

## Course details

**51106 Pathophysiology and Clinical Pharmacology for Nurses (6 credits)**

**Expected learning outcomes**

1. Able to explain the pathophysiology of common health problems.
2. Able to analyze the pathophysiology of health problems that arise and prepare a nursing plan for the patients.
3. Able to explain the mechanism of action and side effects of medications used to treat patients.
4. Able to explain a nurse's competencies in rational drug use.
5. Able to describe the nursing care for patients receiving the major groups of commonly used medications.

**Course description**

The course covers pathophysiology of common major health problems, the major groups of medications used to treat those conditions, the action mechanisms of common groups of medication and their side effects on different body systems, competencies in rational drug use, and nursing care for patients receiving major groups of commonly used medications.

**51107 Biochemistry, Nutrition and Diet Therapy for Nurses (6 credits)**

**Expected learning outcomes**

1. Able to explain the structure and characteristics of different nutrients and metabolic pathways.
2. Able to explain the food digestion and absorption process and factors that affect nutrient digestion and absorption.
3. Able to explain how certain physiological abnormalities that impact the body's use and the nutrient balance control.
4. Able to explain the relationship between nutrition and health status.
5. Able to describe to the relation between nutrition and health status.
6. Able to explain nutritional therapy.
7. Able to assess the nutritional status of the patients.
8. Able to plan for providing advice and care to patients about correct and appropriate nutrition for health status.

### Course description

The course provides fundamental knowledge about the structure and characteristics of different nutrients, metabolic pathway of nutrients, factors that affect the human body's digestion, absorption, and utilization of different nutrients, physiological abnormalities that impact the utilization and controlling nutrients balance,

relationship between nutrition and health status, proper foods for normal conditions and sick conditions, approaches to nutritional therapy, nutrition assessment of the patients, planning for nutritional therapy, and advising appropriate diet for physical condition.

**51108 Concepts, Nursing Theory and Nursing Process (6 credits)**

### Expected learning outcomes

1. Able to explain the basic concepts and selected theories about selected nursing pathways.
2. Able to explain the development and the factors that impact the nursing profession.
3. Able to explain nursing care according to life development and the health status of patients at each stage of life.
4. Able to explain the rational drug use and the ultimate safety of both the patient and the healthcare provider.
5. Able to explain principles of professional ethics, laws related to the nursing and midwifery professions, and the rights both of patients and nurses.
6. Able to correctly use the nursing process to provide care for individuals, families and communities.
7. Able to state the rights both of patients and nurses.

### Course description

The course covers nursing concepts and theories, the development and factors affecting; the nursing aligned with life development; utilization of nursing theories and the nursing process to care for individuals, families, and communities principles of the rational drug use; safety of both patients and practitioners; principles of professional ethics; laws related to nursing and midwifery professions, and the rights of both patients and nurses.

**51109 Fundamental Nursing and Practicum****(6 credits)****Expected learning outcomes**

1. Able to explain basic principles of nursing, personal health assessment, and support for medical diagnosis and medical examination procedures.
2. Able to explain the basic physical, emotional, social and spiritual needs of people in different healthcare situations.
3. Practice nursing following the principles and basic nursing techniques by using the nursing process, while taking into consideration of patients' rights, cultural differences, moral, ethical, and professional laws.
4. Able to assess the health of individuals and families.
5. Able to work well in a nursing team, using good human relations and effective communication.

**Course description**

The course covers foundational concepts and principles of nursing, health assessment, how to meet the basic physical, emotional, social and spiritual needs of individuals and family members while working in healthcare and in everyday life, arranging a good environment for daily activities, how to maintain good posture and use proper body mechanics, how to use the nursing process, how to inform and educate patients, sterile technique, prevention of infection and pathogen spread, and how to perform basic procedures with medical equipment such as retaining drainages, oxygenation, and intravenous fluid therapy. It also covers how to provide support medical diagnosis and examinations.

In the practical component, the course addresses nursing practicum using the nursing process based on the principles and techniques of fundamental nursing, providing care for responding to the basic physical, emotional, social and spiritual needs of individuals and family members while functioning and maintain their own daily activities, arranging a suitable environment, maintaining good posture and using proper body mechanics, using the nursing process, educating patients, applying sterile technique and principle of aseptic techniques and principles of preventing the spread of pathogens, and properly performing procedures with medical equipment such as retaining drainages, oxygenation, and intravenous fluid therapy. It also covers practice supporting medical diagnosis and examinations while taking into consideration of patients' rights, cultural differences, moral, ethical, and professional laws.

