

คณะพยาบาลศาสตร์
FACULTY OF NURSING

HANDBOOK

For Undergraduate Student Academic Year 2018



Bachelor of Nursing Science Program
(International Program)

“Sound Knowledge
| Best Practices
| Inquiry-Based Research
| Moral Mindfulness
| Pursuing World-Class Standards”



Faculty of Nursing, Chiang Mai University



HANDBOOK
FOR
UNDERGRADUATE STUDENT

BACHELOR OF NURSING SCIENCE
(INTERNATIONAL PROGRAM)

FACULTY OF NURSING
CHIANGMAI UNIVERSITY

2018

TABLE OF CONTENTS

Contents	Page
1. About Faculty of Nursing, Chiang Mai University	1
2. Bachelor of Nursing Science (International Program)	
- Name of Program	2
- Name of Degree	2
- Philosophy of the program	2
- Purposes of the program	2
- Academic system	3
- Period of Study	4
- The Quality Assurance of the program	4
- Meaning of the course codes and numbers	4
- Curriculum	5
- Curriculum Structure	6
- Study Plan	9
- Course Description	17
3. Undergraduate Clinical Guidelines	33

The Faculty of Nursing, Chiang Mai University

History

The Faculty of Nursing was established over 50 years ago. Following World War II, only two medical schools existed in Thailand at the Bangkok-based University of Medical Science (now Mahidol University). In 1956, the Thai cabinet approved the establishment of a new medical school, to include a nursing division, in Chiang Mai Province to improve health care and medical services in rural Thailand. In 1959, a nursing division within the Faculty of Medicine at Siriraj Hospital was first established in Bangkok. In 1960 the Faculty of Medicine, including the Nursing Division, moved to Chiang Mai and became the first medical school established outside the capital. The first practical nurse program began in 1960, followed with a diploma program in 1961. A bachelor of nursing science program was established in 1966, a master of nursing science program in 1986, and a doctor of philosophy program in 1997.

In 1965 the Faculty of Medicine was incorporated into Chiang Mai University. On August 15, 1972, the Faculty of Nursing at Chiang Mai University was formally established as Thailand's third Faculty of Nursing. FON has grown from a small Division within a medical school in Bangkok to a full-scale Faculty of Nursing occupying a total of 9.5 acres (3.84 hectares) located at CMU Health Sciences Campus. FON has a total of 10 buildings on the health science campus for administration and teaching as well as faculty and student housing. The state of the art Center for the Efficient Development of Health Spa Services in Mae Rim is a training facility for alternative and Thai traditional therapies. Today FON is an internationally recognized and respected institute of higher education and research.

Mission

As part of our commitment to Chiang Mai University and its mission, the Faculty of Nursing strives to fulfill five principle functions in the fields of: education, research, community service, and cultural conservation.

Vision

The Chiang Mai University Faculty of Nursing is a leading international nursing academic and research institution.

**International Program for Bachelor of Nursing Science
Curriculum 2018**

1. Name of the Program

Thai	:	หลักสูตรพยาบาลศาสตรบัณฑิต (นานาชาติ)
English	:	Bachelor of Nursing Science (International Program)

2. Name of the Degree

Thai	:	พยาบาลศาสตรบัณฑิต พย.บ.
English	:	Bachelor of Nursing Science B.N.S.

3. Philosophy of the Program

The Faculty of Nursing, Chiang Mai University believes that nursing is the profession providing direct care for individuals, groups, and communities with various ethnicities, religions, and cultures across health and life span within the changing context. Therefore, individuals' responses from their interaction with environment is dynamic. Nursing practices to fulfill clients' needs have to be updated holistic evidence based practice in caring manner with the use of digital technology. Client, family, and community participation is emphasized with social and culture, safety, equity, and quality of life consideration.

Nursing program (revised 2018) aims to produce the graduates who are global citizen and well equipped with inquiry minds, being proficient, and global literacy. In addition, raising the awareness of current local as well as global health policy and health care system are emphasized. Necessary skills related to health sciences, information technology, and digital technology progression; communication and human relations competency; leadership; clinical decision making; and management to ensure holistic evidence based care are trained to ensure effective care provision to fulfill clients' responses with ethical, moral, and professional ethics consideration. Graduates will be able to perform continuously individuals' improvement; quality of nursing practices and professional improvement; and lead their valuable lives effectively.

4. Purposes of the Program

This program aims to produce nursing graduates who will be able to work both in health care institutes and communities. Their attributes are as follows:

- 1) Apply proficiency in nursing sciences and midwifery; related sciences; and evidence based practice into nursing appropriately;
- 2) Provide holistic care to fulfill individuals', groups, and communities with various ethnicities, religions, and cultures across age groups and health span in different level of health

care institutes with consideration of clients' participation; their social and cultural context; safety; quality of life; laws, moral, ethics and professional ethics awareness;

3) Communicate with Thai and/or English effectively; able to generate and maintain relationships with others appropriately in related to academic, working, and everyday life;

4) Able to think critically; able to perform clinical judgement; and perform creative problem solving;

5) Use digital technology to perform self, nursing practice, communication, team working improvement;

6) Able to use research and innovation development process in solving nursing and health problems;

7) Demonstrate leadership and management skills in working with health team, clients, and others appropriately;

8) Equip with inquiry minds; able to have self-directed learning as well as continuous self development;

9) Able to express morals, ethics, responsibilities, caring, and human respectation;

10) Apply numerical analysis and statistics in nursing profession appropriately;

11) Respect belief, religion, and culture diversity;

12) Express good attitude towards self, nursing profession; aware of professional value and nursing right; and

13) Be a global citizen and able to lead valuable life.

5. Academic System

To be in accordance with the CMU Regulations on Undergraduate Study, 2000, as follows:

5.1 The semester system is employed by dividing the academic year into two regular semesters, plus, may be, a summer session. Generally, each semester is approximately 15-18 weeks in duration, while a summer session is about 8 weeks with the number of study hours increased to equal those of a regular semester.

5.2 The credit system is employed by arranging course contents into specific courses, with the content evaluated as credits as follows:

5.2.1 A course with one lecture hour/ week/ semester has a value of 1 credit;

5.2.2 A course with 2-3 hours of laboratory work/ week/ semester hour range 30-45 total hours has a value of 1 credit; and,

5.2.3 A course with 3-6 hours of practicum or field work/ week/ semester hour range 45-90 total hours has a value of one credit.

5.2.4 A project or other required activities with 45-90 hours has a value of one credit.

6. Period of Study

To be in accordance with the CMU Regulations on Undergraduate Study, 2000, as follows:

6.1 Bachelor of Nursing Science (4- year program) is a four academic year's program and the period of study shall not less than 6 regular semesters and the period of study shall not exceed eight academic years.

7. The Quality Assurance of the Program

7.1 The quality assurance is in accordance with the CMU Quality Assurance System.

7.2 Having the curriculum evaluation and development according to the CMU Quality Assurance System.

8. Meaning of the Course Codes and Numbers

1. Course Codes of the FON range from 551 to 600
2. The first three digits refer to department codes which are as follows:

Code	Department Code	Definition
551	NGC	Public Health Nursing
552	NGF	Fundamental Nursing
553	NGM	Medical Nursing
554	NGOB	Obstetric and Gynecological Nursing
555	NGP	Pediatric Nursing
556	NGPN	Psychiatric Nursing
557	NGS	Surgical Nursing
558	NGAD	Nursing Administration
561	NGA	Adult Nursing
562	NGID	Inter – Department
571	NGGE	General Education

3. The last three letters refers to:
 - The first refers to level of course
 - The middle refers to group of course
 - The last refers to sub – group of course

9. Curriculum

Structure of Bachelor of Nursing Science (International Program)

9.1 Total	a minimum of	141	Credits
9.2 Curriculum Structure			
(1) General Education		30	Credits
(1.1) Language and Communication		12	Credits
(1.2) Humanities and Social Sciences		9	Credits
(1.3) Science and Mathematics		6	Credits
(1.4) Learning through activities		3	Credits
(2) Field of Specialization		105	Credits
(2.1) Core Courses		26	Credits
(2.2) Major		79	Credits
Requirements		73	Credits
Major Elective		6	Credits
2.3 Free Elective	a minimum of	6	Credits

Curriculum Structure

(1) General education			30 credits
(1.1) Language and Communication Courses			12 credits
001101	ENGL 101	Fundamental English 1	3(3-0-6)
001102	ENGL 102	Fundamental English 2	3(3-0-6)
001201	ENGL 201	Critical Reading and Effective Writing	3(3-0-6)
001226	ENGL 226	English in Health Sciences Context	3(3-0-6)
	For international students who come from a country where English is an official language select to register for 12 credits in other language and communication courses.		
(1.2) Humanities and Social Sciences Courses			9 credits
013110	PSY 110	Psychology and Daily Life	3(3-0-6)
And select 2 courses from the followings			
009103	LS 103	Information Literacy and Information Presentation	3(3-0-6)
011269	PHIL 269	Philosophy of Sufficiency Economy	3(3-0-6)
127100	GOV 100	Politics in Everyday Life	3(3-0-6)
571151	NGGE 151	Science and Art for Happiness Creation	3(2-3-4)
703103	MGMT 103	Introduction to Entrepreneurship and Business	3(3-0-6)
751100	ECON 100	Economics for Everyday Life	3(3-0-6)
(1.3) Science and Mathematics Courses			6 credits
Select from the followings			
201110	SC 110	Integrated Mathematical Sciences	3(3-0-6)
204100	CS 100	Information Technology and Modern Life	3(2-2-5)
261111	CPE 111	Internet and Online Community	3(3-0-6)
362211	CONS 211	Principles of Conservation	3(3-0-6)
461100	PHPS 100	Herbs for Health and Beauty	3(3-0-6)
571111	NGGE 111	Critical Thinking and Creative Thinking	3(2-2-5)
571113	NGGE 113	Maintaining the Equilibrium in Adolescent Life	3(3-0-6)
571115	NGGE 115	Spa for Health	3(3-0-6)
571116	NGGE 116	Health and Working in the Digital Age	3(3-0-6)
951100	ANI 100	Modern Life and Animation	3(3-0-6)
953111	SE 111	Software for Everyday Life	3(3-0-6)
(1.4) Learning through Activities Courses			3 credits
571101	NGGE 101	Learning through Activities 1	1(0-3-0)
571102	NGGE 102	Learning through Activities 2	1(0-3-0)
571401	NGGE 401	Learning through Activities 3	1(0-3-0)
(2) Field of Specialization			105 credits
(2.1) Core Courses (Foundation of Profession)			26 credits
202143	BIOL 143	Biology for Nursing Students	2(2-0-4)
203114	CHEM 114	Organic Chemistry for Nursing Students	2(2-0-4)

208141	STAT 141	Introduction to Biostatistics	2(1-2-3)
301221	ANAT 221	Anatomy for Nursing Students	3(2-2-5)
303221	BCHM 221	Biochemistry for Nursing Students	3(2-2-5)
311224	MICR 224	Microbiology for Nursing Students	3(2-3-4)
317221	PARA 221	Parasitology for Nursing Students	2(1-2-3)
318221	PATH 221	Pathology for Nursing Students	2(2-0-4)
320221	PHCO 221	Pharmacology for Nursing Students	3(3-0-6)
321224	PHSO 224	Physiology for Nursing Students	4(3-3-6)

