**GENERAL EDUCATION COURSES**

**Core Courses**

*Com Skills 11 – Integrated English Skills for College Freshmen*

This course is designed to develop grammatical and pragmatic competence among students as it provides a broad understanding of the use of correct grammar in sentences and paragraphs while it allows them to relate knowledge on grammar to appropriate contexts. It helps students achieve proficiency in English through activities that include the use of appropriate words and phrases, arrangement of ideas in the best order, and comprehensible expression of thoughts.

3 units

*Fil 11 – Komunikasyon sa Akademikong Filipino*

Ang Filipino 1 ay isang metalingwistik na aaral ng wikang Filipino. Nakatuon ito sa estruktura, gamit, katangian at kahalagahan ng wikang Filipino sa akademikong larangan. Sa paraang multidisiplinario at paraang interaktibo, inaasahang matutukoy at matatalakay ang mga pangunahing kaalaman sa wikang ito. Malilinang ditto ang mga kasanayan sa paggamit ng wikang Filipino tungo sa lalong mataas na komunikasyon at sa kritikal na pagdidisko.

3 units

*Math 11 – College Algebra*

It is a review and expansion of the topics covered in high school Algebra using the conceptual approach. The properties of Mathematical structures, the algebra of the real variables are studied as a field. The course includes the real number system and its application to linear and quadratic equations, functions and graphs, determinants and binomial theorem.

3 units

*Soc Sci 14 – General Psychology*

This course explores the concepts and principles of psychology in such areas as personality, behavior, emotions, learning and intelligence in relation to one’s development using a holistic approach. A discussion in chemical dependency/drug addiction is also included.

3 units

*Zoology 10 – Fundamentals of Zoology*

A foundation course to understand the structure and bodily functions of animals, their classifications and their relationships to one another and to their environment.

3 units

*Chem 11 – General Chemistry*

A comprehensive course covering the fundamental concepts and principles of general chemistry, blending fact with theory in the study of the properties, composition and structure of matter. Emphasis is given to atomic, ionic and molecular structure, their correlation with the physical and chemical properties observed in the different states in which matter exists, including the classification and uses of different forms of matter.
Laboratory work is an integral part of the course. This involves the performance of exercises and experiments which acquaint the students with some of the fundamental chemical laboratory operations as the concepts and principles are illustrated.

5 units

Social Arts 11 – Empowering the Self

A course that orients the students on the University’s vision, mission, educational philosophy, core values, twin motto of ciencia y virtud, and other aspects reflective of CEU’s culture. It is designed to help students make necessary adjustments according to the traditions of the university. It expands their view on the importance of knowing and understanding the self geared towards improvement or enhancement of one’s personality in all its dimensions-physical, mental, social, emotional, moral and emotional.

It provides students with opportunities to imbibe and manifest wholesome values and attitudes. It provides them adequate activities on the culture of refinement and social graces as they deal with their family, friends, and community within the context of living and loving relationships. It gives them ample opportunities to project an empowered personality; observe proper decorum at home, in school and in public places; and observe personal hygiene good grooming, proper dressing and visual poise. It prepares them to pursue a life plan directed to their goals in life- career, family, religious calling.

2 units

3 units

Com Skills 12 – English for Improved Academic Performance

This course is designed to help students achieve proficiency in the use of English in the four areas: listening, speaking, reading, and writing.

It provides students activities aimed to improve their communication skills, enhance their comprehension and critical skills, and develop integration skills. In addition, it teaches students effective learning strategies for academic studies.

3 units

Fil 12 – Pagbasa at Pagsulat Tungo sa Pananaliksik

Ang Filipino 2 ay pagpapalawak ng mga kaalaman at kasanayan sa kritikal na pagbasa at lohikal na pagsulat tungo sa kahandaan ng pagsasagawa ng sariling pananaliksik.

3 units

Theology 11 – Man and Religion

A course that discusses Man and his relationship to himself, others environment and God. The course presents as a moral human being capable of rightful and just decisions, consciously aware of his calling to full human development as a steward of God’s creations, and responsive to the demands and challenges to his dignity.

3 units

Physics 11 – Foundations of Physics

A study of the concepts and principles of general physics, as applied to materials and commonly observed physical phenomena in everyday life; with particular concern on the topics relevant to the practice of the nursing profession.