**51110 Adult Nursing****(6 credits)****Expected learning outcomes**

1. Able to explain nursing concepts and principles for caring for adults in emergency, critical, and chronic health problems.
2. Able to articulate the causes, problems and physical reactions of adults undergoing various health problems.
3. Able to evaluate the health status of adults with various health problem conditions.
4. Able to describe recommended nursing care for adults with various health problems.
5. Able to explain concepts and principles of nursing for emergencies, injuries and natural disasters.

**Course description**

The course covers concepts and principles about providing nursing care for adults who are at risk, in an emergency, in critical care, or with chronic conditions in both medical and surgical departments; The course also covers adults with communicable diseases; tropical diseases; dermatological systems, cardiovascular systems; respiratory systems; hematological systems; immune systems; ear, nose, and throat systems; infections; fluid, electrolyte and acid-base imbalances; neurological systems, digestive systems, endocrine systems, urinary tract systems, and skeleton-muscular systems. Besides, this course covers adults with gynecological health problems, cancer; and nursing care at every stage of surgeries. This course covers health promotion, disease prevention, curation, and rehabilitation with holistic approach Also covered are nursing procedures for emergency, accident, and natural disaster situations; and the rational drug use when providing nursing care for people from diverse cultural backgrounds under code of ethics, ethical, and professional laws.

**51111 Adult Nursing Practicum****(6 credits)****Expected learning outcomes**

1. Able to accurately assess the health status of adults and families with various conditions.
2. Able to make a comprehensive plan to provide holistic nursing care for adults with various health problems.
3. Able to provide nursing care for adults with various health problems while taking into consideration of patients' rights, cultural differences, moral, ethical, and professional laws.
4. Able to search for and use empirical evidence practices to provide nursing care for adults with various health problems.
5. Able to work well in a nursing team, using good human relations and effective communication.

**Course description**

The course covers practice providing holistic nursing care for adults who are at risk, in an emergency, in critical care, or with chronic conditions in both medical and surgical departments; The course also covers adults with communicable diseases; tropical diseases; dermatological systems, cardiovascular systems; respiratory systems; hematological systems; immune systems; ear, nose, and throat systems; infections; fluid, electrolyte and acid-base imbalances; neurological systems, digestive systems, endocrine systems, urinary tract systems, and skeleton-muscular systems. Besides, this course covers adults with gynecological health problems, cancer, as well as nursing procedures for emergency, accident, and natural disaster situations. This practicum covers the rational drug use, appropriately apply nursing process as well as empirical evidence when providing nursing care for people while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.

**51209 Child and Adolescent Nursing and Practicum****(6 credits)****Expected learning outcomes**

1. Able to explain nursing concepts and principles for caring for children and adolescents in emergency, critical, and chronic care situations, either in a hospital or at their homes.
2. Able to define the causes, problems, and the physical response processes in children and adolescents with various health problems.
3. Able to assess the health status of children, adolescents and family members with various health conditions.
4. Able to articulate approaches and make a nursing care for children and adolescents with various health problems, either in a hospital or at their homes.
5. Able to provide nursing care for children and adolescents with various health problems while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.
6. Able to search for and use empirical evidence to provide nursing care for children and adolescents with various health problems.
7. Able to work well in a nursing team, using good human relations and effective communication.

**Course description**

The course covers nursing concepts and principles for nursing care of children and adolescents, normal growth and development at different age ranges, good nutrition promotion, immunization, nursing care for children and adolescents with emergency, critical and chronic health problems, care for end-of-life patients, rational drug use, accidents prevention and assistance in children that experienced an accident or poisoning. Also covered are ways to promote good health and prevent diseases in children and adolescents, and rehabilitation and holistic health provision for young patients and their families from diverse cultural backgrounds, whether at a medical facility or in their own home.