(2.2) Major Courses**79 credits****(2.2.1) Required Courses****73 credits****A. Theory Courses****43 credits**

551311	NGC 311	Community Nursing	3(3-0-6)
551461	NGC 461	Primary Medical Care	2(2-0-4)
552216	NGF 216	Fundamental Nursing	3(3-0-6)
552217	NGF 217	Fundamental Nursing Laboratory	2(0-6-0)
553312	NGM 312	Gerontological Nursing	2(2-0-4)
554313	NGOB 313	Maternal-Newborn Nursing and Midwifery 1	2(2-0-4)
554314	NGOB 314	Maternal-Newborn Nursing and Midwifery 2	4(4-0-8)
555313	NGP 313	Pediatric and Adolescent Nursing	3(3-0-6)
556311	NGPN 311	Psychiatric and Mental Health Nursing	3(3-0-6)
557433	NGS 433	Disaster Nursing	2(2-0-4)
558101	NGAD 101	Introduction to Nursing Profession	1(1-0-2)
558411	NGAD 411	Laws and Ethics in Nursing and Midwifery Profession	2(2-0-4)
558432	NGAD 432	Nursing Research	2(2-0-4)
558442	NGAD 442	Leadership, Management and Nursing Informatics	3(3-0-6)
561311	NGA 311	Adult Nursing 1	2(2-0-4)
561312	NGA 312	Adult Nursing 2	2(2-0-4)
562101	NGID 101	Health Promotion and Disease Prevention	2(2-0-4)
562211	NGID 211	Nursing Process and Health Assessment	3(2-3-4)

B. Practicum Courses**30 credits**

551491	NGC 491	Community Nursing Practicum	3(0-9-0)
551492	NGC 492	Primary Medical Care Practicum	2(0-6-0)
552291	NGF 291	Fundamental Nursing Practicum	2(0-6-0)
554392	NGOB 392	Maternal-Newborn Nursing and Midwifery Practicum 1	2(0-6-0)
554493	NGOB 493	Maternal-Newborn Nursing and Midwifery Practicum 2	3(0-9-0)
554494	NGOB 494	Maternal-Newborn Nursing and Midwifery Practicum 3	2(0-6-0)
555393	NGP 393	Pediatric and Adolescent Nursing Practicum 1	1(0-3-0)
555394	NGP 394	Pediatric and Adolescent Nursing Practicum 2	4(0-12-0)
556391	NGPN 391	Psychiatric and Mental Health Nursing Practicum	3(0-9-0)

561391	NGA 391	Adult and Gerontological Nursing Practicum 1	3(0-9-0)
561392	NGA 392	Adult and Gerontological Nursing Practicum 2	3(0-9-0)
561491	NGA 491	Adult and Gerontological Nursing Practicum 3	2(0-6-0)

(2.2.2) Elective Courses**6 credits**

Select 1 course from group A and 1 course from group B

Group A -Nursing Leadership Practicum

551481	NGC 481	Community Nursing Leadership Practicum	3(0-9-0)
553481	NGM 481	Medical Nursing Leadership Practicum	3(0-9-0)
554481	NGOB 481	Obstetric and Gynecological Nursing Leadership Practicum	3(0-9-0)
555481	NGP 481	Pediatric Nursing Leadership Practicum	3(0-9-0)
556481	NGPN 481	Psychiatric and Mental Health Nursing Leadership Practicum	3(0-9-0)
557481	NGS 481	Surgical Nursing Leadership Practicum	3(0-9-0)

Group B -Nursing Professional Internship

551482	NGC 482	Community Nursing Professional Internship	3(0-9-0)
553482	NGM 482	Medical Nursing Professional Internship	3(0-9-0)
554482	NGOB 482	Obstetric and Gynecological Nursing Professional Internship	3(0-9-0)
555482	NGP 482	Pediatric Nursing Professional Internship	3(0-9-0)
556482	NGPN 482	Psychiatric and Mental Health Nursing Professional Internship	3(0-9-0)
557482	NGS 482	Surgical Nursing Professional Internship	3(0-9-0)

(3) Free Elective		a minimum of	6 credits
	Total	a minimum of	141 credits

Study Plan for the B.N.S. (International Program) 1st Year

Course	Prerequisite	Pre-of-prerequisite	Credit
Semester I			
001101 : Fundamental English 1	None	-	3(3-0-6)
013110 : Psychology and Daily Life	None; for non-major only	-	3(3-0-6)
202143 : Biology for nursing students	None	-	2(2-0-4)
Humanities and Social Sciences General Education	None	-	3
Science and Mathematics General Education	None	-	3
Free Elective	None	-	3
Total			17
Semester II			
001102 : Fundamental English 2	ENGL 101 (001101) or consent of the department	None	3(3-0-6)
203114 : Organic Chemistry for Nursing Students	None	-	2(2-0-4)
208141 : Introduction to Biostatistics	None	-	2(1-2-3)
558101 : Introduction to Nursing Profession	None	-	2(1-2-3)
562101 : Health Promotion and Disease Prevention	None	-	1(1-0-2)
571101 : Learning through Activities I	None	-	1(0-3-0)
Humanities and Social Sciences General Education	None	-	3
Science and Mathematics General Education	None	-	3
Free Elective	None	-	3
Total			20

Study Plan for the B.N.S. (International Program) 2nd Year

Course	Prerequisite	Pre-of-prerequisite	Credit
Semester I			
001201: Critical Reading and Effective Writing	001102 or consent of the department	001101 or consent of the department	3(3-0-6)
301221 : Anatomy for Nursing Students	202143 and 202144; or consent of the department	None	3(2-2-5)
303221 : Biochemistry for Nursing Students	2 nd year standing or consent of the department	-	3(2-2-5)
321224 : Physiology for Nursing Students	2 nd year standing or consent of the department	-	4(3-3-6)
552216 : Fundamentals of Nursing	2 nd year standing and consent of the faculty	-	3(3-0-6)
552217 : Laboratory Fundamentals of Nursing Practice	Concurrent to 552216	2 nd year standing and consent of the faculty	2(0-6-0)
Total			18(13-13-28)
Semester II			
001226 : English in Health Sciences Context	001102 or consent of the department	001101 or consent of the department	3(3-0-6)
311224 : Microbiology for Nursing Students	2 nd year standing or consent of the department	-	3(2-3-4)
317221 : Parasitology for Nursing Students	301221	202143 and 202144; or consent of the department	2(1-2-3)
318221 : Pathology for Nursing Students	301221	202143 and 202144; or consent of the department	2(2-0-4)
320221 : Pharmacology for Nursing Students	303221; and 321223 or 321224 or concurrence	2 nd year standing or consent of the department	3(3-0-6)
562211 : Nursing Process and Health Assessment	Concurrent to 301221	202143 and 202144; or consent of the department	3(2-3-4)
571102 : Learning through Activities 2	None	-	1(0-3-0)
Total			17(13-11-27)
Semester III			
552291 : Fundamental Nursing Practicum	552217	Concurrent to 552216	2(0-6-0)
554313 : Maternal-Newborn Nursing and Midwifery 1	562211	Concurrent to 301221	2(2-0-4)
561311 : Adult Nursing 1	562211	Concurrent to 301221	2(2-0-4)
Total			6(4-6-8)

Study Plan for the B.N.S. (International Program) 3rd Year

Course	Prerequisite	Pre-of-prerequisite	Credit
Semester I			
553312 : Gerontological Nursing	562211	Concurrent to 301221	2(2-0-4)
554314 : Maternal-Newborn Nursing and Midwifery 2	554313	562211	4(4-0-8)
554392 : Maternal-Newborn Nursing and Midwifery Practicum 1	Concurrent to 554313	562211	2(0-6-0)
561312 : Adult Nursing 2	562211	Concurrent to 301221	2(2-0-4)
561391 : Adult and Gerontological Nursing Practicum 1	Concurrent to 561311 and 561312 and 553312	562211	3(0-9-0)
561392 : Adult and Gerontological Nursing Practicum 2	Concurrent to 561311 and 561312 and 553312	562211	3(0-9-0)
Total			16(8-24-16)
Semester II			
551311 : Community Nursing	562211	Concurrent to 301221	3(3-0-6)
555313 : Pediatric and Adolescent Nursing	562211	Concurrent to 301221	3(3-0-6)
555393 : Pediatric and Adolescent Nursing Practicum 1	Concurrent to 555313	562211	1(0-3-0)
555394 : Pediatric and Adolescent Nursing Practicum 2	Concurrent to 555313 and 555393	562211, Concurrent to 555313	4(0-12-0)
556311 : Psychiatric and Mental Health Nursing	562211	Concurrent to 301221	3(3-0-6)
556391 : Psychiatric and Mental Health Nursing Practicum	Concurrent to 556311	562211	3(0-9-0)
Total			17(9-24-18)

Study Plan for the B.N.S. (International Program) 4th Year

Course	Prerequisite	Pre-of-prerequisite	Credit
Semester I			
551461 : Primary Medical Care	561311 and 561312	562211	2(2-0-4)
551492 : Primary Medical Care Practicum	Concurrent to 551461	561311 and 561312	2(0-6-0)
554493 : Maternal-Newborn Nursing and Midwifery Practicum 2	Concurrent to 554314	554313	3(0-9-0)
554494 : Maternal-Newborn Nursing and Midwifery Practicum 3	Concurrent to 554314	554313	2(0-6-0)
557433 : Disaster Nursing	4 th year standing and consent of the faculty	-	2(2-0-4)
558411 : Laws and Ethics in Nursing and Midwifery Profession	558101	None	2(2-0-4)
558432 : Nursing Research	Concurrent to 208141	None	2(2-0-4)
558442 : Leadership, Management and Nursing Informatics	4 th year standing and consent of the faculty	-	3(3-0-6)
571401 : Learning through Activities 3	None	-	1(0-3-0)
Total			19(11-24-22)
Semester II			
551491 : Community Nursing Practicum	Concurrent to 551311	562211	3(0-9-0)
561491 : Adult and Gerontological Nursing Practicum 3	561391 and 561392		2(0-6-0)
Major Elective Group A -Nursing Leadership Practicum	4 th year standing and consent of the faculty	-	3(0-9-0)
Major Elective Group B –Nursing Professional Internship	4 th year standing and consent of the faculty	-	3(0-9-0)
Total			11(0-33-0)

Recommended Study Program

First Year

First Semester			Credits
001101	ENGL 101	Fundamental English 1	3(3-0-6)
013110	PSY 110	Psychology and Daily Life	3(3-0-6)
202143	BIOL 143	Biology for Nursing Students	2(2-0-4)
		Humanities and Social Sciences General Education	3
		Science and Mathematics General Education	3
		Free Elective	3
		Total	17