3 units
**Com Skills 13 – Speaking Skills for Effective Communication and Oral Presentation**

This course is designed to develop among the students skills in speaking. It covers general aspects of speech – improving voice, articulating critical English sounds and using stress in words and sentences. It includes lessons ranging from communication process, guides to effective listening, different types of speech, effective speech delivery to various forms of performances and the requisites for a good style in writing speeches. It provides exercises engaging students in communication scenarios.

3 units

**For Lang 11 – Foreign Language 1 (SPANISH 1)**

The course aims to develop in the beginners an understanding of the fundamentals of the Spanish language through the functional study of common expressions (greetings, farewells, expression of courtesy), nouns, articles, adjectives, the simple tenses of common regular and irregular verbs in the indicative mood, pronouns, adverbs, and the simple imperative.

Emphasis is placed on the development of the listening and speaking skills through practical conversation lessons, oral reading of simple selections, oral exercises. The alphabet, syllabication, and vowel combinations such as diphthongs, are also studied incidentally.

3 units

**Humanities 12 – Foundations of Philosophy and Ethics**

A course which provides an overview of philosophy as a field of study that emphasizes investigation and discovery of higher and deeper truths especially about the rational and ethical nature of human person. Further, it seeks to equip the students with skills for logical thinking through exercises in the sound argumentation, identification of fallacies in reasoning and critical discourses to enable them to reflect on man’s moral experiences in the context of Filipino values and contemporary ethical problems.

3 units

**Humanities 11 – Introduction to Arts**

A course that introduces the students to the world of art and art appreciation. It begins with understanding meaning, value and the elements and principles of art, the mediums, organization, styles, and the historical events associated with them. It tackles the visual arts (painting, sculpture, architecture), the performing arts (music, dance, theater), and the literary arts (prose and poetry). It aims to help them acquire a more critical eye for the arts and understand how they contribute to their personal, local, national, international cultural life.

3 units

**Com Skills 14 – Writing Skills for Specific Purposes**

This process-oriented course reinforces the writing skills for academic purposes, integrating skills for occupational purposes, and emphasizes writing technical communication using professional courses as bases. It includes business communications, research writing, scientific papers, feasibility studies, case studies and other pertinent technical-oriented writing.

3 units
For Lang 12 – Foreign Language 2 (SPANISH 2)
A systematic review of Spanish Language, practical applications; and a functional study of the compound tenses of regular verbs in the indicative mood, the imperative mood, the progressive tense; irregular, reflective and reciprocal verbs, comparison of adjectives and adverbs; prepositions, conjunctions and interjections. Stress is given on vocabulary building, sentence construction, and further graduate oral reading exercises and for the purpose of expanding the students' working knowledge and manipulation of the language.

3 units

Computer 11 – Information Technology Essentials
The course is designed to help students to administer computer and value information technology and its application to society and to the environment. It aims to support the use of different computer application responsibly as tools for creativity, researching, organizing, problem solving, publishing, presenting, and/or communicating information and ideas.

3 units

Soc Sci 15 – Society and Culture
An introduction to the basic concepts in sociology and anthropology stressing man’s interrelationships with other men and his environment. Basic to the course is the study of culture, socialization, social stratification, social institutions, population, and collective behavior.

3 units

Theology 12 – Man and Morality
A course about man's search for fullness of life, meaning and salvation and bound up with his/her critical understanding of his/her faith a reasoned commitment to seek personal union with God. It includes the analysis and valuation of the major religions of the world, their similarities and differences in the context of their own creed, code and cult. Likewise, this course critiques the uniqueness of the emerging spiritualities especially the faith groups in the Philippines in the context of interfaith dialogue and ecumenical teaching of the Church.

3 units

Hum 13 – World Classics
It is a course that deals with the literatures of the world. It provides students with wider access to the historical background of literary periods and acquaints them with those elements that are part of the artists’ times and those that are universal. It aims to provide them enjoyment in interacting with the world’s literary treasures. It guides them in undertaking a journey into the global village and appreciate cultural diversity without abdicating national values, or see the past participating in the present, in the people’s present individual and social lives.

3 units

Soc Sci 12 – Principles of Economics, Taxation and Land Reform with Cooperatives
A three units course that deals with the study of Health Economics, Taxation, Land Reform and Cooperatives. It focuses on resources, utilization for the production of service in health care delivering system. It also relates the fundamental principles of Economics, Taxation ad Land Reform with Cooperative to the future work of health profession.

