your assistance to complete and return the enclosed research questionnaire using a sealed envelope provided with my address. The information obtained from you will increase an understanding of how to enhance critical thinking for nursing students and this will contribute to the development of strategies critical thinking enhancement for nursing students in the future.

The only possible risk to you for participating in this study is volunteering the time to complete the questionnaire. Your response will be kept confidential. To ensure confidentiality, do not write your name on a questionnaire and on an envelope or identify yourself in any way. The questionnaires will be kept in a locked file cabinet which is accessible only to me. All study results will be reported in a group manner only.

The enclosed questionnaire only takes about 30 minutes to complete. In order to analyze the information in a timely manner, I ask you to return the questionnaire by ____ (date) .

Your participation in this study is voluntary. You are not obligate to participate in this study. You are free to withdraw your consent at anytime. Refusal to participate will not impact your employment standard in any way at institute. By completing and returning the questionnaire, you are voluntarily giving your informed consent to participate in this study. If you choose not to participate in this study, I ask you to return a blank questionnaire using a sealed envelope provided with my address.

I hope you will consider participating in this study. Please contact me by phone at or e-mail atif you have any questions or concerns. Thank you in advance for your help with this study.

Sincerely,

Somporn Santiprasitul
Faculty of Education
Chiangmai University.

APPENDIX C

**Example of Rustionaire for
the exploration of the current situation and expectation on
critical thinking enhancement for nursing students**

Example of Questionnaire for

Strategies Development to Enhance Critical Thinking for Nursing Students in Public Institutes

(for academic administrator/instructor)

Direction: Please complete the following information or put X in the blanks that correspond your answers.

Part I. Demographic Information

1. gender

☐ male

☐ female

2. Age

☐ < 30 years

☐ 31 -35 years

☐ 36 – 40 years

☐ 41 – 45 years

☐ 46 – 50 years

☐ 51 – 55 years

☐ > 55 years

3.

4.

5.

Part II Opinion on behaviour to enhance critical thinking for nursing student

Direction Please complete the following information by putting X in the blanks that correspond your answers

Level of opinion on current situation or exeoectation on the behavior in each item, as followed:

- 5 = strongly agree with current situation / expectation in each item.
- 4 = agree with current situation / expectation in each item.
- 3 = moderate agree with current situation / expectation in each item.
- 2 = disagree with current situation / expectation in each item.
- 1 = strongly disagree with current situation / expectation in each item

no	Bahaviour	Current situation					Expectation				
		5	4	3	2	1	5	4	3	2	1
99	Announcement of student centered policy in institute				x		x				

From the sample questionnaire was shown that

The subject do not agree of this item (the policy may not be obviously) and the subject expects to have the obvious policy.

no	Bahaviour	Current situation					Expectation				
		5	4	3	2	1	5	4	3	2	1
Behaviour of administrators/ academic adminstrator											
1.	stipulate instructional policy on student-centered										
....										
16.	manage and support instructional design to enhance critical thinking										
Behaviour of instructor											
17.	set goals and cooperate for instructional design by integrating knowledge to enhance critical thinking.										
.....										
32.	assess the situation during the course for developing students continuously.										
Instructional design											
33.	prepare students for instructional design focused on student-centered										
.....										
38.	assign the students to search and share their knowledge										

Part III Additional opinion

.....
.....

Thank you for your participation in the study

Example of Questionnaire for

Strategies Development to Enhance Critical Thinking for Nursing Students
in Public Institutes
(for nursing student)

Direction: Please complete the following information or put X in the blanks that correspond your answers.

1. gender

☐ male

☐ female

2. Age

☐ < 18 years

☐ 18 -20 years

☐ 21 – 23 years

☐ > 23 years

3.

4.

Part II Opinion on bahaviour to enhance critical thinking for nursing student

Direction Please complete the following information by putting X in the blanks that correspond your answers

Level of opinion on current situation or exeoectation on the behavior in each item, as followed:

- 5 = strongly agree with current situation / expectation in each item.
- 4 = agree with current situation / expectation in each item.
- 3 = moderate agree with current situation / expectation in each item.
- 2 = disagree with current situation / expectation in each item.
- 1 = strongly disagree with current situation / expectation in each item

no	Bahaviour	Current situation					Expectation				
		5	4	3	2	1	5	4	3	2	1
99	Announcement of student centered policy in institute				x		x				

From the sample questionnaire was shown that

The subject do not agree of this item (the policy may not be obviously) and the subject expects to have the obvious policy.

no	Bahaviour	Current situation					Expectation				
		5	4	3	2	1	5	4	3	2	1
Behaviour of administrators/ academic adminstrator											
1.	announce instructional design focused on student-centered policy in the institute.										
...										
5.	support budget for activities to enhance self-learning.										
Behaviour of instructor											
6.	provide diverse instructional design										
...										
16.	use question to encourage student to think analytically										
Behaviour of nursing student											
32.	determine instructional design with instructor										
.....										
47.	use process of conclusion of the minor issues to describe eyeview issue (inductive)										

Part III Additional opinion

.....