Second Semester			Credits
001102	ENGL 102	Fundamental English 2	3(3-0-6)
203114	CHEM 114	Organic Chemistry for Nursing Students	2(2-0-4)
208141	STAT 141	Introduction to Biostatistics	2(1-2-3)
558101	NGAD 101	Introduction to Nursing Profession	1(1-0-2)
562101	NGID 101	Health Promotion and Disease Prevention	2(2-0-4)
571101	NGGE 101	Learning through Activities 1	1(0-3-0)
		Humanities and Social Sciences General Education	3
		Science and Mathematics General Education	3
		Free Elective	3
		Total	20

Second Year

First Semester			Credits
001201	ENGL 201	Critical Reading and Effective Writing	3(3-0-6)
301221	ANAT 221	Anatomy for Nursing Students	3(2-2-5)
303221	BCHM 221	Biochemistry for Nursing Students	3(2-2-5)
321224	PHSO 224	Physiology for Nursing Students	4(3-3-6)
552216	NGF 216	Fundamental Nursing	3(3-0-6)
552217	NGF 217	Fundamental Nursing Laboratory	2(0-6-0)
Total			18(13-13-28)

Second Semester			Credits
001226	ENGL 226	English in Health Sciences Context	3(3-0-6)
311224	MICR 224	Microbiology for Nursing Students	3(2-3-4)
317221	PARA 221	Parasitology for Nursing Students	2(1-2-3)
318221	PATH 221	Pathology for Nursing Students	2(2-0-4)
320221	PHCO 221	Pharmacology for Nursing Students	3(3-0-6)
562211	NGID 211	Nursing Process and Health Assessment	3(2-3-4)
571102	NGGE 102	Learning through Activities 2	1(0-3-0)
Total			17(13-11-27)

Summer Session			Credits
552291	NGF 291	Fundamental Nursing Practicum	2(0-6-0)
554313	NGOB 313	Maternal-Newborn Nursing and Midwifery 1	2(2-0-4)
561311	NGA 311	Adult Nursing 1	2(2-0-4)
Total			6(4-6-8)

Third Year

First Semester			Credits
553312	NGM 312	Gerontological Nursing	2(2-0-4)
554314	NGOB 314	Maternal-Newborn Nursing and Midwifery 2	4(4-0-8)
554392	NGOB 392	Maternal-Newborn Nursing and Midwifery Practicum 1	2(0-6-0)
561312	NGA 312	Adult Nursing 2	2(2-0-4)
561391	NGA 391	Adult and Gerontological Nursing Practicum 1	3(0-9-0)
561392	NGA 392	Adult and Gerontological Nursing Practicum 2	3(0-9-0)
Total			16(8-24-16)

Second Semester			Credits
551311	NGC 311	Community Nursing	3(3-0-6)
555313	NGP 313	Pediatric and Adolescent Nursing	3(3-0-6)
555393	NGP 393	Pediatric and Adolescent Nursing Practicum 1	1(0-3-0)
555394	NGP 394	Pediatric and Adolescent Nursing Practicum 2	4(0-12-0)
556311	NGPN 311	Psychiatric and Mental Health Nursing	3(3-0-6)
556391	NGPN 391	Psychiatric and Mental Health Nursing Practicum	3(0-9-0)
Total			17(9-24-18)

Fourth Year

First Semester			Credits
551461	NGC 461	Primary Medical Care	2(2-0-4)
551492	NGC 492	Primary Medical Care Practicum	2(0-6-0)
554493	NGOB 493	Maternal-Newborn Nursing and Midwifery Practicum 2	3(0-9-0)
554494	NGOB 494	Maternal-Newborn Nursing and Midwifery Practicum 3	2(0-6-0)
557433	NGS 433	Disaster Nursing	2(2-0-4)
558411	NGAD 411	Laws and Ethics in Nursing and Midwifery Profession	2(2-0-4)
558432	NGAD 432	Nursing Research	2(2-0-4)
558442	NGAD 442	Leadership, Management and Nursing Informatics	3(3-0-6)
571401	NGGE 401	Learning through Activities 3	1(0-3-0)
Total			19(11-24-22)

Second Semester			Credits
551491	NGC 491	Community Nursing Practicum	3(0-9-0)
561491	NGA 491	Adult and Gerontological Nursing Practicum 3	2(0-6-0)
		Major Elective Group A -Nursing Leadership Practicum	3(0-9-0)
		Major Elective Group B –Nursing Professional Internship	3(0-9-0)
Total			11(0-33-0)

Course description

(1) General education

(1.1) Language and Communication Courses

001101 ENGL 101 Fundamental English 1 3(3-0-6)

Prerequisite: None

Communication in English for everyday interactions. Basic listening, speaking, reading and writing skills in various social and cultural contexts for life-long learning.

001102 ENGL 102 Fundamental English 2 3(3-0-6)

Prerequisite: ENGL 101 (001101) or consent of the department

Communication in English for everyday interactions. More advanced listening, speaking, reading and writing skills in various social and cultural contexts for life-long learning.

001201 ENGL 201 Critical Reading and Effective Writing 3(3-0-6)

Prerequisite: ENGL 102 (001102) or consent of the department

English language skills for critical reading from different sources and media and effective writing on topics of students' interests.

001226 ENGL 226 English in Health Sciences Context 3(3-0-6)

Prerequisite: ENGL 102 (001102) or consent of the department

Specific language functions, components and skills for effective communication in health science contexts.

(1.2) Humanities and Social Sciences General Education Courses

009103 LS 103 Information Literacy and Information Presentation 3(3-0-6)

Prerequisite: None

The definition and the importance of information and information literacy, information needs and information seeking, information sources and information services, information resources and organization, information searching, information evaluation, information presentation, citation and bibliography writing.

011269 PHIL 269 Philosophy of Sufficiency Economy 3(3-0-6)

Prerequisite: None

Definition, concept and principle of philosophy of sufficiency economy. Livelihood according to philosophy of sufficiency economy. Application of the principle philosophy of sufficiency economy.

013110 PSY 110 Psychology and Daily Life 3(3-0-6)

Prerequisite: None; for non-major only

Psychology and daily life. Individual factors. Interpersonal factors. Social factors.

127100 GOV 100 Politics in Everyday Life 3(3-0-6)

Prerequisite: None

Basic concept about politics: Definitions and significance. Basic concept about state, nation and political system. Political regimes. Citizenship. People's political participation. Globalization. Politics in environmental issue. Politics in cultural diversity. Politics in information and technology. Politics in equality issue. Politics in everyday life: Impacts and adaptation.

571151 NGGE 151 Science and Art for Happiness Creation 3(2-3-4)

Prerequisite: None

Knowing of oneself; understanding of self and others; meaning, significance, and contexts of life and education; definition and concepts of contemplative education; contexts and significances of happiness; definition, type, and self-creation of happiness; linkage among life contexts-education-contemplative education and happiness creation for perfect or quality of life through true knowledge and the beauty and goodness of natures and all things.

703103 MGMT 103 Introduction to Entrepreneurship and Business 3(3-0-6)

Prerequisite: None

Entrepreneur role in economics development country Entrepreneur and business opportunities. The characteristic of entrepreneur and motivation factors, environment, types of business, forms of business, business plans, principle of management, marketing management, production management, financial management, accounting, taxation, business law, international business and business ethics for entrepreneur.

751100 ECON 100 Economics for Everyday Life 3(3-0-6)

Prerequisite: None

Basic economic concepts and application for everyday life concerning production, consumption, markets, national income, public finance, money and banking, inflation and deflation, employment, international trade and finance, and economic development and environment.

(1.3) Science and Mathematics General Education Courses

201110 SC 110 Integrated Mathematical Sciences 3(3-0-6)

Prerequisite: None

Computer science in everyday life, history of computing, internet, statistics in everyday life, statistics for solving the problems in everyday life, probability for describing the

phenomena, simulation, examples of mathematical models, matrix operations and its applications, optimization, data representation, artificial intelligence and machine learning, sorting and searching, statistics for decision making.

204100 CS 100 Information Technology and Modern Life 3(2-2-5)

Prerequisite: None

Computers in everyday life, Data processing and information management, Office automation software for modern life and Internet and webpage construction.

261111 CPE 111 Internet and Online Community 3(3-0-6)

Prerequisite: None

Introduction to Internet and online community. Computer technology and modern world. Selecting of online tools and service. Impact of the Internet in daily life. The Internet and cloud computing. Online bussiness. Ethics in social networking. Analyzing of social networking data. Online investment. Legal aspects of the Internet and online community. Security and privacy in social networking. Case studies.

362211 CONS 211 Principles of Conservation 3(3-0-6)

Prerequisite: None

Problems concerning deterioration of natural resources and environments. Principles and methods of management and conservation of natural resources.

461100 PHPS 100 Herbs for Health and Beauty 3(3-0-6)

Prerequisite: None

Herbs for health promotion, those used to treat common diseases, indigenous vegetables including some toxic plants. Medicinal plants, both in fresh and dry forms and their various products. Their uses as drugs, food and cosmetics, emphasizing daily usage for proper and safe use.

571111 NGGE 111 Critical Thinking and Creative Thinking 3(2-2-5)

Prerequisite: None

Fundamental principles of thinking, forms of thinking, definitions of critical thinking and creative thinking. Principles and components of critical thinking and creative thinking. Advantages of critical thinking and creative thinking. Factors related to critical thinking and creative thinking. Development and enhancement of critical thinking and creative thinking and use of critical thinking and creative thinking in daily life.

571113 NGGE 113 Maintaining the Equilibrium in Adolescent Life 3(3-0-6)

Prerequisite: None

Study of factors influencing adolescents' way of life, including both positive and negative factors. Ways of maintaining the equilibrium in adolescents' way of life. Prevention and management of physical, psychosocial, emotional and spiritual problems in adolescent's lives.

571115 NGGE 115 Spa for Health 3(3-0-6)

Prerequisite: None

Concepts and theories related to spa for health and holistic health care .Meaning, types, and activities of health care in spa .Spa management to meet standardized quality, and spa services for health care within Thai traditions .Spa products and equipments .Massage for health .Hydrotherapy and aromatic therapy .Healthy food and relaxation.

571116 NGGE 116 Health and Working in the Digital Age 3(3-0-6)

Prerequisite: None

Trend of working pattern in the future. Health risk from working in the digital age. Fundamental principles of occupational health and safety. Working culture in the digital age. Laws and standards related to occupational health and safety. Health and wellness promotion in the workplace. Network on workers' health. Innovations and creative media technology for workers' health. Application on wellness promotion in various workplaces.

951100 ANI 100 Modern Life and Animation 3(3-0-6)

Prerequisite: None

Understanding in animation works and animated cinema. Evolution and forms of animation at present day. Idea and basic process of animation production, for instance, pre-production, production, and post-production. File utilization in presenting the animation projects of students. And the basic design of animation character.

953111 SE 111 Software for Everyday Life 3(3-0-6)

Prerequisite: None

The course will provide basic understanding of computer software: what it is and its role in improving our daily lives. Major areas of software applications and products popularly used today will be introduced including software for personal use to improve productivity and quality of life, for organizational enterprises to support business operations and management, and for education and research activities. Latest issues in today's software industry such as career choices, ethics, future trends, and direction will also be surveyed to provide the overall picture of the field.

