

# Course Units Offered by the Department

## Bachelor of Science Honours in Nursing

### **1000 LEVEL – SEMESTER I**

<b>Course Code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
EL 1101	Basic English for Allied Health Sciences 1	3*	None
AH 1101	Information Technology	2*	None
AH 1102	Human Physiology 1	3	None
AH 1103	Basic Human Anatomy	3	None
AH 1104	Introduction to Psychology	2	None
AH 1105	Basic Biochemistry	3	None
NS 1101	Foundation to Nursing Practice	1	None
NS 1102	Nursing Theory and Practice 1	3	None
NS 1103	Sociology and Anthropology	1	None

### **1000 LEVEL – SEMESTER II**

<b>Course Code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
EL 1202	Basic English for Allied Health Sciences 2	3*	None
AH 1201	General Pathology	3	None
AH 1202	Human Physiology 2	3	None
AH 1203	Basic Statistics	2	None
NS 1201	Human Anatomy for Nurses	3	AH 1103
NS 1202	Nursing Theory and Practice 2	5	NS 1102
NS 1203	Pharmacology I	1	None

### **2000 LEVEL – SEMESTER I**

<b>Course Code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
EL 2103	Intermediate English for Allied Health Sciences 1	3*	None
NS 2101	Adult Nursing 1	4	AH1102, AH1103, AH1201
NS 2102	Nursing Theory and Practice 3	4	NS1101, NS1202
NS 2103	Pharmacology 2	3	NS1203

NS 2104	Ethics in Nursing	1	None
NS 2105	Pathology for Nurses	2	AH1201
NS 2106	Microbiology for Nurses	1	None
NS 2107	Communication Skills in Nursing	1	None

## 2000 LEVEL – SEMESTER II

Course Code	Course Title	No. of Credits	Prerequisites
EL 2204	Intermediate English for Allied Health Sciences 2	3*	None
NS 2201	Adult Nursing 2	5	AH1202, NS1201, NS2105
NS 2202	Nursing Theory and Practice 4	4	NS 2102
NS 2203	Paediatric Nursing 1	2	None
NS 2204	Basic Epidemiology	1	None
NS 2205	Trends in Nursing	1	None

## 3000 LEVEL – SEMESTER I

Course Code	Course Title	No. of Credits	Prerequisites
NS 3101	Adult Nursing 3	5	AH1202, NS1201, NS2105
NS 3102	Nursing Theory and Practice 5	4	NS2202
NS 3103	Paediatric Nursing 2	2	None
NS 3104	Maternity Nursing 1 (Theory)	2	AH1103, AH1202
NS 3105	Nutrition and Dietetics	2	None
NS 3106	Research Methodology 1	1	None

## 3000 LEVEL – SEMESTER II

Course Code	Course Title	No. of Credits	Prerequisites
NS 3201	Adult Nursing 4	4	AH1202, NS1201, NS2105
NS 3202	Nursing Theory and Practice 6	2	NS3102
NS 3203	Paediatric Nursing 3	2	None
NS 3204	Maternity Nursing 1 (Clinical) †	2	NS3104
NS 3205	Nursing in Trauma Management 1 (Clinical) ‡‡	2	AH1102, AH1103, AH1202
NS 3206	Community Health Nursing	6	NS2203, NS3104
NS 3207	Research Methodology 2	1	None

## **4000 LEVEL – SEMESTER I**

<b>Course Code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
NS 4101	Nursing Informatics	1	None
NS 4102	Emergency and Disaster Nursing	2	AH1102, AH1202, NS2101
NS 4103	Paediatric Nursing 4	3	None
NS 4104	Maternity Nursing 2 (Theory)	2	NS3104
NS 4105	Teaching and Learning in Nursing	2	None
NS 4106	Psychiatric Nursing and Mental Health	5	None