3 units
**Soc Sci 11  – Philippine History and Governance with Philippine Constitution**

A one semester course that covers the historical events of the Philippines upon the pre-colonial period to the present. It also gives emphasis and importance on instilling the value of nationalism in every Filipino. The integration and political science will deal with an extensive discussion and presentation of the development, organization and operation of the political system in the country. It covers the concepts, theories and principles of Political Science and the analysis of the Philippine Constitution.

3 units

**Soc Sci 13 – Rizal’s Life, Works and Writings**

A Comprehensive study designed to familiarize the students with the role of Dr. Jose Rizal and other Filipino heroes, in the development of nationalism and national independence movement. It shall provide and in depth appreciation of the relevance of Rizal’s socio political thought and the role of the youth in nation building. It shall also include the important episode in Rizal life with emphasis on his literacy works: Novels, Poem, Essays and letters.

3 units

**OTHER COURSES**

**Physical Education 11 - Physical Fitness and Wellness**

The course deals with the five most important health-related components of physical fitness namely: body composition, cardio-respiratory endurance, flexibility, muscular strength and muscular endurance. Discussions on weight management and stress management are also included in the Wellness part of the course. Major activities are Physical Fitness Tests, aerobic dancing and weight training. Selected activities will provide knowledge, skills, and attitudes necessary to enjoy and sustain a physically active and healthy lifestyle.

2 units

**Physical Education 12 – Rhythmic Activities**

The subject provides dances like social dance, folk dance and popular dance, dances that will serve as venues for self-expression, exercise, relaxation and enjoyment. The subject provides ample opportunity to hone students’ leadership in group activities, and creativity through movement exploration and movement improvisation. A dance presentation before the end of the semester culminates the subject. The subject provides knowledge, skills, and attitude necessary to enjoy and sustain a physically active and healthy lifestyle.

2 units

**Physical Education 13 – Individual / Dual Sports**

The course is designed to assist students in refining basic skills, reviewing strategies and techniques and updating in new rules and regulations of an individual/dual sport. Much emphasis is given to sports officiating and management. A class tournament is conducted near the end of the semester to facilitate skills application in playing as well as in officiating. The subject provides knowledge, skills and attitudes to enjoy and sustain a physically active and healthy lifestyle.

2 units
**Physical Education 14 – Team Sports**

The subject is designed to assist students in refining basic skills, reviewing strategies and techniques, and updating on new rules and regulations in selected team sports. Emphasis is allotted in sports leadership and management. Different types of tournament formats are discussed and used. An inter-class tournament where students will be officiating and competing culminates the subject. The subject includes knowledge, skills and attitudes necessary to enjoy and sustain a physically active and healthy lifestyle.

2 units

**NSTP 11 – Civic Welfare Training Service 1**

The course is aimed at providing students with knowledge, attitudes and skills (KAS) which are necessary for enhancing their socio-civic consciousness and developing the spirit of volunteerism. It will expose them to activities designed to achieve basic understanding of how NSTP can contribute to the goal of improving and developing impoverished communities in the fields of health, education, environment, entrepreneurship, social welfare services, and specifically in the care and protection of children. It will also focus on values and the cultural rootedness of the Filipinos as they respond to problems and issues affecting families and communities.

An organized Community Exposure Program will be conducted to enrich the students' classroom activities.

**NSTP 12 – Civic Welfare Training Service 2**

The course is aimed at providing students learning opportunities to demonstrate skills in community leadership, data gathering, needs assessment, program management, social mobilization, coordination and networking which will assist them in the implementation of the Community-Based Environmental Care and Protection Program that will be conducted in identified/selected barangays. It will also help crystallize students' understanding and appreciation of the value of community service in the light of concrete activities that will be conducted in the field.

3 units

**MAJOR COURSES**

**Chem 122 – Organic and Biochemistry**

A simplified study of the concepts and principles of organic chemistry and their connection with the chemistry of life processes. Emphasis is given to the functions, classifications, occurrences, structures and properties of biomolecules in the maintenance of life.