(1.4) Learning through Activities Courses

571101 NGGE 101 Learning through Activities 1 1(0-3-0)

Prerequisite: None

Participating in activities related to promotion of discipline, honesty, responsibility, living based on the sufficient economy philosophy, Thai culture awareness and appreciation, understanding and valuing oneself and others and essential learning skills in order to ensure learner's good citizenship and ability to live happily with others. Grading will be given on satisfactory or unsatisfactory basis.

571102 NGGE 102 Learning through Activities 2 1(0-3-0)

Prerequisite: None

Participating in activities related to promotion of sacrifice, responsibility, understanding and respecting cultural diversity, time management and problem solving skills, presentation skills, and English communication skills in order to enhance learner's communication skills, essential living skills, and good citizenship. Grading will be given on satisfactory or unsatisfactory basis.

571401 NGGE 401 Learning through Activities 3 1(0-3-0)

Prerequisite: None

Participating in activities related to promotion of sacrifice, responsibility, English communication skills, professional and interdisciplinary team working skills, social skills, and readiness for future work in order to ensure learner's characteristics of a good registered nurse and good citizen of Thai and global community. Grading will be given on satisfactory or unsatisfactory basis.

(2) Field of Specialization**(2.1) Core Courses (Foundation of Profession)**

202143 BIOL 143 Biology for Nursing Students 2(2-0-4)

Prerequisite: None

Introduction and scientific method, cell structure and function, cellular respiration, animal tissue, molecular genetics and biotechnology, diversity of living things, organ systems of animals, development of embryos, behavior, ecology and population ecology.

203114 CHEM 114 Organic Chemistry for Nursing Students 2(2-0-4)

Prerequisite: None

Introduction organic reactions, hydrocarbons, isomers and stereochemistry, organic compounds with oxygen and sulfur, amines, carboxylic acids, esters and amides, carbohydrates, lipids, proteins, and nucleic acids.

208141 STAT 141 Introduction to Biostatistics 2(1-2-3)

Prerequisite: None

Data in health science, data summarization, distributions required, estimation, statistical testing, and introduction to statistical modeling.

301221 ANAT 221 Anatomy for Nursing Students 3(2-2-5)

Prerequisite: BIOL 143 (202143) and BIOL 144 (202144); or consent of the department

Human body and cytology, epithelium, connective tissue, membrane & integument, skeletal system, muscular system, cardiovascular system, respiratory system and lymphatic system, digestive system, urinary system, male reproductive system, female reproductive system, nervous system, endocrine system and special sense organs.

303221 BCHM 221 Biochemistry for Nursing Students 3(2-2-5)

Prerequisite: Second year standing or consent of the department

Cell and cell organelles, chemistry and metabolism of biomolecules; carbohydrates, lipids, proteins and nucleic acid including enzymes and coenzymes, metabolic integration and control, hormone and metabolism, chemistry of nucleic acids, nucleic acids and proteins syntheses, gene expression and controls, recombinant DNA technology, biochemistry of blood and urine, nutrition, toxicants and biochemistry of cancer.

311224 MICR 224 Microbiology for Nursing Students 3(2-3-4)

Prerequisite: Second year standing and consent of the department

Basic microbiology, basic immunology, clinical immunology, bacteria that cause disease in human, basic virology, disease caused by virus infection in human, general mycology, disease caused by fungi infection in human.

317221 PARA 221 Parasitology for Nursing Students 2(1-2-3)

Prerequisite: ANAT 221 (301221)

This is an introduction course in medical, parasitology. Lectures and laboratory demonstrations provide the student with general principles concerning parasite- host relationship and human parasitic diseases. Life cycle, modes of transmission and preventive and control measures of the parasites of public health importance in Thailand are included.

318221 PATH 221 Pathology for Nursing Students 2(2-0-4)

Prerequisite: ANAT 221 (301221)

Principle of diseases, terminology, mechanism of the disease processes due to abnormalities of both structure and function.

320221 PHCO 221 Pharmacology for Nursing Students 3(3-0-6)

Prerequisite: BCHM 221 (303221); and PHSO 223 (321223) or PHSO 224 (321224) or concurrence

A series of lecture are provided to acquaint the students with the fundamental of pharmacology and the application of prototype drugs to be used in the clinical areas.

321224 PHSO 224 Physiology for Nursing Students 4(3-3-6)

Prerequisite: Second year standing or consent of the department

Muscular system and nerve, circulatory system, respiratory system, gastrointestinal system, urinary system, water and electrolyte and acid-base balance, energy metabolism and body temperature regulation system, endocrine system and nervous system.

(2.2) Major Courses

(2.2.1) Required Courses

A. Theory Courses

551311 NGC 311 Community Nursing 3(3-0-6)

Prerequisite: NGID 211 (562211)

Concepts and principles of public health and community health nursing. Health related plans and policies. Health system and community health care system. Public health innovation. Concepts and principles of implementation in epidemiology. Community health nursing process. Concepts, theories, principles and roles of nurses in provision of services in family health care, school health, occupational health, and environmental health.

551461 NGC 461 Primary Medical Care 2(2-0-4)

Prerequisite: NGA 311 (561311) and NGA 312 (561312)

Roles and responsibilities of nurses in primary medical care. Screening and referral concept. Application of nursing process in primary medical care. Primary medical care for common disorders in various body systems. Basic emergency nursing care. Laboratory tests for differential diagnosis. Rational use of medicines in common health problems in community. Wound management and basic medical procedures.

552216 NGF 216 Fundamental Nursing 3(3-0-6)

Prerequisite: Second year standing and consent of the faculty

Principles of art and science in nursing. Terminology and *abbreviations in nursing*. Communication and building relationship with clients and health care team. Health education. Nursing care for client safety. Rational and safe administration of medicines. Nursing care for response to client's needs using the nursing process with concerning client's rights and cultural diversity.

552217 NGF 217 Fundamental Nursing Laboratory 2(0-6-0)

Prerequisite: Concurrent to NGF 216 (552216)

Practicing fundamental nursing in laboratory regarding communication and building relationship with clients and health care team, health education, nursing care for client safety, rational and safe administration of medicines, nursing care for response to client's needs using the nursing process with concerning client's rights and cultural diversity, order taking, admitting and discharging patient, and nursing report and documentation.

553312 NGM 312 Gerontological Nursing 2(2-0-4)

Prerequisite: NGID 211 (562211)

Policies, plans and strategies related to aging, attitudes towards older adults and ethics in care of older adults. Roles of all sectors related to older adults. Service system for older adults. Concepts related to older adult care. Aging theories. Aging process. Comprehensive geriatric assessment. Health promotion and disease prevention in older adults. Common symptoms and health problems in older adults. Assessment and nursing care. Nursing care for older adults using medicines. Geriatric rehabilitation. Holistic nursing care for older adults in end-of-life period and family.

554313 NGOB 313 Maternal-Newborn Nursing and Midwifery 1 2(2-0-4)

Prerequisite: NGID 211 (562211)

Maternal and newborn health care concepts. Basic concepts related to reproductive health and contraception. Physiological and psychosocial changes during pregnancy and nursing care. Health assessment and screening of pregnant women and fetus. Health promotion of women during pregnancy. Childbirth, breastfeeding and parenthood preparation.

554314 NGOB 314 Maternal-Newborn Nursing and Midwifery 2 4(4-0-8)

Prerequisite: NGOB 313 (554313)

Midwifery roles. Basic knowledge of labor. Nursing care for parturients in every stage of normal labor. Nursing care for normal postpartum mother. Nursing care for normal newborns and newborns with complication. Fetal risk assessment. Rationale and safe use of medicines in obstetrics. Nursing care for risk women during pregnancy, pregnant women with obstetrics complication, pregnant women with comorbidity, and pregnant women with bleeding. Nursing care for parturients with abnormal affecting labor factors and complications during labor. Nursing care for parturients receiving operative obstetrics. Nursing care for mothers with postpartum complication.

555313 NGP 313 Pediatric and Adolescent Nursing 3(3-0-6)

Prerequisite: NGID 211 (562211)

Developmental psychology. Pediatric and adolescent health promotion including developmental, nutritional, and immunity promotion. Health problem trend. Impacts of health status on children and their family. Nursing care for children with abnormality in various systems and other illnesses, and nursing care for children during end of life using the nursing process, related concepts and evidences, as well as respect of children rights, nursing ethics, and cultural diversity.

556311 NGPN 311 Psychiatric and Mental Health Nursing 3(3-0-6)

Prerequisite: NGID 211 (562211)

Mental health basic concepts and principles of psychiatric nursing. Selected theory concepts and their application in mental health promotion and psychiatric nursing. Screening system and differential diagnosis of psychiatric disorders. Therapeutic tools in psychiatric nursing. Treatments for person with psychiatric and mental health problem. Nursing care for person with psychiatric and mental health problem. Ethical and legal issues related to psychiatric nursing.

557433 NGS 433 Disaster Nursing 2(2-0-4)

Prerequisite: Fourth year standing and consent of the faculty

Concepts and principles of disaster and disaster management. Planning and management of disaster. Life support and resuscitation for disaster victim. Nursing care for disaster victims with having injuries of body systems. Disaster victims transferring. Psychosocial nursing care for disaster victims. Ethical and legal issues in disaster nursing.

558101 NGAD 101 Introduction to Nursing Profession 1(1-0-2)

Prerequisite: None

Nursing and midwifery profession. Professional nursing organizations. History and evolution of nursing and midwifery profession. Roles, responsibilities and expected characteristics of professional nurses and midwives. Fundamental ethics and morals for nurses. Promotion of professionalism.

558411 NGAD 411 Laws and Ethics in Nursing and Midwifery Profession 2(2-0-4)

Prerequisite: NGAD 101 (558101)

Ethical theories, professional ethical principles and nursing code of ethics. Patient's rights and nurse's rights. General laws related to nursing and midwifery practice and forensic nursing. Professional Nursing and Midwifery Act and ministerial regulations issued by the Thailand Nursing and Midwifery Council. Regulations of Ministry of public health in relation to

nursing and midwifery practice. Public health laws. Laws related to healthy public policies and tobacco control. Ethical and legal issues in nursing and midwifery practice.

558432 NGAD 432 Nursing Research 2(2-0-4)

Prerequisite: Concurrent to STAT 141 (208141)

Significance of research. Types of nursing research. Research process and steps for conducting research. Ethical issues in nursing research. Writing research proposal. Writing research report and disseminating research findings. Utilization of research findings and evidences in nursing.

558442 NGAD 442 Leadership, Management and Nursing Informatics 3(3-0-6)

Prerequisite: Fourth year standing and consent of the faculty

Organizational and leadership theories. Management process. Resource management. Teamworking. Essential nursing management skills. Patient safety management. Nursing informatics.

561311 NGA 311 Adult Nursing 1 2(2-0-4)

Prerequisite: NGID 211 (562211)

Concepts of holistic adult nursing, continuum of care, and palliative care. Ethical issues in adult nursing. Pre-operative, peri-operative, and post-operative nursing care. Holistic nursing care for adults with fluid, electrolyte, and acid-base disorders, adults with cancer, adults with critical, acute, and chronic health problems in cardiovascular, respiratory, hematological and lymphatic, urological, and sensory system including health promotion/disease prevention, treatment, rehabilitation, and palliative care as well as rational administration of medicines and nutritional therapy.