## **4000 LEVEL – SEMESTER II**

<b>Course Code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
NS 4201	Leadership and Management in Nursing	3	None
NS 4202	Critical Care Nursing	3	AH1102, AH1103, AH1202, NS2105
NS 4203	Research Project	6	NS3207
NS 4204	Maternity Nursing 2 (Clinical) †	2	NS4104
NS 4205	Nursing in Trauma Management 2 (Clinical) ††	2	AH1102, AH1103, AH1202
NS 4206	Operation Theatre Nursing †††	3	NS2101
NS 4207	Palliative Care Nursing †††	3	None
NS 4208	Neonatal Nursing †††	3	None
NS 4209	Gerontological Nursing †††	3	NS3101

(\*) Non-GPA courses

† Compulsory courses for female students.

†† Compulsory courses for male students.

††† Optional Courses : The student shall register in and complete only one optional course out of four optional courses; Operation Theatre Nursing (NS4206), Palliative Care Nursing (4207), Neonatal Nursing (4208), Gerontological Nursing (NS4209).

## **Synopses of Course Contents**

### **1000 Level**

#### **EL 1101 Basic English for Allied Health Sciences 1 (3 Credits)**

The aim of this course is to provide the students with the knowledge of basic grammar and language skills and enable students to read, understand and evaluate basic descriptive texts, and to write accurately at UTEL Band 4 Level of competence in the skill areas of Reading and Writing as they transit into a degree programme which is conducted in the English medium. English for General Purposes (EGP) and Allied Health Science-based English for Specific Purposes (ESP) are introduced in an attempt to improve the knowledge of the undergraduates and the course will provide them with an insight and the required knowledge of English in order to function within the academic milieu of a University.

**Key Areas of Focus:** Selected reading passages describing people, places, Allied Health Science disciplinary themes, texts with appropriate punctuation exercises, reading comprehension texts, and relevant passages with appropriate and sequenced vocabulary elements. Surveying a textbook, skimming and scanning text and processing information appropriately. Language Development and Writing, Formulating simple descriptions of general and scientific context and developing methods of note-taking, Writing short descriptions of self, immediate environment and current situations, formal and informal letters, email and similar communication. Mechanics of Writing: subject-verb agreement, use of connectives, spelling and punctuation. Introduction to dictionary skills for self-learning purposes, Pronunciation and phonetic symbols, Speech activities related to general and academic contexts.

Course assessment: In-course 40%, End semester 60%

#### **AH 1101 Information Technology (2 Credits)**

Basic concept of computers, Types of computers, Components of a computer, System analysis and design, Data processing, Web page development & languages, System analysis and design, Data processing, Computer networks, E-mail/Internet concepts.

Course assessment: In-course 30%, End semester 70%

#### **AH 1102 Human Physiology I (3 Credits)**

Introduction to basic organization of the human body, Integration & regulation of the human body functions organized around the homeostasis, Cell physiology, Nervous system, Cardiovascular system, Respiratory system, Lymphatic and Gastrointestinal systems.

Course assessment: In-course 30%, End semester 70%

**AH 1103 Basic Human Anatomy (3 Credits)**

The cell, Cell division, Basic tissue types, Functional organization of nervous system, Cardiovascular system, Bone cartilage and joints, Muscular system, Gastrointestinal system, Respiratory system, Lymphatic system, Urinary system, Reproductive system, Structure of special sensory organs.

Course assessment: In-course 30%, End semester 70%

**AH 1104 Introduction to Psychology (2 Credits)**

Introduction to Psychology with an emphasis on health-related issues, Major perspectives in psychology, Psychology applied to nursing and health care in general, Coping with stressful situations.

Course assessment: In-course 40%, End semester 60%

**AH 1105 Basic Biochemistry (3 Credits)**

Structure, Function and metabolism of carbohydrates, Proteins, Lipids and nucleic acids, Regulation and integration of metabolism, Introductory Medical Biochemistry, Biochemical tests for identification of basic biomolecules, Analysis of enzyme properties.