The course covers practice providing holistic nursing care appropriate for children and adolescents at different stages of at different age ranges, good nutrition promotion, immunization, nursing care for children and adolescents with emergency, critical and chronic health problems, care for end-of-life patients, rational drug use, accidents prevention and assistance in children that experienced an accident or poisoning The practicum also includes applying nursing process and appropriate empirical evidence practices to provide care for young patients while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.

**51210 Maternal-Newborn Nursing, Midwifery and Practicum I (6 credits)**

**Expected learning outcomes**

1. Able to explain the concepts and principles of maternal and newborn nursing and midwifery.
2. Able to articulate family planning methods and provide accurate advice for pre-marriage women.
3. Able to assess the health of mothers and babies during pregnancy, childbirth and postpartum for normal cases.
4. Able to articulate nursing approaches and make comprehensive nursing care plans for mothers, newborns, and family members during pregnancy, childbirth and postpartum for normal cases.
5. Able to explain the principles of promoting breastfeeding and promoting good bonding among mothers, newborns and other family members.
6. Able to provide nursing care for mothers, babies, and family members during pregnancy, childbirth and postpartum for normal cases, while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.
7. Able to search for and use empirical evidence practices to provide nursing care for mothers, babies, and family members for normal cases.
8. Able to work well in a nursing, using good human relations and effective communication.

### Course description

The course covers concepts and principles of maternal and newborn nursing and midwifery, including pre-marital counseling, family planning, and providing comprehensive care for mothers and babies during pregnancy, childbirth and postpartum for normal cases. Also covered are approaches to promoting breastfeeding and promoting good relationships among mothers, babies and other family members under multicultural environments.

The practical component includes practice in providing nursing care for mothers and babies during pregnancy, childbirth and postpartum for normal cases with normal deliveries, as well as newborn care, promoting breastfeeding, and promoting mother-child bonding and good family relationships by utilizing empirical evidence practices as appropriate to provide nursing care for mothers, babies, and family members while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.

### 51211 Psychiatric and Mental Health Nursing and Practicum (6 credits)

#### Expected learning outcomes

1. Able to explain concepts and principles of psychiatric and mental health nursing.
2. Able to state the nature and extent of psychiatric and mental health nursing and the role of nurses in both the mental health context.
3. Able to evaluate the psychiatric status of a patient and state risk factors that impact an individual's mental health status.
4. Able to articulate approaches and plan comprehensive nursing care for people with mental health problems and psycho-social conditions or patients with psychiatric abnormalities.
5. Able to provide nursing care for people with mental health problems, psycho-social conditions or patients with psychiatric abnormalities while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.
6. Able to search for and use empirical evidence practices to provide nursing care for people with mental health or psycho-social problems or patients with psychiatric abnormalities.
7. Able to work well in a nursing, using good human relations and effective communication.



### Course description

The course covers concepts and theories of psychiatric and mental health care nursing, basic principles, characteristics and boundaries of psychiatric and mental health care, the role of nurses in the mental health care system, and principles of nursing care for people with mental health problems and psycho-social conditions or patients with psychiatric abnormalities. The course also covers concepts of psychiatric treatment and therapy, the rational drug use, and equipment that may be used in mental health care. In addition, students will learn about mental health promotion, recommended measures to prevent mental health problems, and comprehensive rehabilitation for mental health patients from diverse cultural backgrounds.

In the practicum component, the course covers practice providing nursing care for people with mental health problems and psycho-social conditions or patients with psychiatric abnormalities and their families as well as the rational and safe use of psychoactive medications. The course covers health promotion, disease prevention, curation, and rehabilitation for people with multicultural

### **51212 Maternal-Newborn Nursing, Midwifery and Practicum II (6 credits)**

#### **Expected learning outcomes**

1. Able to explain the concepts and principles of maternal and newborn nursing and midwifery for high-risk cases or cases with complications.
2. Able to assess the health status of mothers and newborns in high-risk cases or cases with complications during pregnancy, childbirth and postpartum.
3. Able to articulate approaches and make plans to provide holistic nursing care for mothers, babies and other family members in high-risk cases or cases with complications during pregnancy, childbirth and postpartum.
4. Able to explain the principles of nursing care for assisting with the use of special diagnostic and obstetric equipment or during an assisted delivery.
5. Able to provide nursing care for mothers, babies, and family members in high-risk cases or cases with complications during pregnancy, childbirth and postpartum while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.