561312 NGA 312 Adult Nursing 2 2(2-0-4)

Prerequisite: NGID 211 (562211)

Holistic nursing care for adults with infection, and adults with critical, acute, and chronic health problems in reproductive, neurological, musculoskeletal, gastrointestinal, endocrine, immune, and integumentary system including health promotion/disease prevention, treatment, rehabilitation, and palliative care as well as rational administration of medicines and nutritional therapy.

562101 NGID 101 Health Promotion and Disease Prevention 2(2-0-4)

Prerequisite: None

Concepts of health promotion and disease prevention. Theories related to health behavioral modification. Factors affecting health behaviors. Health risk behavior assessment. Nurse' roles and competencies in health promotion. Nursing guidelines to promote health of individual, group, family, and community at all levels of health care services.

562211 NGID 211 Nursing Process and Health Assessment 3(2-3-4)

Prerequisite: Concurrent to ANAT 221 (301221)

Nursing metaparadigms and nursing theory basic knowledge. Functional health pattern concept and its application in health assessment. Nursing process. Health assessment principles and techniques including assessment of general appearance, head, eyes, ears, nose and throat, cardiovascular system, respiratory system, gastrointestinal and elimination system, nutritional status, musculoskeletal system, neurological system, reproductive system, psychosocial, head to toe, and child health. Application of nursing process and health assessment in formulating a nursing plan of care.

B. Practicum Courses

551491 NGC 491 Community Nursing Practicum 3(0-9-0)

Prerequisite: Concurrent to NGC 311 (551311)

Practicing nurses' roles in community health services, family health services, school health services, and occupational health and environmental health services using the nursing process, related concepts and evidences with concerning to clients' rights, client safety, rational use of medicines, nursing ethics, and cultural diversity.

551492 NGC 492 Primary Medical Care Practicum 2(0-6-0)

Prerequisite: Concurrent to NGC 461 (551461)

Practicing patient screening through history taking, physical examination, differential diagnosis and primary medical care, providing suggestions and patient referral, wound management, basic medical procedures, and primary medical care documentation using the nursing process, related concepts and evidences with concerning to clients' rights, client safety, rational use of medicines, nursing ethics, and cultural diversity.

552291 NGF 291 Fundamental Nursing Practicum 2(0-6-0)

Prerequisite: NGF 217 (552217)

Practicing building relationship and communication with patients, families, and health care team, use of the nursing process in patient care, working with nursing and health care team, fundamental nursing skills using related concepts and evidences with concerning to clients' rights, client safety, rational use of medicines, nursing ethics, and cultural diversity.

554392 NGOB 392 Maternal-Newborn Nursing and Midwifery Practicum 1 2(0-6-0)

Prerequisite: Concurrent to NGOB 313 (554313)

Practicing nursing care for women in pre-pregnancy and pregnancy period including family planning, birth control, nursing care for infertile couple, pregnancy diagnosis, estimation of gestational age and expected date of confinement, assessment of pregnant women's and fetuses' health status, screening for pregnant women's and fetuses' risks, and referral for

treatment using the nursing process, related concepts and evidences with concerning to client's rights, client safety, rational use of medicines, nursing ethics, and cultural diversity.

554493 NGOB 493 Maternal-Newborn Nursing and Midwifery Practicum 2 3(0-9-0)

Prerequisite: Concurrent to NGOB 314 (554314)

Practicing nursing care for normal hospitalized parturient, and hospitalized parturient with risk, complications, and abnormal labor including screening for pregnant women's and fetuses' risk, conducting normal delivery, episiotomy and perineorrhaphy, assisting parturient with abnormal labor, and practicing newborn care, promotion of initial breastfeeding, and promotion of maternal-newborn attachment using the nursing process, related concepts and evidences with concerning to client's rights, client safety, rational use of medicines, nursing ethics, and cultural diversity.

554494 NGOB 494 Maternal-Newborn Nursing and Midwifery Practicum 3 2(0-6-0)

Prerequisite: Concurrent to NGOB 314 (554314)

Practicing nursing care for normal postpartum mothers and postpartum mothers with complications including providing education regarding postpartum care and newborn care, promoting attachment between family members and newborns, postpartum visiting, and family planning services, and practicing care for newborn being with postpartum mother using the nursing process, related concepts and evidences with concerning to client's rights, client safety, rational use of medicines, nursing ethics, and cultural diversity.

555393 NGP 393 Pediatric and Adolescent Nursing Practicum 1 1(0-3-0)

Prerequisite: Concurrent to NGP 313 (555313)

Practicing nursing care for children and adolescences with normal health status including assessment of growth, nutritional status, and development, and promotion of development, nutritional status, health, and immunity using the nursing process, related concepts and evidences with concerning to child's rights, safety, nursing ethics, and cultural diversity.

555394 NGP 394 Pediatric and Adolescent Nursing Practicum 2 4(0-12-0)

Prerequisite: Concurrent to NGP 313 (555313) and NGP 393 (555393)

Practicing nursing care for newborns with health problems, and nursing care for children and adolescences with acute, critical, and chronic health problems using the nursing process, related concepts and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

556391 NGPN 391 Psychiatric and Mental Health Nursing Practicum 3(0-9-0)

Prerequisite: Concurrent to NGPN 311 (556311)

Practicing psychiatric and mental health nursing in hospital and community including use of therapeutic use of self and therapeutic communication techniques, provision of care for psychiatric patients, counseling for psychiatric patients, providing activities to enhance psychiatric patients' potentials, care and rehabilitation for psychiatric patients in community, and analysis of mental health and services in community using the nursing process, related concepts and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

561391 NGA 391 Adult and Gerontological Nursing Practicum 1 3(0-9-0)

Prerequisite: Concurrent to NGA 311 (561311) and NGA 312 (561312) and NGM 312 (553312)

Practicing holistic nursing care for adults and older adults with acute and chronic health problems in various body systems receiving medical treatments, including health promotion/disease prevention, treatment, and rehabilitation using the nursing process, related concepts and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

561392 NGA 392 Adult and Gerontological Nursing Practicum 2 3(0-9-0)

Prerequisite: Concurrent to NGA 311 (561311) and NGA 312 (561312) and NGM 312 (553312)

Practicing holistic nursing care for adults and older adults with acute and chronic health problems in various body systems receiving surgical treatments, including health promotion/disease prevention, treatment, and rehabilitation using the nursing process, related concepts and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

561491 NGA 491 Adult and Gerontological Nursing Practicum 3 2(0-6-0)

Prerequisite: NGA 391 (561391) and NGA 392 (561392)

Practicing holistic nursing care for adults and older adults with critical health problems including health promotion/disease prevention, treatment, rehabilitation, and end-of-life care using the nursing process, related concepts and evidences with concerning to patient's rights, patient's quality of life, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

(2.2.2) Elective Courses**Group A Nursing Leadership Practicum**

551481 NGC 481 Community Nursing Leadership Practicum 3(0-9-0)

Prerequisite: Fourth year standing and consent of the faculty

Practicing community nursing management, nursing team leadership, working with nursing team in team leader, team member and incharge role by applying management and community nursing knowledge and evidences to make nursing clinical judgement, assessment, planning, assigning, teaching/supervising, and coordinating. Practicing community nursing skills and evaluation using the nursing process, related concepts and evidences with concerning to client's rights, client safety, rational use of medicines, nursing ethics, and cultural diversity.

553481 NGM 481 Medical Nursing Leadership Practicum 3(0-9-0)

Prerequisite: Fourth year standing and consent of the faculty

Practicing medical nursing management, nursing team leadership, working with nursing team in team leader, team member and incharge role by applying management and medical nursing knowledge and evidences to make nursing clinical judgement, assessment, planning, assigning, teaching/supervising, and coordinating. Practicing medical nursing skills and evaluation using the nursing process, related concepts and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

554481 NGOB 481 Obstetric and Gynecological Nursing Leadership
Practicum 3(0-9-0)

Prerequisite: Fourth year standing and consent of the faculty

Practicing obstetric and gynecological nursing management, nursing team leadership, working with nursing team in team leader, team member and incharge role by applying management and obstetric and gynecological nursing knowledge and evidences to make nursing clinical judgement, assessment, planning, assigning, teaching/supervising, and coordinating. Practicing obstetric and gynecological nursing skills and evaluation using the nursing process, related concepts and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

555481 NGP 481 Pediatric Nursing Leadership Practicum 3(0-9-0)

Prerequisite: Fourth year standing and consent of the faculty

Practicing pediatric nursing management, nursing team leadership, working with nursing team in team leader, team member and incharge role by applying management and pediatric nursing knowledge and evidences to make nursing clinical judgement, assessment, planning, assigning, teaching/supervising, and coordinating. Practicing pediatric nursing skills and evaluation using the nursing process, related concepts and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

556481 NGPN 481 Psychiatric and Mental Health Nursing Leadership 3(0-9-0)
Practicum

Prerequisite: Fourth year standing and consent of the faculty

Practicing psychiatric and mental health nursing management, nursing team leadership, working with nursing team in team leader, team member and incharge role by applying management and psychiatric and mental health nursing knowledge and evidences to make nursing clinical judgement, assessment, planning, assigning, teaching/supervising, and coordinating. Practicing psychiatric and mental health nursing skills and evaluation using the nursing process, related concepts and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

557481 NGS 481 Surgical Nursing Leadership Practicum 3(0-9-0)

Prerequisite: Fourth year standing and consent of the faculty

Practicing surgical nursing management, nursing team leadership, working with nursing team in team leader, team member and incharge role by applying management and surgical nursing knowledge and evidences to make nursing clinical judgement, assessment, planning, assigning, teaching/supervising, and coordinating. Practicing surgical nursing skills and evaluation using the nursing process, related concepts and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

Group B Nursing Professional Internship

551482 NGC 482 Community Nursing Professional Internship 3(0-9-0)

Prerequisite: Fourth year standing and consent of the faculty

Practicing community nursing professional internship including assessment and analysis of client's needs and problems, planning nursing care, nursing decision making, performing nursing skills, evaluation of nursing care, working with nursing and health care team, and innovation development to enhance quality of community nursing practice using nursing knowledge, related knowledge and evidences with concerning to client's rights, client safety, rational use of medicines, nursing ethics, and cultural diversity.