Course assessment: In-course 30%, End semester 70%

**NS 1101 Foundation to Nursing Practice (1 Credit)**

Introduction to core values of the nursing profession, History and evaluation of nursing, Roles and fundamental responsibilities of a nurse, Principles and standards of nursing practice, Nursing organizations, Nursing and non- nursing theories, Communication, Introduction to nursing process, Patient-centered approach in nursing care, Health education, Nurse's role in infection prevention and control.

Course assessment: In-course 30%, End semester 70%

**NS 1102 Nursing Theory and Practice 1 (3 Credits)**

Basic nursing skills related to patient comfort and hygiene, Patient positioning, Lifting and moving, Introduction to health assessment, Helping in religious activities.

Course assessment: In-course 30%, End semester 70%

**NS 1103 Sociology and Anthropology (1 Credit)**

Introduction to sociology, Application of sociology in health and nursing, Fundamental concepts, Social groups, Culture, Social control, Social problems, Anthropology.

Course assessment: In-course 30%, End semester 70%

**EL 1202 Basic English for Allied Health Sciences 2**

(3 Credits)

The aim of this course is to enable students to understand simple instructions, statements, notices and questions, and to be able to formulate these themselves. This will place them at UTEL Band 4 Level of competence in the skill areas of Listening and Speaking.

**Key Areas of Focus:** Instructions and directions, announcements, basic questions and answers, sequence markers and conjunctions/connectives, short speeches and dialogues, professional instructions, creative expression, telephone conversations. Sharing personal information appropriately, using and explaining quantitative and qualitative data at a basic level, making short speeches, asking and answering questions, telephone and other conversations for social and information-gathering purposes. Vocabulary development and expansion, Group discussions, Presentations, Impromptu Speaking on general and general health topics, Speech related to formal and informal settings and identifying contextual references.

Course assessment: In-course 40%, End semester 60%

AH 1201 General Pathology

(3 Credits)

Introduction to pathological mechanisms common to all tissue-cell pathology, Processes of cell injury, Cellular adaptations to injury, Inflammation and repair, Circulatory disturbances, Immunopathology, Neoplasia and genetic basis of diseases.

Course assessment: In-course 30%, End semester 70%

AH 1202 Human Physiology II

(3 Credits)

Foundation on information of normal physiological functions of the nervous, endocrine, renal and reproductive systems, which will allow an increased understanding of the integration, regulation and homeostasis of the human body as well as changes seen in pathological states.

Course assessment: In-course 30%, End semester 70%

AH 1203 Basic Statistics

(2 Credits)

Big picture of statistics, Data, Sample and population, Variables, Descriptive statistics, Probability and normal curve, Hypothesis and hypothesis testing, Parametric and non-parametric tests, Correlation and introduction to linear regression.

Course assessment: In-course 30%, End semester 70%

## **NS 1201 Human Anatomy for Nurses**

(3 Credits)

Surface anatomy and surface marking of clinically relevant structures, Structure of the anterior body wall and its clinical importance, Applied anatomy of body systems, Gametogenesis, Fertilization and early embryonic development, Twinning, Causes of congenital malformations, Anatomy related to common clinical procedures.

Course assessment: In-course 35%, End semester 65%

**NS 1202      Nursing Theory and Practice 2**

(5 Credits)

Application of nursing process, Documentation and reporting, Comprehensive health assessment, Vital signs assessment, Specimen collection, Patient admission, discharge and transfer, Asepsis and infection control, Food serving, First-aid and bandaging, Oral medication administration.

Course assessment: In-course 30%, End semester 70%

NS 1203 Pharmacology 1

(1 Credit)

Introduction to pharmacology, Drug regulation and approval, Drug classes and schedules, Nurses' responsibility in drug administration and dosage calculation, Pharmacokinetics and pharmacodynamics, Drug considerations across the lifespan, Legal and ethical considerations, Safe handling of medications.