.....

Thank you for your participation in the study

APPENDIX D

Example of Manual of Instructiona Design

Strategy: Integrate nursing process and critical thinking into instructional design to enhance critical thinking.

By using Scaffolding and Concept Mapping

**คู่มือการจัดการเรียนการสอน
โดยใช้กลยุทธ์การบูรณาการ
การจัดการเรียนการสอน
ที่ส่งเสริมการคิดอย่างมีวิจารณญาณ
โดยใช้กระบวนการพยาบาล
ด้วยวิธีการเรียนการสอน
แบบ Scaffolding และ
การจัดทำ Concept Mapping**



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APPENDIX E

Permission Letters for Using the Test of Critical Thinking Skills

วิทยาลัยพยาบาลบรมราชชนนีนครลำปาง
286 ถ. ป่าขาม อ.เมือง จ.ลำปาง 552000

วันที่ 25 พฤษภาคม 2555

เรียน รองศาสตราจารย์ ดร.เกียรติสุดา ศรีสุข และคณะกรรมการบริหารหลักสูตรบัณฑิตศึกษา
สาขาการวิจัยและพัฒนาการศึกษา

หนังสือนี้ให้ไว้เพื่อรับรองว่านางสมพร สันติประสิทธิ์กุลได้รับอนุญาตจากดิฉัน (นางสาวศรีไพร
ไชยา หรือ นางศรีไพร ไชอินทร์ชัยเทพ) ผู้เป็นเจ้าของลิขสิทธิ์เครื่องมือ ชื่อ แบบทดสอบความสามารถใน
การคิดอย่างมีวิจารณญาณ ในการใช้เป็นเครื่องมือในการศึกษาคุณูปพันธ์

ขอแสดงความนับถือ



(นางศรีไพร ไชอินทร์ชัยเทพ)

APPENDIX F

Satisfaction evaluation form for using the selected strategy for instructors and nursing students

**Satisfaction evaluation form for using the selected strategy
for instructors**

Direction: This group discussion is evaluation your opinion for stratrgy for enhancing critical thinking for nursing students after using scaffolding and concept mapping.

Please feel free to make opinion, it is not right or wrong.

1. What do you feel after using scaffolding and integrate with nursing process?
2. What do you think that scaffolding is useful to enhance critical thinking for student?

Why?

.....

.....

.....

.....

.....

.....

Thank you for your cooperation.

Satisfaction evaluation form for using the selected strategy for nursing students

Direction: This group discussion is evaluation your opinion for stratrgy for enhancing critical thinking for nursing students after using scaffolding and concept mapping.

Please feel free to make opinion, it is not right or wrong.

1. What did you feel when instructor asked you with complicated question?

.....
.....
.....

2. What did you feel when you answered instructor's question correctly?

.....
.....
.....
.....
.....
.....

Thank you for your cooperation.

CURRICULUM VITAE

Author's Name Mrs. Somporn Santiprasitkul

Day/Year of Birth February 19, 1956

Place of Birth Chulalongkorn Hospital, Bangkok

Education

1977	Diploma of Nursing, Faculty of Nursing, Mahidol University
1980	Bachelor of Science (Health Education), Faculty of Public Health, Mahidol University
1984	Master of Science (Epidemiology), Faculty of Medicine, Mahidol University.
1987	Bachelor of Nursing, Faculty of Nursing, Mahidol University.
1998	Master of Nursing Science, Faculty of Nursing, Mahidol University.

Experience

1977	Nurse, Siriraj Hospital, Bangkok
1984	Infection Control Nurse, Siriraj Hospital, Bangkok
2005	Lecturer, School of Nursing, Walailak University
2007	Lecturer, School of Nursing, Mae Fah Luang University
2010	Assistant Professor, School of Nursing, Mae Fah Luang University