553482 NGM 482 Medical Nursing Professional Internship 3(0-9-0)

Prerequisite: Fourth year standing and consent of the faculty

Practicing medical nursing professional internship including assessment and analysis of patient's needs and problems, planning nursing care, nursing decision making, performing nursing skills, evaluation of nursing care, working with nursing and health care team, and innovation development to enhance quality of medical nursing practice using nursing knowledge, related knowledge and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

554482 NGOB 482 Obstetric and Gynecological Nursing Professional Internship 3(0-9-0)

Prerequisite: Fourth year standing and consent of the faculty

Practicing obstetric and gynecological nursing professional internship including assessment and analysis of patient's needs and problems, planning nursing care, nursing decision making, performing nursing skills, evaluation of nursing care, working with nursing and health care team, and innovation development to enhance quality of obstetric and gynecological nursing practice using nursing knowledge, related knowledge and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

555482 NGP 482 Pediatric Nursing Professional Internship 3(0-9-0)

Prerequisite: Fourth year standing and consent of the faculty

Practicing pediatric nursing professional internship including assessment and analysis of patient's needs and problems, planning nursing care, nursing decision making, performing nursing skills, evaluation of nursing care, working with nursing and health care team, and innovation development to enhance quality of pediatric nursing practice using nursing knowledge, related knowledge and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

556482 NGPN 482 Psychiatric and Mental Health Nursing Professional Internship 3(0-9-0)

Prerequisite: Fourth year standing and consent of the faculty

Practicing psychiatric and mental health nursing professional internship including assessment and analysis of patient's needs and problems, planning nursing care, nursing decision making, performing nursing skills, evaluation of nursing care, working with nursing and health care team, and innovation development to enhance quality of psychiatric and mental health nursing practice using nursing knowledge, related knowledge and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

557482 NGS 482 Surgical Nursing Professional Internship 3(0-9-0)

Prerequisite: Fourth year standing and consent of the faculty

Practicing surgical nursing professional internship including assessment and analysis of patient's needs and problems, planning nursing care, nursing decision making, performing nursing skills, evaluation of nursing care, working with nursing and health care team, and innovation development to enhance quality of surgical nursing practice using nursing knowledge, related knowledge and evidences with concerning to patient's rights, patient safety, rational use of medicines, nursing ethics, and cultural diversity.

Undergraduate Clinical Guidelines

Introduction

Clinical practices provide the means by which students apply theory and skills learned in the classroom and clinical laboratories into the practical setting, where they are practiced and refined. Consequently, clinical practices are fundamental components of the Nursing and Midwifery Practice units throughout the undergraduate program. In order to achieve a pass in Nursing/Midwifery Practice units, students are required to achieve a satisfactory result for clinical practices.

This booklet has been designed to provide important information for undergraduate nursing students about clinical practice requirements.

Introduction to the Clinical Component of the Bachelor of Nursing Science Program

Clinical practice is a compulsory component of the Bachelor of Nursing Science Program within the FON at CMU. It forms a part of the requirements for the Nursing Practice units at 2nd, 3rd, and 4th year, therefore, a minimum grade of C for clinical practicum is required in order to achieve a pass for the unit to which it is linked.

Clinical practicum across the courses is undertaken within a wide range of health care and community settings. Experiences available in a particular year are dependent upon the types of practices that the School is able to secure for that year.

Clinical Settings

A wide variety of clinical settings are utilised for clinical practices to provide opportunities for students to access relevant learning opportunities. These settings often are located within local areas, but there are a range of practices throughout Chiang Mai metropolitan area, nearby provinces and rural areas. The Faculty does, where possible, endeavour to keep students as close to university as can be arranged.

Student Responsibilities

Clinical experience involves a number of responsibilities for students. It is important that students are aware of what is expected of them.

Students have a responsibility to:

- Be aware of their clinical objectives for the particular course and practice
- Be punctual (arriving for a shift at least 30 minutes prior to its giving report)
- Be professionally presented as per requirements
- Abide by the Code of Professional Conduct for Nurses and Midwives as well as the Code of Ethics for Nurses and Midwives
- Be proactive in seeking out learning opportunities
- Maintain patient/client, staff and peer confidentiality
- Identify individual learning requirements
- Only carry out procedures under supervision of clinical instructors
- Be fit for undertaking clinical practice including maintaining own health and adequate rest
- Be able to undertake shift work where required within a practice
- Complete the clinical objectives for the practice
- Notify the clinical instructor when unable to practice

Clinical AssessmentBachelor of Nursing Science Program

The clinical practice experience booklet and clinical practice evaluation form utilized within the Bachelor of Nursing Science program is modelled on the Thai Nursing Council Competencies for Registration as a Nurse.

The clinical practice experience booklet presents specifically required performances reflecting nursing competencies as stated by the Thai Nursing Council. The evaluated items of the clinical practice evaluation form link to the objectives of individual courses.

The students are expected to demonstrate their ability to prioritise and implement care in a timely manner, and display a sound knowledge of their patient's/client's conditions, investigations and medications. Therefore, by the end of each course, students should be able to meet required competencies. All competencies should be fulfilled before their graduation as well as being eligible for registration as a professional nurse. Students should be aware of the competencies and be seeking to work towards their achievement in all clinical areas.

Unsatisfactory Clinical Assessment

A clinical instructor may make unsatisfactory assessments for a number of reasons. These may include unsafe practice, poorly developed clinical skills, or illness during the practice making achievement of clinical objectives difficult. The assessment may also be based upon a clinical instructor's decision that further clinical time is required in order to develop particular clinical skills.

Confidentiality

Students are reminded of their responsibility to ensure confidentiality of information, including patient/client, staff and other.

Uniform Requirements

Professional appearance is fundamental to nursing practice. Adhering to professional dress codes can assist students to acquire the confidence of their patients/clients. Nurses also have a professional responsibility to ensure safety and hygiene of their patients/clients. The FON has a professional dress code to be adhered to by all students representing the Faculty. The dress code is designed to be practical for delivering care, minimizing potential cross infection, promoting safety for patients/clients.

Any student not adhering to the Faculty's requirements may not be allowed to practice at clinical settings, with time lost having to be made up at a later stage.

Students practicing in community settings are required to wear the community uniform. Students' uniform must be neat and professionally attired. Clinical instructors may not allow students to practice if dress is inappropriate.

Prescribed uniform is to be worn by all students undertaking the practicum courses of the Bachelor of Nursing Science Program.

The prescribed uniform is as follows:

Uniform essentials

University Uniform (for women)

- White short sleeved with university button through shirt and university pin
- Black, navy blue, or brown plain colour skirt
- Black or brown university belt
- White socks and white flat enclosed toe shoes except for court shoes, and they are to be kept white at all times (for the first year students)
- Black flat enclosed toe shoes except for court shoes, and they are to be kept polished at all times (for the second, third, and fourth year students)

University Uniform (for men)

- White short sleeved with button through shirt
- University color neck tie (for the first year students)
- Black, navy blue, or brown plain color trousers
- Polite colour socks
- Black or brown university belt
- Black flat enclosed toe shoes except for court shoes, and they are to be kept polished at all times

Clinical Practicum Uniform (for women)

- Blue suit with short sleeved button through shirt
- White apron
- White socks
- White flat enclosed toe shoes except for court shoes, and they are to be kept white at all times

Clinical Practicum Uniform (for men)

- White shirt with short sleeved button through shirt and white trousers
- Polite colour socks
- Black flat enclosed toe shoes except for court shoes, and they are to be kept polished at all times

Community Practicum Uniform

- Blue short sleeved button through shirt with the Faculty logo at the pocket
- Black trousers
- Polite colour socks
- Black flat enclosed toe shoes eg. court shoes, and they are to be kept polished at all times

Uniform length

The length of the skirt must be such that the base of the hem touches the ground when kneeling.

Hair

- Hair must be kept neat, tidy and clean at all times.
- For men, hair must be kept short and neat.
- For women, long hair must be tied in a ponytail or plait and fastened in such a manner that it is not below the bottom level of the collar at the back of the uniform.
- Scrunchies, hair combs and other hair fasteners are to be of a neutral colour, or in a colour that complements the uniform. Scarves are not to be worn with the uniform unless for religious reasons.
- Facial hair – clean shaven or a neatly trimmed beard

Fingernails

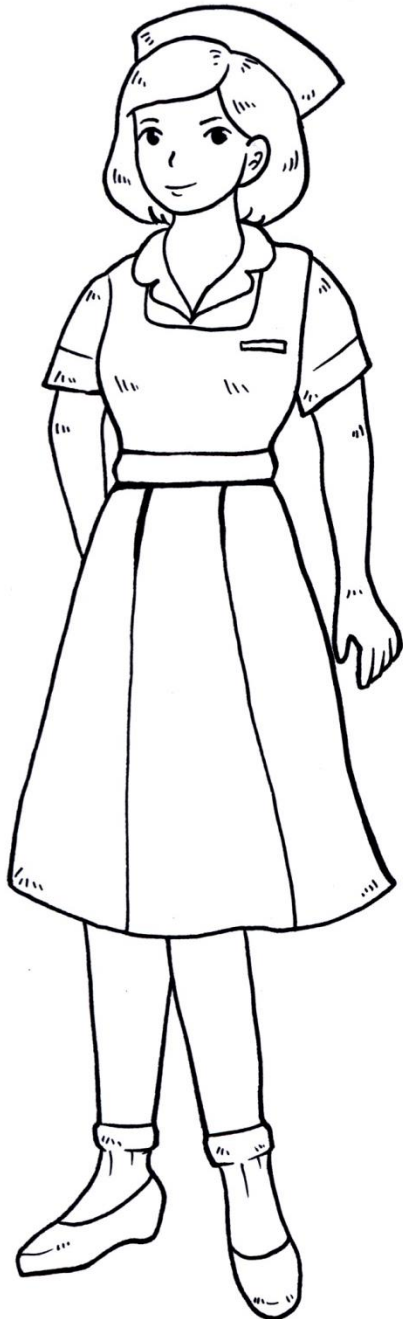
- These must be kept clean and well-manicured.
- Fingernails should not be visible over the end of the fingers when the hands are held with the palms facing up.
- Coloured nail varnish is *not* to be worn during clinical practices.

Jewellery

- No jewelry to be worn during practices.
- No facial or other visible body piercing is acceptable unless culturally or religiously appropriate