Course assessment: In-course 30%, End semester 70%

## 2000 Level

EL 2103 Intermediate English for Allied Health Sciences 1

(3 Credits)

The second year courses are developed with the aim of introducing students to English for Academic Purposes (EAP). A higher level of competency is expected at this level as students will be introduced to technical and formal writing.

The aim of this course is to ensure that students are successful at UTEL Level 5 in the Reading and Writing examinations. More specifically, the course aims to familiarize students with academic texts of a descriptive and argumentative nature, including visuals such as graphs and tables, as well as to ensure that they can summarize, take notes, skim and scan effectively, and write narrative/descriptive/informative texts of approximately 500 words.

This module caters to the need of English competency for academic and professional purposes.

Students will also be familiarized with IELTS, and complex technical writing. Students are expected to undertake writing assignments of some complexity, identify the authorial voice in texts and to state and defend one's position on issues in an argument.

**Key Areas of Focus:** Academic and professional texts from the main field and sub-fields of Allied Health Sciences, reading comprehension passages of general and specific interest to undergraduates, reference and citation style guides. Academic and professional text writing, visuals (tables, charts, graphs) and data commentaries (qualitative and quantitative). Language Development and Writing, Cause-effect relationships, Process writing, Comparisons, Formal Letter writing, Direct-Indirect Speech, Vocabulary expansion, Thesis statements, Idioms and proverbs, Phrasal Verbs, Varieties of English, Exposure to different accents of English, Poster presentations, Debates, Group discussions and puzzles. Developing schemata and description, Transitional devices, Report writing, Conditionals, Preparation of a Curriculum Vitae, Application procedure, Reading and understanding Journal Articles, Précis Writing, IELTS Practice tests, How to face an Interview, How to make a presentation, Presentation of a report.

Course assessment: In-course 40%, End semester 60%

NS 2101 ▶ Adult Nursing 1

(4 Credits)

Introduction to perioperative nursing, Review of anaesthesia, Introduction to management of patients with cardiovascular diseases/ disorders and respiratory diseases/ disorders, Introduction to pain and pain management strategies, Nursing process for a patient with pain.

Course assessment: In-course 30%, End semester 70%

NS 2102 Nursing Theory and Practice 3

(4 Credits)

Nursing procedures pertaining to the care of the patient with the respiratory and cardiovascular disorders.

Course assessment: In-course 30%, End semester 70%

NS 2103 Pharmacology 2

(3 Credits)

Drugs used for patients with disorders of the nervous system, cardiovascular system, respiratory system, urinary system, female and male reproductive system and gastro-intestinal system, Drugs used for patients with endocrinological and metabolic disorders, communicable diseases and malignant conditions, Managing drug interactions. Course assessment: In-course 30%, End semester 70%

NS 2104 Ethics in Nursing

(1 Credit)

Introduction to ethics, Theories and approaches, Value formation and value conflict, Principles of ethics, Ethical concepts for nursing practice, Standards for ethical behavior, Ethical dilemmas in nursing, Ethical analysis and decision making in nursing practice, Ethical reasoning, Ethical responsibilities of the nurse, Applying ethics to nursing practice, Legal aspects and implications in nursing practice.

Course assessment: In-course 30%, End semester 70%

**NS 2105 Pathology for Nurses (2 Credits)**

Systemic Pathology of major organ systems, Clinical pathology: analysis of blood, Cerebro-Spinal Fluid (CSF) analysis, examinations of other cavity fluids, urine analysis, faeces examination and semen analysis.

Course assessment: In-course 30%, End semester 70%

**NS 2106 Microbiology for Nurses (1 Credit)**

Importance and relevance of microbiology to nursing, Structure, classification, morphology and growth of microorganisms, Pathogenic organisms, Pathogenesis of a disease, Relevance of microbial features in pathogenesis involve in different systems, Diagnosis of infections, Collection and transportation of specimens for microbial diagnosis, Host defense mechanisms, Disease epidemiology, Emerging and re-emerging infections, Predisposing factors for antimicrobial resistance and their prevalence.