6. Able to search for and use empirical evidence practices to provide nursing care for mothers, babies, and family members in high- risk cases or cases with complications.
7. Able to work well in a nursing, using good human relations and effective communication.

### **Course description**

The course covers concepts and principles of nursing care for mothers and newborns in high-risk cases or cases with complications during pregnancy, childbirth and postpartum, assessment and screening of mothers and babies for risk factors, referral, providing assistance and rehabilitation. Also covered are the reasonable and safe use of medications, how to assist during assisted deliveries, and measures to prevent injuries and promote good health. Students will learn about how to provide holistic hospitalization and rehabilitation nursing services to patients from diverse cultural backgrounds.

In the practical component, the course addresses practicum to provide holistic nursing care for mothers and newborns in high-risk cases or cases with complications during pregnancy, childbirth and postpartum, reasonable and safe use of medications, how to assist a practitioner during the use of special obstetric and diagnostic equipment, and how to provide nursing care during an assisted delivery. Students will practice using the nursing process and empirical evidence practices to provide nursing care while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.

**51310 Statistics, Research and Nursing Informatics (6 credits)**

### **Expected learning outcomes**

1. Able to explain basic knowledge about research and the research process, research ethics and moral conduct of researchers.
2. Able to search for and apply empirical evidence knowledge in the field of nursing.
3. Able to use the research process to solve a nursing problem.
4. Able to choose the correct statistical methods to use in research.
5. Able to explain concepts of information technology and related statistics in nursing and public health work.

### Course description

The course covers concepts about research, research principles, the research process, types of research that are relevant to the nursing profession and their characteristics, research ethics, and moral conduct in research. This course also covers basic statistics and data analysis, writing up a research project, research conduct, and report on the results. Also covered are concepts about the use of information technology in the nursing profession and public health work, databases on nursing and public health topics, vital statistics, applied statistics, digital capabilities such as data searching methods and use of empirical evidence, and the use of a diverse range of technology for communication and work.

### 51311 Community Health Nursing, Primary Medical Care and Practicum (6 credits)

#### Expected learning outcomes

1. Able to explain concepts and principles of public health, community health nursing, and primary medical care.
2. Able to state the roles and responsibilities of community health nurses and primary medical care.
3. Able to explain a health development plan, epidemiology, innovations, and public health tactics.
4. Able to explain principles of primary medical care.
5. Able to explain principles of providing care during for after disasters.
6. Able to articulate approaches and make plans for managing community health by using the nursing process with holistic approach.
7. Provide nursing care at the community health and primary medical care levels while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws
8. Able to search for and use empirical evidence practices to provide nursing care for people in communities and primary medical care patients.
9. Able to work well in a nursing team, using good human relations and effective communication.

### Course description

The course covers concepts and principles of public health, community health nursing, the roles and responsibilities of community health nurses, health development plans, epidemiology, public health innovations and tactics, caring for community health, use of the nursing process for community health, assessment of a community's health status, community diagnosis, planning, intervention as planned, and evaluation. The course also covers family health, school health, workplace health, environmental health, and principles for caring for people during disasters, planning nursing care for people who encounter problems on-site in different situations, care of patients during transporting to a hospital, primary medical care, and the rational drug use, all activities cover health promotion, illness prevention, curation, and rehabilitation with holistic approach for patients from diverse cultural backgrounds.

In the practical component, the course addresses practicum to provide holistic community health nursing care, the role of a community health nurse, epidemiology, public health innovations and tactics, caring for community health, use of the nursing process for community health, assessment of a community's health status, community diagnosis, planning, intervention as planned, and evaluation, family health, school health, workplace health, environmental health, primary medical care, and the rational drug use. All activities apply the appropriate empirical evidence in providing nursing care to people in communities while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.

### 51312 Geriatric Nursing and Practicum

(6 credits)

#### Expected learning outcomes

1. Able to explain concepts about geriatric nursing, theories of aging, and attitudes about caring for the elderly.
2. Able to explain changes of the aging process.
3. Able to assess health conditions of elderly patients, including those in normal health, those that are at risk, and those with health problems.
4. Able to state approaches and make nursing care plans for elderly patients, including those in normal health, those that are at risk, and those with health problems.