Clinical Practicum Uniform

For women student

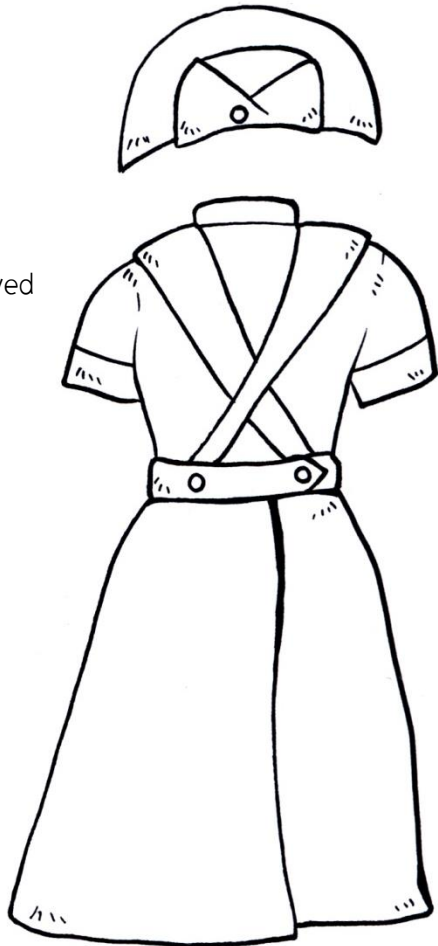


Front

Blue suit with short sleeved
button through shirt

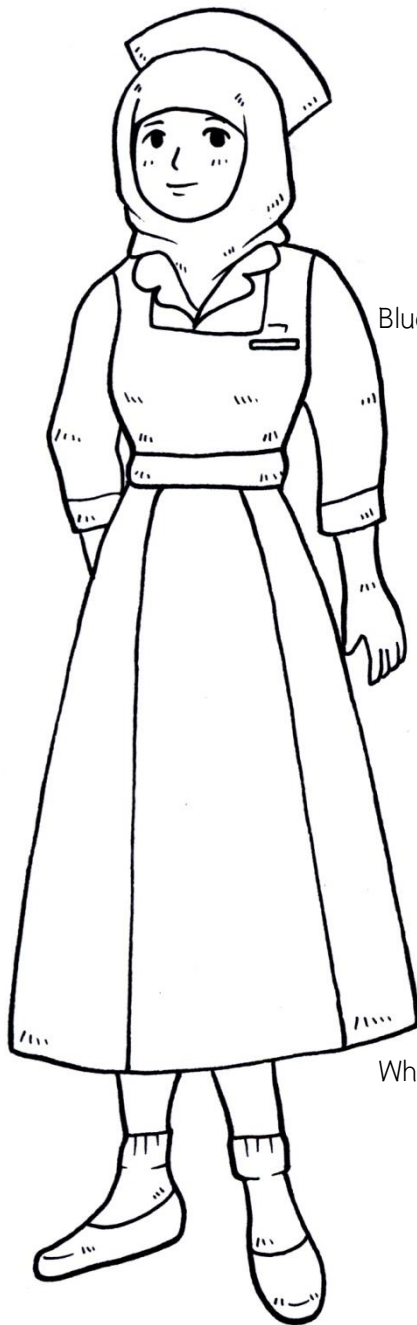
White apron

White socks and shoes



Back

For Muslim student

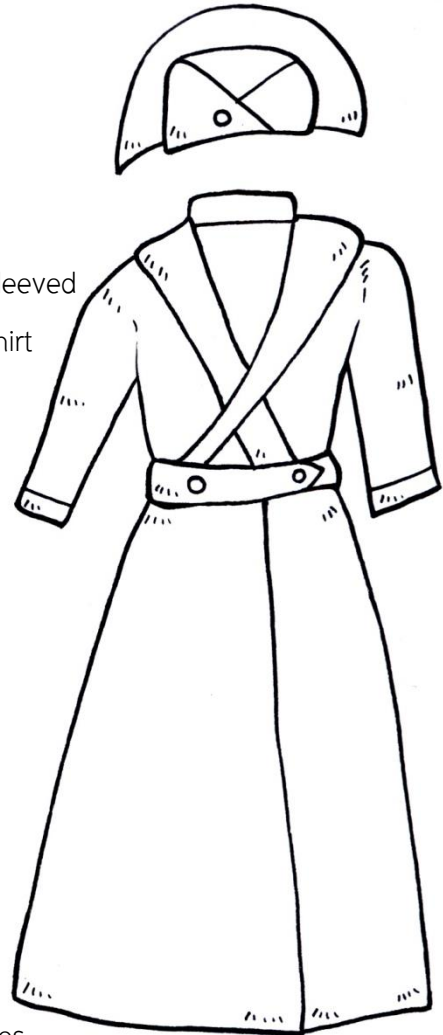


Front

Blue suit with long sleeved
button through shirt

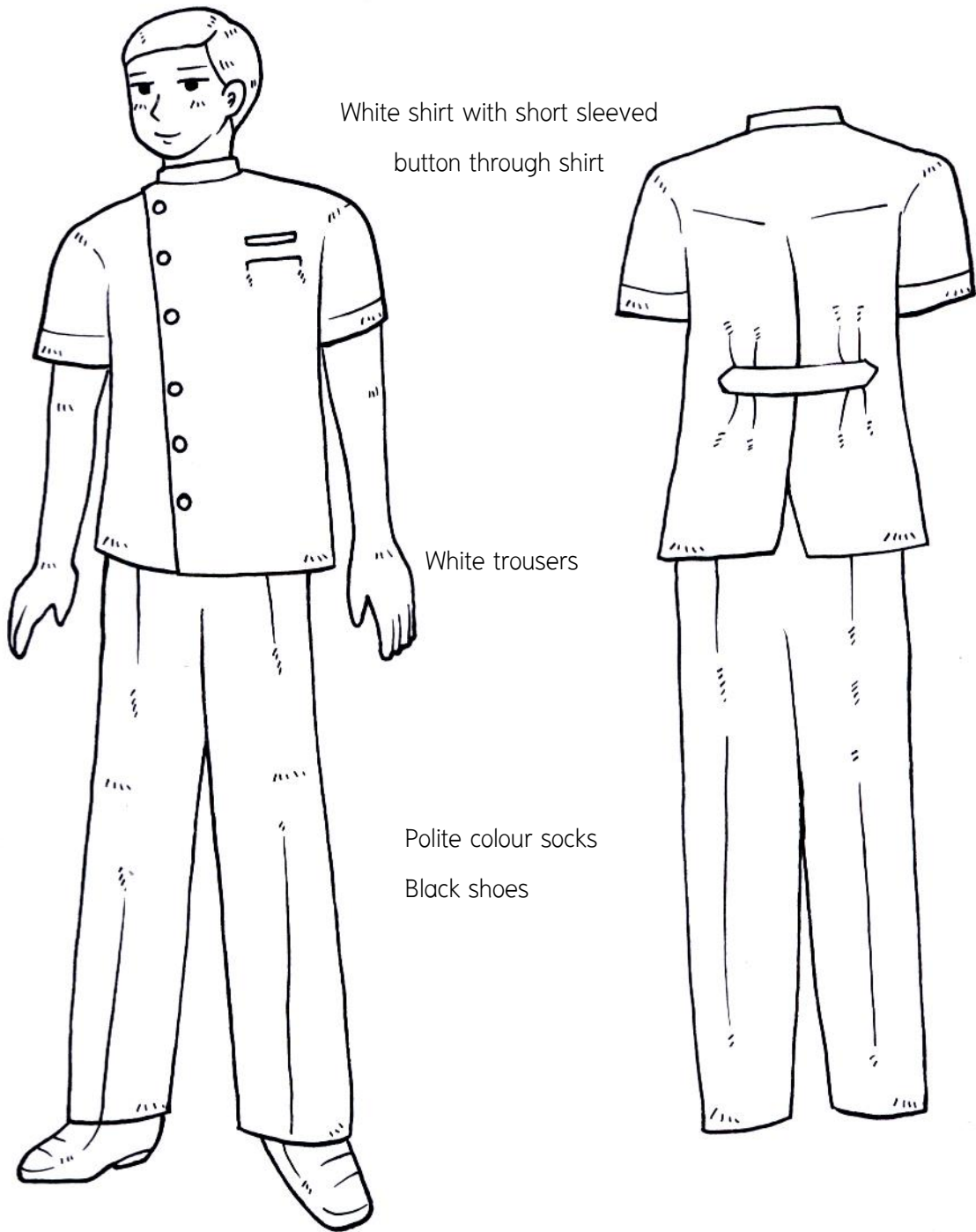
White apron

White socks and shoes



Back

For men student



White shirt with short sleeved
button through shirt

White trousers

Polite colour socks
Black shoes

Front

Back

Community Practicum Uniform

For women student



Front

Blue short sleeved
button through shirt

Black trousers

Polite colour socks
Black shoes



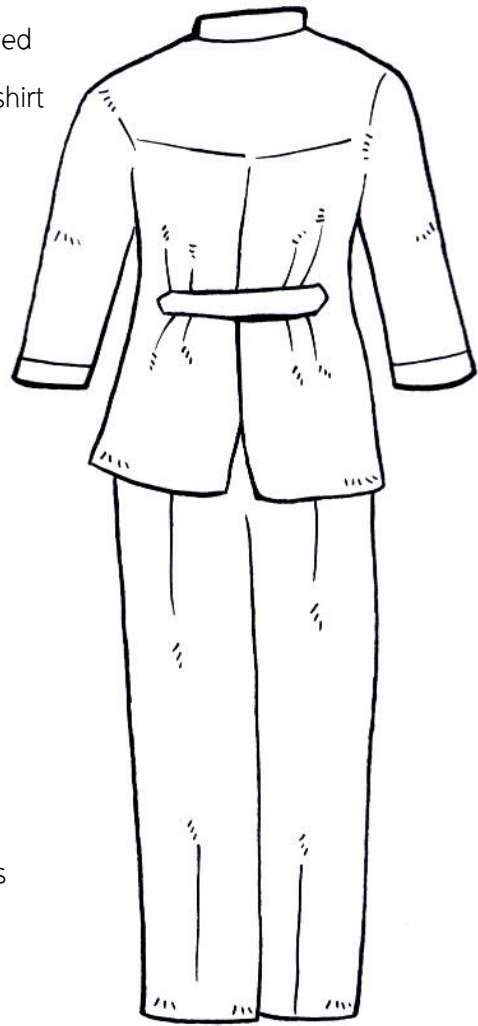
Back

For Muslim student



Front

Blue long sleeved
button through shirt

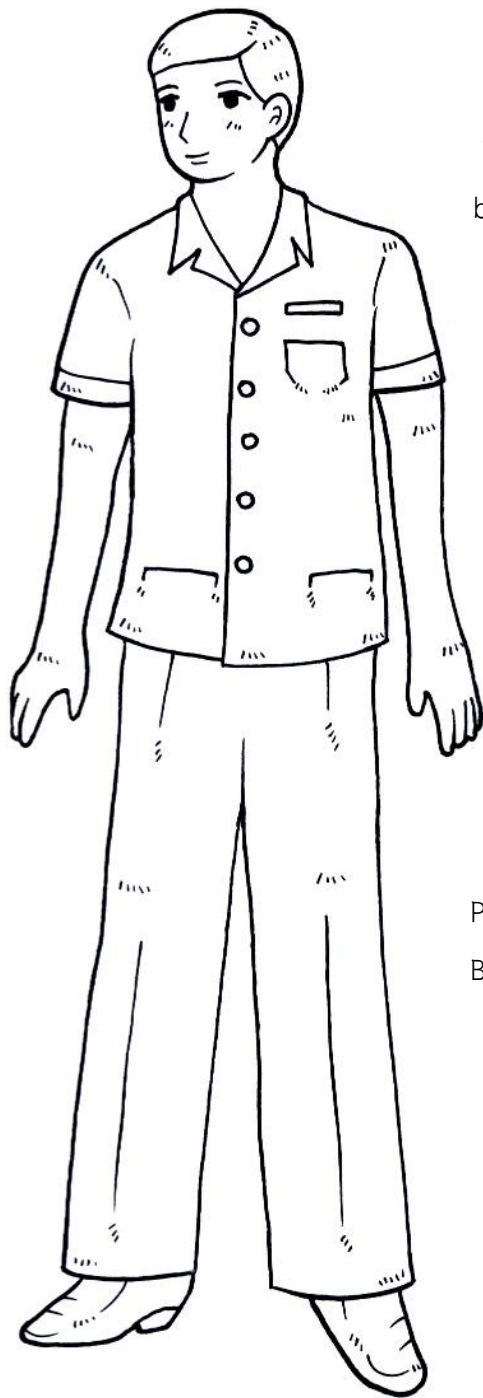


Black trousers

Polite colour socks
Black shoes

Back

For men student

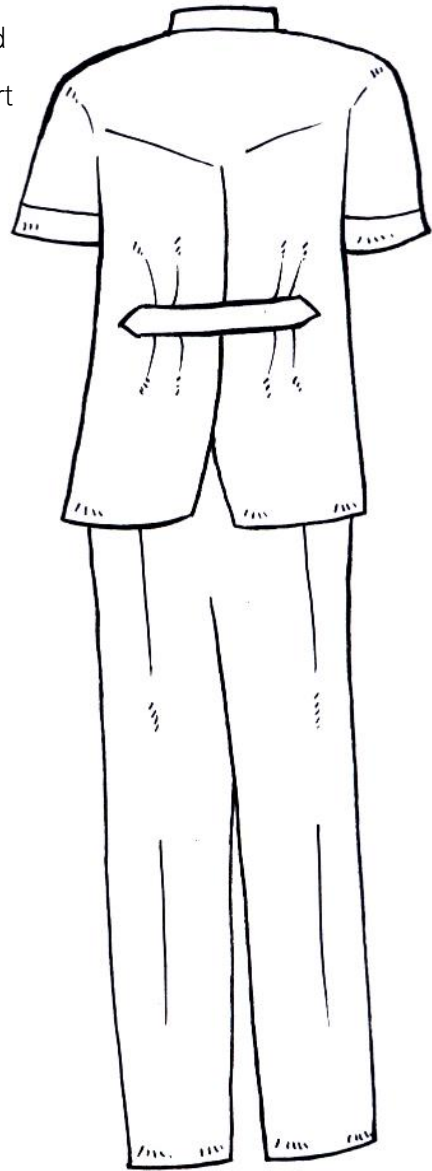


Front

Blue short sleeved
button through shirt

Black trousers

Polite colour socks
Black shoes



Back

Additional required items to be taken to clinical practices

All students are required to carry the following at all times during clinical practices:

- CMU identification badge (student I.D. card). This should be clearly affixed to the front of the uniform in a position where it is clearly visible and able to be read. The badge should be positioned where it will not endanger the patient/client. Stickers are not to be placed where they may obscure either the student's name or photograph
- The FON has approved the wearing of lanyards. I.D. badges may be attached to these. Any lanyard worn **MUST** be on a breakaway cord. These can be purchased from the School Administration office staff.
- Fob watch with a sweep second hand
- Blue or black pen, red pen, pencil, and a pocket-sized notepad
- Stethoscope (*optional*)
- Objectives for the current clinical practice courses
- The clinical practice experience booklet

Clinical Attendance and Make-up

Attendance

100% attendance is required for clinical practices. However, students should remember that attending clinical practicum with an illness may pose a risk to patients/clients whose immunity may already be compromised, as well as putting colleagues and yourself at risk.

In the event of being unable to attend a clinical practice, the student has a number of responsibilities:

1. To notify the clinical instructor *prior* to the day shift to be missed.
2. To notify the academic advisor as early as possible.
3. To obtain a medical certificate for any missed time exceeding one day.
4. On return to clinical practice, the medical certificate, along with an application for special consideration if necessary, are to be presented to the course instructor.

Clinical Make-Up

It is *not* automatic that students will be permitted to make-up missed clinical time. The Clinical instructor will consider all absences individually and decide whether to grant make-up.

Individually missed clinical days generally will be required to be made-up following completion of such practicum courses. Single days may be carried across into the free time between the practicum block or during a semester break within same academic year of the program. Students are encouraged to negotiate with clinical instructors throughout the course in order to make these up. Please note that granting of such make-up will depend upon approval from clinical instructors responsible for the course.

If a student fails a practicum course, he/she is required to repeat such component. The student need to register such practicum course again and all requirements attached to the course **must** also be repeated. Previous clinical time will not be taken into consideration in regards to negating accumulated time to be made up.

Forms for Nurses' Council of Thailand license examination registration cannot be sent by the Faculty until all course requirements are met, failure to complete all courses may delay the granting of license examination registration.

Accidents/Injuries on Clinical practices

Accidents and injuries to students occur from time to time. It is important in order to protect the student that certain steps are taken. It is in the student's own interest to ensure that the following occurs:

1. An *Incident Form* from the Faculty is completed, and a photocopy is made and forwarded to the Clinical practice setting by the clinical instructor.
2. The clinical instructor is required to notify the Faculty within 24 hours of the incident occurring, preferably at the time.
3. In the case of needlestick injuries or potential contamination by bodily fluids, all procedures are followed as per the hospitals' as well as the FON's own policies.

Withdrawal from Clinical practice

Students are reminded that certain circumstances, such as unsafe or unprofessional conduct, may warrant removal from a clinical setting.

In addition, students may be withdrawn from clinical practices if their physical or mental health is believed to be such that it may affect patient/client care, safety of self or others, and/or clinical performance.

Students are also expected to be aware of their relevant professional codes: Code of Professional Conduct for Nurses and Midwives as well as the Code of Ethics for Nurses and Midwives. Failure to abide by these generally will result in removal from the clinical practicum course.

Faculty of Nursing Drug Administration Policy

INTRODUCTION

A drug is any substance which when taken into the body, has the power to change or alter the structure and/or function of the body. Drugs may be taken for two reasons: recreational use, or therapeutic use. This policy relates to drugs which are administered and/or taken for therapeutic purposes. Therapeutic drugs are those which are organic and/or synthetic.

Whilst the physiological, cognitive, and/or behavioural effects of each drug may have useful properties in specific disease, illness or behavioural processes, all prescribed drugs are considered potentially harmful to the recipient and therefore must be prescribed and administered with the optimum of care, precision and accuracy.

Drugs may be administered by various routes including oral, intravenous, intramuscular, subcutaneous, intradermal, rectal, and vaginal. They may also be administered into eyes, ears and nose and via the skin and mucous membranes.