Course assessment: In-course 30%, End semester 70%

**NS 2107      Communication Skills in Nursing      (1 Credit)**

Introduction to communication skills in Nursing, Basic concepts in communication, History taking, Effective communication for giving information, counselling and motivations interview, Communication skills in sensitive conversations, Communication skills for patient education, advocacy and public education, Communication skills for intra professional and inter-professional teamwork.

Course assessment: In-course 30%, End semester 70%

**EL 2204 Intermediate English for Allied Health Sciences 1 (3 Credits)**

This module The aim of this course is to ensure that students are successful at UTEL Level 5 in the Listening and Speaking examinations. They will, therefore, be able to listen to and grasp the main idea of a short speech, through an understanding of sequence markers and key vocabulary related to these spoken texts. This includes subject-related English for Academic Purposes (EAP). The aim is also to enable students to make short descriptive speeches about themselves, their surroundings and their basic substantive disciplines.

**Key Areas of Focus:** Short lectures and note-taking, discussions on subject-specific areas, answering listening comprehension exercises, identification of main ideas of verbal/visual texts and provide evidence. Understanding and following complex instructions within the field of AHS. Making impromptu speeches, conducting small-group discussions, role plays and simulations, and delivering short speeches on given topics.

Course assessment: In-course 40%, End semester 60%

**NS 2201      Adult Nursing 2      (5 Credits)**

Introduction to management of patients with gastrointestinal diseases/ disorders, musculoskeletal diseases/ disorders and endocrine diseases/ disorders, Wound care.

Course assessment: In-course 30%, End semester 70%

**NS 2202** **Nursing Theory and Practice 4** **(4 Credits)**

Nursing procedures pertaining to care of patient with gastrointestinal, musculoskeletal and endocrine systems. Course assessment: In-course 30%. End semester 70%

**NS 2203      Pediatric Nursing 1      (2 Credits)**

Introduction to child health nursing, Preventive pediatrics, Growth and development, Assessment of children, Illness and the child, Family of a child with special healthcare needs.

Course assessment: In-course 30%, End semester 70%

NS 2204 Basic Epidemiology (1 Credit)

Introduction and uses of Basic Epidemiology, Determinants of health and disease, Natural history of disease, levels of disease prevention, Health indicators, Association and causation of disease, Epidemiological triad, Dynamics of disease transmission, General measures of communicable disease control, Epidemiological approach in the study of diseases, Different types of data collection methods and their validity and reliability, Concepts and steps in epidemiological investigations, Role of the nurses in meeting epidemics and emergency situations.

Course assessment: In-course 30%, End semester 70%

**NS 2205 Trends in Nursing (1 Credit)**

Nursing as a profession, Issues in nursing, Recent trends in nursing education, practice, and health care, Expanded

## nurse, Role of the professional nursing organizations, I

## **3000 Level**

### **NS 3101    Adult Nursing 3**

**(5 Credits)**

Introduction to management of patients with reproductive diseases/disorders and urinary diseases/disorders, Introduction to caring of geriatric clients, Introduction to management of patients with eye, ear, nose and throat diseases/ disorders.

Course assessment: In-course 30%, End semester 70%

### **NS 3102    Nursing Theory and Practice 5**

**(4 Credits)**

Theory and skills pertaining to care of patients with neurological, genitourinary, otorhinolaryngology, dermatological and ophthalmic diseases, Assessment of a geriatric patient.

Course assessment: In-course 30%, End semester 70%

### **NS 3103    Paediatric Nursing 2**

**(2 Credits)**

Management of children with respiratory dysfunctions, gastrointestinal dysfunction, and cardiovascular dysfunction. Course assessment: In-course 30%, End semester 70%

### **NS 3104    Maternity Nursing 1 (Theory)**

**(2 Credits)**

Introduction to national maternal healthcare system, Normal physiological and psychological changes during pregnancy, Signs and symptoms of pregnancy, Possible warning signs and symptoms of high risk pregnancy, Application of nursing process in providing antenatal care for low-risk and high risk pregnant women, Process of Labour and birth, Application of nursing process for a laboring woman, Puerperium, Psychological reactions to childbirth, Immediate newborn care, Breastfeeding.