5 units

**Bio Sci 104 – General Anatomy and Physiology**

The course deals with the basic understanding of the structure of the parts of human body and the basic principles on which the parts perform their functions. It aims to provide a foundation of knowledge of cells, tissues, organs and body system.

5 units (3 units lecture, 2 units laboratory)
**Humanities 101 – Principles of Logic**

A course that focuses on scientific reasoning, the reliable methods which are the engine of scientific and technological progress. The course aim to teach logic methods for evaluating hypotheses, principles to guide observation experiment design, and finally as warning, the fallacies to which humanity frequently succumb. The course will emphasize the generality of these methods and their applicability to nursing, pharmacy, optometry, and other science courses.

3 units

**BioSci 101 – Fundamentals of Microbiology & Parasitology**

The course deals with the general principles of Microbiology covering the important groups of microorganisms such as bacteria, fungi, protozoans, algae, viruses, parasitic worms and arthropods as vectors; their morphology, metabolism and control; microbial genetics, evolution and diversity; their relation to health and diseases; infection and immunities; applied microbiology, in food and water.

4 units (3 units lecture, 1 unit laboratory)

**Math 102 – Biostatistics**

The course deals with the study of two main divisions of statistics: DESCRIPTIVE STATISTICS – Collection, presentation, measures of location, measure of variation, probability distribution, normal distribution. INFERENTIAL STATISTICS – Central limit theorem, types of errors, t-test non-parametric, analysis of variance (ANOVA) chi-square test, linear correlation and linear regression.

3 units

**Computer 22 – Nursing Informatics**

Introduces nursing informatics theory, evolving practice applications, and skill development. Discusses human factors essential to effective application of nursing informatics in practice. Applies technical skills and processes for the integration of nursing informatics into nursing education and clinical practice settings.

3 units

**PROFESSIONAL COURSES**

**NURTFN 120 – Theoretical Foundations for Nursing**

The course deals with the meta concepts of Person, Health, Environment and Nursing as viewed by the different theorists. Likewise, it includes non-nursing theories such as systems, developmental and change theories. It presents how these concepts and theories serve as guide to nursing practice. It further deals with health as a multifactorial phenomenon and the necessary core competencies that the nurse needs to develop. It discusses the significance of the theory for nursing as a discipline and as a profession and its application to nursing practice.

3 units
**NCM 100 – Fundamentals of Nursing Practice**
This course provides the students with the overview of nursing as a science, an art and a profession. It deals with the concept of man as a holistic being comprised of bio- psycho-socio and spiritual dimensions. It includes a discussion on the different roles of a nurse emphasizing health promotion, maintenance of health as well as prevention of illness utilizing the nursing process. It includes the basic nursing skills needed in the care of individual clients.

5 units - 3 units lecture
2 units RLE (skills laboratory)

**NURHA 121 – Health Assessment**
This course deals with concepts, principles and techniques of history taking using various tools, physical examination (head to toe), psycho-social assessment and interpretation of laboratory findings to arrive at a nursing diagnosis on the client across the lifespan in community and hospital settings.

3 units - 2 units lecture
1 unit RLE (skills laboratory)

**NURCHN 130 – Community Health Nursing**
The course focuses on the care of the population groups and community as clients utilizing concepts and principles in community health development. It also describes problems, trends and issues in the Philippine and global health care systems affecting community health nursing practice. The student will be able to apply concepts and principles of community health development in the care of communities and population groups and utilize nursing process in the care of communities and population groups.

5 units - 3 units lecture
2 units RLE (0.5 unit skills laboratory; 1.5 units clinical)

**NCM 101 – Care of Mother, Child and Family**
The course is designed to provide the students the developmental theories and concepts to critically analyze the health needs and concerns of both mother, child and adult client. Classroom and RLE provide the students with learning experiences to develop essential skills, knowledge and values on health promotion and identification and management of risk factors related to maternal and pediatric and adult nursing.