NB: Oxygen is considered to be a drug.

PRINCIPLES OF SAFE DRUG ADMINISTRATION

1. An awareness of the patient's previous prescribed drugs and social drug history is essential prior to drug administration.
2. Safe administration of drugs requires knowledge of the patient's age, diet, sensitivities, allergies and medical diagnoses.
3. Safe administration of drugs requires having a current legible medical prescription stating: the specific drug using its generic name, its dose, frequency and route, date written and a doctor's signature.
4. Safe administration of drugs includes informing the recipient of the nature of the drugs being administered and reasons for administering.
5. Safe preparation and administration of drugs requires knowledge of compatibility with other drugs.
6. Safe preparation and administration of drugs requires knowledge of the broad actions, side effects and contraindications.
7. Maintenance of a safe environment prior to, and following drug administration is essential for safe practice.
8. Recording of drug administration needs to be accurate and legible.
9. Omitted or refused drugs are promptly reported and recorded.
10. Drug administration errors are reported and recorded immediately.
11. Following administration of a drug, the person administering is responsible for observing the patient's reaction to the drug for up to 30 minutes after administration depending on the substance and route.

LEGAL IMPLICATIONS

Students administering drugs to patients/clients should remember that they have a duty of care to ensure that all procedures are carried out in the safe administration of medications. Furthermore, that these procedures help to ensure that negligence cases do not eventuate.

Prior to the administration of any drug, consent from the recipient must be sought. Consent may be implied, verbal or in writing.

PROTOCOL FOR CHECKING DRUGS

Checking and administration of drugs involves:

1. Reading all details included in the written order. Note particular precautions required for safe administration
2. Checking the drug administration sheet as to when the last dose was given
3. Checking the label on the outside of the drug container to make sure that the correct drug and the correct dosage is chosen and the expiry date of the drug has not passed.
4. Checking the identity of the patient/client.
5. Administering the drug via the correct route.
6. Signing of the drug administration chart in the appropriate place to indicate that the drug has been given.
7. The instructor or the registration nurse should be with the student at every step of drug administration.

DRUG ADMINISTRATION POLICY

General policies

Many hospitals have additional procedures to government regulations for the storage, prescription and administration of drugs within the particular facility. Furthermore, many facilities have policies related to the administration of drugs within the particular venue. It is, therefore, imperative that students and clinical instructors are aware of any such policies and abide by them. However, in relation to Drugs of Addiction, the above rule still applies.

Year Two

Year two provides students with more complex learning experiences than in year one, including that of pharmacology. These experiences require students to develop increased skills as well as a responsible attitude to the administration of drugs. It is essential to adhere to the following policy.

Clinical instructors and students are regarded as one person in relation to the checking and administration of drugs.

After completion of theory specific to the skills listed below, and under the close supervision of a clinical instructor or other Registered Nurse/Midwife, for the entire procedure, students are permitted to:

1. administer oral medications;
2. administer drugs via a nasogastric tube;
3. instil therapeutic substances into the bladder via an indwelling catheter, into the rectum via the anus and into the vagina;
4. apply topical drugs to the eye, eyelid, ear and any other part of the body as ordered by a medical practitioner;
5. instil eye drops, eardrops and nasal drops;
6. administer drugs via the following types of injection –
 - *subcutaneous*
 - *intramuscular*
 - *intravenous **antibiotics only** via a previously inserted intravenous device.*
7. regulate the flow of intravenous fluid into an existing peripheral intravenous line where there are no additives in the intravenous flask or bag. The existing intravenous line may be regulated by gravity flow or by an infusion pump

Year Three

By the beginning of third year it is expected that students should have developed an acceptable level of competence with regard to drug administration. Students are, therefore

permitted, under the supervision of a registered nurse, to undertake those practices for which they have been educationally prepared.

Under the close supervision of a clinical instructor or other Registered Nurse, for the entire procedure, students are permitted to:

1. Administer all drugs of addiction given by any route;
2. Administer all drugs administered by injection or infusion including Schedule 8 drugs, restricted substances and unrestricted substances including intravenous fluids;
3. Add drugs to intravenous fluid bags *prior* to attaching to a single, existing intravenous line;
4. Administer restricted substances;
5. Administer all other non-restricted drugs; and
6. Regulate the flow of intravenous fluid into an existing peripheral intravenous line where there are additives in the intravenous flask or bag, and where the existing intravenous line is currently being regulated by an infusion pump.



**Undergraduate Unit, Education Services and Student Quality
Development Section**

Faculty of Nursing Chiang Mai University



Core Values: Faculty of Nursing Chiang Mai University

- F** Focus on Quality (การมุ่งเน้นคุณภาพ)
- O** Organizational Leadership (การนำองค์กรอย่างมีวิสัยทัศน์)
- N** Nurturing (การดูแลเอาใจใส่)
- C** Commitment and Community concerned (ความผูกพันและมุ่งมั่นทุ่มเท
และความรับผิดชอบต่อชุมชนและสังคม)
- M** Morality (คุณธรรม)
- U** Unity (ความเป็นเอกภาพ)

110/406 Inthawaroros Road, SriPhum District,
Chiang Mai Thailand 50200

Tel: +66 53 90 5025 Fax: +66 53 89 4172

<http://www.nurse.cmu.ac.th/web/Default.aspx>