Course assessment: In-course 30%, End semester 70%

### **NS 3105    Nutrition & Dietetics**

**(2 Credits)**

Introduction to nutrition, Energy, Nutritional status, Nutrition throughout the life cycle, Selection, storage, preparation and preservation of food, Introduction to diet therapy, Diet for patients with disorders of gastro- intestinal and cardiovascular systems, Diet for patients with metabolic disorders, Diet for patients with obesity and allergy.

Course assessment: In-course 30%, End semester 70%

**NS 3106 Research Methodology 1 (1 Credit)**

Introduction to research in health sciences, Evidenced Based Practice in nursing, Scientific method and the research process, Ethics in health research, Scientific information, Finding a good research problem/question, Hypotheses, Populations and samples, Choice of measurements, Basic research designs in health sciences.

Course assessment: In-course 30%, End semester 70%

NS 3201 Adult Nursing 4 (4 Credits)

Introduction to management of patient with neurological, dermatological and oncological conditions, Introduction to death and dying and the role of the nurse.

Course assessment: In-course 30% End semester 70%

**NS 3202      Nursing Theory and Practice 6      (2 Credits)**

Theory and skills related to patients with dermatological and oncologic conditions, Care of elderly patients and patients with chronic conditions, Death and dying care, Assisting with advanced procedures, Head injury observation, Assessment of CVP.

Course assessment: In-course 30%, End semester 70%

**NS 3203 Pediatric Nursing 3 (2 Credits)**

Introduction to management of child with diseases/disorders of the blood forming organs, genito urinary system, endocrine system and nervous system.

Course assessment: In-course 30%, End semester 70%

**NS 3204      Maternity Nursing 1 (Clinical)      (2 Credits)**

Application of nursing process to low risk and high risk antepartum care, Labor and delivery, Observe and assist normal vaginal delivery, Postpartum care, Immediate newborn care.

Course assessment: In-course 30%, End semester 70%

**NS 3205      Nursing in Trauma Management 1 (Clinical)      (2 Credits)**

Epidemiology, causes, classification and prevention of trauma, Pathology and pathophysiology of trauma, Pre- hospital care and triage, History taking in trauma patients, Review of first aid, Initial management of trauma victims, Secondary survey management, Nursing management of regional injuries, Prevention and management of infection in trauma victims.

Course assessment: In-course 30%, End semester 70%

## Course assessment: In course 50%, End semester 70%

NS 3206 Community Health Nursing

(6 Credits)

Concepts and dimensions of the community health nursing, Functioning of the public health services in Sri Lanka, Special campaigns, Special units related to public health and their functions, National health programmes, Disease surveillance system and role of different public health personal, Family and the use of nursing process in the community, Care of families with specific healthcare needs, Approaches to family health, Concepts of health and health promotion, Health and environment, Identification of public health problems.

Course assessment: In-course 30%, End semester 70%

NS 3207 Research Methodology 2

(1 Credit)

Introduction to quantitative and qualitative research approaches, Research designs in health sciences and their applications, Methods/tools of data collection in quantitative and qualitative approaches, Designing questionnaires, Introduction to scientific writing, Citation management and references, Develop a research proposal.

