



Course Specification

HMS 2408 Basic Science for Health

College of Allied Health Sciences

Suan Sunandha Rajabhat University

The 2nd semester of 2022

Part 1 General information

1. Code and subject

Code HMS 2408
Subject Basic Science for Health

2. Credits 3 (3-0-6)

3. Course and group of subjects

3.1 Course Bachelor of Sciences (Medical and Public Health Secretary)
3.2 Group of subjects Elective subject of basic sciences in medical and public health

4. Primary instructors and teacher

4.1 Primary instructors Dr.Pongsak Jaroenngarmsamer, M.D., M.B.A.
4.2 Teacher Dr.Pongsak Jaroenngarmsamer, M.D., M.B.A.

5. Contact

College of Allied Health Sciences,
Suan Sunandha Rajabhat University
E-mail: pongsak.ja@ssru.ac.th

6. Semester/ academic year

6.1 Semester The 2nd semester of 2022
6.2 Number of students 10

7. Pre-requisite	None
8. Co-requisites	None
9. College	College of Allied Health Sciences Samut Songkram Campus Suan Sunandha Rajabhat University
10. Date of revision	November 1, 2022

Part 2 Target and objective

1. Target of the subject

- 1.1 To understand the important of basic science for health
- 1.2 To understand the basic anatomy
- 1.3 Effectively apply the knowledge in professional practice
- 1.4 Effectively cooperate with multidisciplinary professional

2. Objective

- 2.1 Understanding core concepts of the subject
- 2.2 Understanding basic science fro health
- 2.3 Able to apply the knowledge with professional tasks

Part 3 Specifications and teaching details

1. Subject specifications of HMS2408 Basic science for health

Basic knowledge, principles and philosophy of health science and choice and chemistry in health food, social impact and understand disease prevention and holistic health promotion concepts

2. Teaching hours per semester

Lecture (hours)	Tutorial (hours)	Practice (hours)	Self-study (hours)
45	-	-	90

3. Consultation and additional tutorial

3.1 Personal consultation at the teacher's office on the 5th floor

3.2 Phone consultation 081-844-6110

3.3 E-mail pongsak.ja@ssru.ac.th

3.4 Social media Line I.D. "online1"

3.5 Internet/web board www.teacher.ssru.ac.th/pongsak_ja

Part 4 Outcome evaluation

1. Moral and ethic ○ ○

1.1 Moral and ethics development

○ (1) Decision making with value and reasonable to social rules

○ (2) Discipline, responsibility, reliability, honest sacrifice

1.2 Method

(1) Lecture with 2-ways communication with example

(2) Group assignment with presentation

(3) Late arrival is 15 min with agreement of punishment

1.3 Evaluation

(1) Class participation and discussion

(2) Behavioral observation

(3) Punctuation of joining class and assignment

2. Knowledge ○ ○ ○

2.1 Knowledge development

○ (1) Living knowledge

☐ (2) Understanding the current condition

☐ (3) Realize to follow the rules

2.2 Method

(1) Lecture with 2-ways communication with example

(2) Situation analysis and presentation

(3) Knowledge summary with simplified diagram

2.3 Evaluation

(1) Midterm and final examination

(2) Class participation and discussion

(3) Qualified task according to the theory

3. Intellectual skill ☐ ☐ ☐

3.1 Intellectual skill development

☐ (1) Problem solving skill

☐ (2) Creative analysis

☐ (3) Academic skill

3.2 Method

(1) Assignment

(2) Situation analysis and presentation

3.3 Evaluation

(1) Assignment presentation

(2) Situation analysis and discussion

4. Interpersonal relationship skill and responsibility ☐ ☐ ☒

4.1 Interpersonal relationship skill and responsibility development

☐ (1) Appropriate role in working place with leadership and relationship. Capable to be the member or leader with appropriate role in the firm.

☐ (2) Self and group responsibility including firm and social.

☒ (3) Academic skill with initiative analysis

4.2 Method

- (1) Group assignment and presentation
- (2) Group activity

4.3 Evaluation

- (1) Assignment presentation
- (2) Team participation observation

5. Numerical analysis, communication and intellectual skill ○ ○ ○**5.1 Numerical analysis, communication and intellectual skill development**

- (1) Selection and application of statistic
- (2) Regular using of informative technology for data collection and presentation
- (3) Efficient communication

5.2 Method

- (1) Assignment and presentation
- (2) Case study and presentation

5.3 Evaluation

- (1) Anatomical application and health solution presentation
- (2) Case study and presentation