5. Able to provide nursing care for elderly patients, including those in normal health, those that are at risk, and those with health problems, while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.
6. Able to search for and use empirical evidences to provide nursing care for elderly patients, including those in normal health, those that are at risk, and those with health problems.
7. Able to work well in a nursing team, using good human relations and effective communication.

### **Course description**

The course covers conceptions about geriatric nursing, theories of aging, attitudes towards caring for the elderly, the change process of aging, health status assessment of the elderly, and nursing practices to promote health among the elderly and any people who have neurological, skeletal or joint systems, digestive systems, cardiovascular systems, urinary systems, and sensory systems. The course also covers health promotion, illness prevention, curation, and rehabilitation with holistic approach for people from diverse cultures.

In the practicum, the course covers practicum to provide holistic nursing care to elderly people, including those who are in normal health, those who are at risk, and those with health problems, with an emphasis on enabling seniors to care for themselves and continue to lead their lives as appropriate. This course addresses applying the nursing process to teach elderly patients to adopt healthy behaviors to the best of their abilities, the rational drug use, while encouraging family members and members of the community to participate, use appropriate empirical evidence nursing practices to provide nursing care to people in communities while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.

**51313 Elective Nursing Practicum****(6 credits)****Expected learning outcomes**

1. Provide nursing care to clients in the selected specialty in nursing field while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.
2. Produce a research project or create a nursing innovation in the chosen specialty in nursing field.
3. Work well in a nursing team, using good human relations and effective communication.

**Course description**

The course covers practice providing holistic nursing services in the selected specialty in nursing field by using the nursing process, integrating all the theories and knowledge as well as practical skills they have learned to help developing quality of nursing, applying research results and empirical evidences while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.

**51314 Professional Experience in Nursing****(6 credits)****Expected learning outcomes**

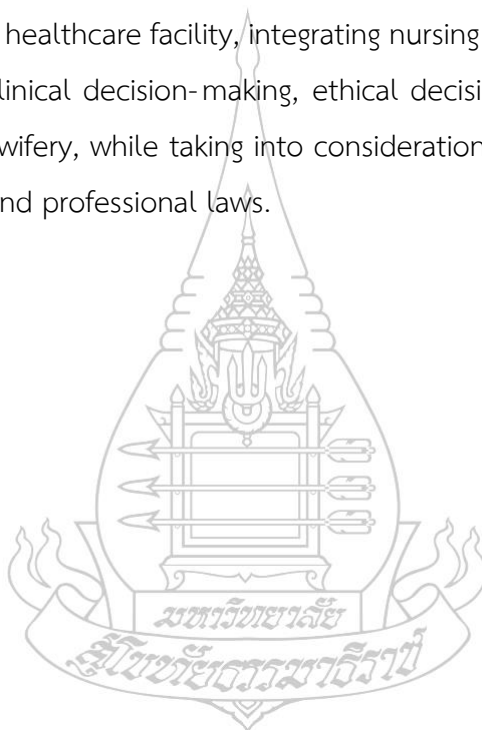
1. Able to explain concepts and principles of administration, leader theories, and leadership.
2. Able to explain and state issues and trends in nursing profession and the healthcare service system.
3. Able to explain principles of organizational management that can be used to develop the quality of nursing services and principles of the healthcare economy.
4. Able to articulate approaches and make plans for improving the quality of nursing services.
5. Able to perform nursing for improving the quality of nursing services while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.
6. Able to search for and use empirical evidence practices for improving the nursing quality.

7. Able to work well in a nursing team as a leader, using good human relations and effective communication.

### **Course description**

The course covers concepts, theories and principles of administration and leadership, issues and trends in the nursing profession, the healthcare system, organizational management for developing the quality of nursing, the healthcare economy. It covers how to be a good member and representative of the nursing profession and the healthcare institution, including professional ethics, and laws related to nursing and midwifery careers, including the rights of both patients and nurses.

In the practical component, the course covers practice working in the role of nursing team leader or incharge in a healthcare facility, integrating nursing knowledge and experiences to enhance leader skills, clinical decision-making, ethical decision making and behaviors in professional nursing or midwifery, while taking into consideration of patients' rights, cultural differences, moral, ethics, and professional laws.



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