8 units - 4 units lecture
4 units RLE (1 unit skills laboratory/3 units clinical)

**NCM 102 – Care of Mother, Child, Family and Population Group At-risk or with Problems**

11 units - 5 units lecture
6 units RLE (1 unit skills laboratory/5 units clinical)

This course is designed to provide students with the concept of disturbances and pre-existing health problems of pregnant women and the pathologic changes during intrapartum and postpartum periods. It further deals with the common problems occurring during infancy to adolescence stage. Related Learning Experiences provide the students with learning experiences to develop essential skills, knowledge and values on nursing care management of maternal and pediatric clients.
**NURND 152 – Nutrition and Diet Therapy**

This encompasses topics on basic nutrition and diet therapy. It includes the six major nutrients and their function in body processes during different life stages and various disease conditions. It covers nutrients and other substances and their action, and interaction and balance in relation to health and disease and the process by which organism ingests, digests, absorbs, transports, utilizes and excretes food substances. This course shall highlight the vital role of nurses in improving the nutritional status of their clients in the community and in the hospital setting.

4 units - 3 units lecture
1 unit laboratory

**NURHE 150 – Health Education**

The course is designed to help nurses learn how to teach. The course will provide the necessary principles of teaching and learning to become effective nurse educator as a means of meeting the specific health needs of various clients in any settings.

3 units lecture

**COMPP 22 – Nursing Informatics**

This course deals with the use of information technology system and data standards based on nursing informatics principles/theories. It further deals with utilization of clinical information system in the management in decision-making of patient care. A laboratory session shall be provided for practice application.

3 units - 2 units lecture
1 unit laboratory

**NURBE 151 – Bioethics**

This course deals with the application of ethico-moral and legal concepts and principles to issues that affect the practice of nursing. These provide the basis for appropriate decision making given varied situations, to prepare the learner to render effective, efficient and safe nursing care. Furthermore, related learning experiences provide opportunities to concretize commitment to nursing. The critical thinking process shall be used in the unit with the objective of developing the intellectual capacity to conceptualize and contextualize what students know about particular ethico-moral and legal issues.

3 units lecture

**NCM 103 – Care of Clients with Problems in the Oxygenation, Fluids & Electrolyte Balance, Metabolism and Endocrine**

This course deals with the concepts and principles of nursing care management of sick clients with alterations/problems in oxygenation, fluid and electrolyte balance, metabolism and endocrine function across the life span with emphasis on the adult and older persons, population group in any settings.

14 units - 8 units lecture
6 units RLE (1 unit skills laboratory; 5 units clinical)
NURPH 144 – Pharmacology 1

The course deals with pharmacodynamics, pharmacokinetics, clinical/therapeutic uses and toxicology of drugs. Emphasis is given on how a drug works to anticipate when giving a drug to a patient are of paramount importance since nursing responsibilities include administering drugs, assessing drug effects, intervening to make a drug more tolerable, and providing teaching about drugs and the drug regimen. The course deals with the study of pharmacology as an integral part of nursing care in clients with problems with oxygenation, fluids and electrolyte balance, metabolism and endocrine.

3 units lecture

NCM 104 – Care of Clients with Problems in Inflammatory and Immunologic Response, Perception and Coordination

The course deals with the concepts, principles and theories of nursing care management of sick clients across the life span with emphasis on adult and the older person, population group in any setting with alterations/problems in inflammatory and immunologic response and perception and coordination.

9 units - 5 units lecture
4 units RLE (1 unit skills laboratory, 3 units clinical)

NCM 105 – Care of Clients with Maladaptive Patterns of Behavior

This course is designed to focus on health and illness across the life span of clients, population groups with acute and chronic psycho-social diffculties and psychiatric illnesses. Related Learning Experience provides opportunities for the students to implement safe and quality nursing interventions addressing the health care needs of clients with maladaptive patterns of behavior.

7 units - 4 units lecture
3 units RLE (3 units clinical)

NURR 191 – Nursing Research 1

The course is an introductory concept intended to equip the students with concepts, principles in research starting from an overview of the major phases of the research process. The course will include discussions from formulation to dissemination of research findings, focus on formulation of a research problem to the selection of the research problem to the selection of research design, planning and choosing the appropriate research tools for data gathering.

3 units - 2 units lecture
1 unit laboratory

NURPH 145 – Pharmacology 2

The course deals with the study of pharmacology as an integral part of nursing care in clients with problems with maladaptive patterns of behavior, perception and coordination inflammatory and immunologic response. This will include pharmacodynamics, pharmacokinetics, clinical/therapeutic uses and toxicology of drugs, and nursing responsibilities.