Note Curriculum Mapping

- Main purpose
- Minor purpose

Part 5 Teaching plan and assessment

1. Teaching plan

Week	Topic/detail	Hours	Activities	Teacher
1	Introduction objective and teaching plan of basic science for health	3	Explanation about the class and evaluation of the course by Power point, online	Dr.Pongsak J.
2	Health system in Thailand	3	Lecture by Power point and group activities	Dr.Pongsak J.
3	Health science	3	Lecture by Power point and case study, online	Dr.Pongsak J.
4	Concept of health	3	Lecture by Power point and case study, online	Dr.Pongsak J.
5	Water management	3	Lecture by Power point and case study, online	Dr.Pongsak J.
6	Water treatment	3	Lecture by Power point and group activities	Dr.Pongsak J.
7	Health professional	3	Lecture by Power point and case study, online	Dr.Pongsak J.
8	Quality of life	3	Lecture by Power point and group activities	Dr.Pongsak J.
9	Midterm examination	3		Dr.Pongsak J.
10	Health promotion	3	Lecture by Power point and case study, online	Dr.Pongsak J.
11	Diseases prevention and control	3	Lecture by Power point and group activities	Dr.Pongsak J.
12	Trash	3	Lecture by Power point and group activities	Dr.Pongsak J.

Week	Topic/detail	Hours	Activities	Teacher
13	Economic impact of health system	3	Lecture by Power point and case study, online	Dr.Pongsak J.
14	Recycle product for health	3	Lecture by Power point and group activities	Dr.Pongsak J.
15	Pollution	3	Group activities	Dr.Pongsak J.
16	Assignment presentation	3	Group presentation	Dr.Pongsak J.
17	Final examination	3		Dr.Pongsak J.

2. Evaluation

Activities	Method	Week	Quotation
1	Participation in the class	1-15	20
2	Midterm examination	8	30
3	Final examination	17	30
4	Individual assignment	5-7	10
5	Group presentation	16	10

Grading evaluation according to Suan Sunandha Rajabhat University

Grade	Range	Score
A	86-100	4.00
A-	82-85	3.75
B+	78-81	3.50
B	74-77	3.00
B-	70-73	2.75
C+	66-69	2.50
C	62-65	2.00
C-	58-61	1.75
D+	54-57	1.50
D	50-53	1.00
D-	46-49	0.75

F

0-45

0.00

Section 6 Teaching material

1. Standard textbook

- Lecture note of Basic science for health
- Basic Terminology in Medical Nursing and Public Health
- English-Thai Medical Dictionary

2. Additional material

- Hand-out
- Recommended material
 - 1) www.moph.go.th
 - 2) www.who.org

Section 7 Evaluation and subject development

1. Course efficiency evaluation by student

After finishing the course, the student will evaluate as followed;

1.1 Teacher evaluation

- Puncture
- Personality
- Polite speech
- Moral and ethical concern
- Capability in explanation
- Informed the topic's objective
- Teaching topics relevant to the objective
- Motivation and participation of the student

1.2 Subject evaluation

- Benefit to study the course
- Satisfactory to the course
- Other comment

2. Teaching evaluation

Assigned teacher will do as followed;

2.1 Student evaluate the course and the teacher as above

2.2 Random observation for

- Puncture
- Personality
- Polite speech
- Moral and ethical concern
- Capability in explanation
- Informed the topic's objective
- Teaching topics relevant to the objective
- Motivation and participation of the student

2.3 Teacher needs self-evaluation as followed;

- Appropriate preparing time
- Satisfactory to the subject
- Further development

3. Course development

3.1 The power point presentation must be in English.

3.2 The handout needs to be published at least a week prior to the class

3.3 Further evaluation according to the data of

- The student outcome
- Course evaluation by the student
- Teaching evaluation
- Teacher evaluation

4. Standard evaluation of the subject by student

The medical and public health secretary department has standard evaluation of the subject by the student in these topics;

- Clear and possible objective
- Practical learning related to the objective
- Practical learning aggravates the student to search and enhance self-study
- The evaluation process suitable with the objective and practical learning
- Using of theory and previous evaluation, if possible, for further planning and improvement

5. The plan for reevaluation and improvement the subject efficiency

By the end of semester, the teachers will have department meeting for further evaluation and improve the subject, including the student's grade evaluation. If there is any comment for further improvement, the subject will be adjusted for the best solution.

Dr.Pongsak Jaroengarmsamer, MD. (Ob-Gyn), MBA.

Curriculum Mapping according to Program Specification

Subject	1. Moral and ethic		2. Knowledge			3. Intellectual skill			4. Interpersonal relationship skill and responsibility			5. Numerical analysis, communication and intellectual skill		
	1	2	1	2	3	1	2	3	1	2	3	1	2	3
HMS2203 Basic Medical Management	○	○	○	○	○	○	○	○	○	○	●	○	○	○