3 units lecture
**NURE 160, NURE 161, NURE 162 – Elective Course 1: Parent Child Nursing, Spiritual Care Nursing, Hospice Palliative Care**

Nursing interventions/strategies for the prevention and/or management of behavioral problems of children arising from parent-child relationships.

The course deals with the history, philosophy, theories, principles, process, modes and interventions of spiritual care. Emphasis is made on the process of spiritual formation and the role of nurses in providing spiritual care.

This course includes the concepts, principles and theories of hospice palliative care.

2 units lecture

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**NCM 106 – Care of Clients with Problems in Cellular Aberrations, Acute Biologic Crisis including Emergency and Disaster Nursing**

It deals with the principles and techniques of nursing care management of sick clients across the lifespan with emphasis on the adult and older person with alteration/problems in cellular aberration, acute biologic crisis, including emergency and disaster nursing and IV Therapy.

11 units - 6 units lecture

5 units RLE (2 units skills laboratory; 3 units clinical)

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**NURCA 170 – Competency Appraisal 1**

This course deals with the application of the concepts, principles and processes basic to the practice of nursing with emphasis on health promotion, health maintenance, preventive, risk reduction, curative and rehabilitative aspects of care for the mother, child and family population group and community with alterations in oxygenation, fluid and electrolyte, metabolism and liquid functioning, pain including the perioperative concepts. It includes the utilization of the nursing process and the core competencies under the eleven key areas of responsibilities.

3 units lecture

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**NCM 107 – Nursing Leadership and Management**

This course deals with concepts, principles theories and methods of developing nursing leaders and managers in the hospital and community-based settings. It also includes ethico-moral/legal aspects of health care and nursing practice and the nurses’ responsibilities for personal and professional growth.

4 units lecture

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**NURR 192 – Nursing Research 2**

This course is a continuation of Nursing Research 1 which includes collection of data, analysis, interpretation, summary and conclusion and recommendation. Advising is done throughout the practicum sessions.

The course will provide the student/group an opportunity to undergo the final research defense process to appreciate data gathering, analyze and interpret study results disseminate the findings and make recommendations based on the results of their respective studies.

2 units laboratory
**NURE 163, NURE 164, NURE 165 – Elective Course 2: Acute Critical Care Nursing, Quality Health Care and Nursing, Care of the Chronically Ill and the Older Persons**

This course is designed to introduce the student to care for critically ill parents. Emphasis is on rapid assessment, setting priorities, rapid decision-making and appropriate nursing interventions. The course may include cases with cardiovascular, pulmonary, renal, neurologic, and multisystem alterations. This course deals with the concepts, principles and dimensions of quality health care, quality standards for Health Provider Organizations and implementing a Performance Improvement/management program in the health care system. It deals with the concepts, principles and techniques of nursing care management of those with chronic illness and the older persons.

2 units lecture

**NURCA 171 – Competency Appraisal 2**

This course deals with the application of the concepts, principles and processes basic to the practice of nursing with emphasis on health promotion, health maintenance, preventive, risk reduction, curative and rehabilitative aspects of care of sick individual with alterations in cellular aberrations, adjustment problems and maladaptive patterns of behavior, acute biologic crisis, disaster and emergency. It includes the utilization of the nursing process and the core competencies under the eleven (11) key areas of responsibility.

3 units lecture

**NCM 108 – Nursing Leadership and Management**

This course deals with concepts, principles theories and methods of developing nursing leaders and managers in the hospital and community-based settings. It also includes ethico-moral/legal aspects of health care and nursing practice and the nurses’ responsibilities for personal and professional growth. Utilization of the nursing process in the care of individuals, families and population group, in hospital and community settings is the emphasis of this course. The course aims to demonstrate leadership and competence in the performance of their responsibilities as a beginning nurse practitioner in hospital and community setting.

3 units RLE (3 units clinical)

**NURINP 184 – Intensive Nursing Practicum**

This course deals with the actual application of the theories, principles and concepts of clinical nursing practice to groups of clients in varied settings to refine nursing skills in the different basic nursing services including community. Emphasis is placed on integrating the multiple roles of professional nursing as a vehicle to enhance critical thinking and communication skills. The course aims to apply the nursing process in the care of groups of clients across the lifespan with varied conditions and the community. Ability to demonstrate competencies of a beginning staff nurse, head nurse, researcher and leader is the expected outcome of the course.

8 units RLE (8 units clinical)