Course assessment: In-course 30%, End semester 70%

## 4000 Level

NS 4101 Nursing Informatics

(1 Credit)

Concepts related to nursing informatics, Introduction to nursing informatics, Review of technical competencies for nursing informatics, Applications of informatics in nursing practice, Ethical issues in nursing informatics; Nursing informatics as a career. Course assessment: In-course 30%, End semester 70%

NS 4102 Emergency and Disaster Nursing

(2 Credits)

Introduction to emergency and disaster nursing, Principles and concepts of emergency and disaster nursing, Organization of men, material and facilities for emergency care, Emergency resuscitation, Emergency care of life threatening physiological conditions, emergency care of cardiac dysrhythmias and infarction, patients with poisoning, venomous snake bites, altered thermoregulation and management of patients with anaphylaxis, Types of disasters, Disaster preparedness, Pre-hospital care, Triage, Training of disaster volunteers, Management of disaster victims and their families and the role of the nurse in the above.

Course assessment: In-course 30%, End semester 70%

NS 4103 Pediatric Nursing 4

(3 Credits)

Introduction to management of child with integumentary dysfunction, skeletal problems, communicable diseases, eye, ear and communication disorders and nutritional disorders.

Course assessment: In-course 30%, End semester 70%

**NS 4104 Maternity Nursing 2 (Theory) (2 Credits)**

Management of patients with deviations from normal labour, Intrapartum obstetrical emergencies, Postpartum complications, Newborn process of adaptation, Physical assessment of newborn, Nursing management during neonatal period, Management of newborns with complications, Postpartum contraception/family planning and birth spacing.

Course assessment: In-course 30%, End semester 70%

**NS 4105 Teaching and Learning in Nursing (2 Credits)**

Theories and principles of education, Philosophy of education, Principles and methods of teaching, Eduative process, Learning process, Teaching-learning methods, Evaluation, Principles and concepts of guidance and counselling in learning, Basics of curriculum development, Organizational pattern of the nursing curriculum.

Course assessment: In-course 30%, End semester 70%

**NS 4106 Psychiatric Nursing and Mental Health (5 Credits)**

Introduction to psychiatric and mental health nursing, Nursing management of patients with mental health problems, Therapeutic modalities in mental health, Application of nursing process in specific mental health conditions.

Course assessment: In-course 30%, End semester 70%

**NS 4201 Leadership and Management in Nursing (3 Credits)**

Overview of nursing leadership and management, Management of health care and nursing, Quality and outcome management in health care and nursing, Resource management in health service system, Communication, Group dynamics, Conflict resolution, Management of change.

Course assessment: In-course 30%, End semester 70%

**NS 4202 Critical Care Nursing (3 Credits)**

Introduction to critical care nursing, Airway management, Management of critical conditions of respiratory system, cardiovascular system and central nervous system, Sedation and pain relief in ICU, ICU management of fluid and metabolic disorders, immune, haematological and endocrinological disorders and disorders of gastrointestinal system. Critical care management of obstetric emergencies, Communication skills in the ICU, End of life care, Infection control in ICU.

Course assessment: In-course 30%, End semester 70%

**NS 4203 Research project (6 Credits)**

Students are required to carry out a research project (which was designed at the third year second semester under Research Methods 2 course) using appropriate methodology under supervision in an area relevant to nursing; Students in the final research project report should outline the research background, aims and objectives of the study, justification for the study, ethical

considerations, and detail research methods and measurements, data analysis, and should discuss the findings and report a conclusion.

Course assessment: In-course 20%, End semester 80%

**NS 4204 Maternity Nursing 2 (Clinical) (2 Credits)**

Application of nursing process to care for women with deviations from normal labour, Care for women with intraparum obstetric emergencies, Care of women with complicated postpartum recovery, Newborn physical examination, Care of newborns with complications, Counseling and health education on postpartum contraception and family planning.

Course assessment: In-course 40%, End semester 60%

**NS 4205 Nursing in Trauma Management 2 (Clinical) (2 Credits)**

Basic management of eye, ENT and musculoskeletal trauma, Management of shock, burn injuries, suffocation, choking and drowning, obstetric trauma and genito-urinary trauma, Wound care, Rehabilitation of trauma victims. Course assessment: In-course 30%, End semester 70%

**NS 4206 Operation Theatre Nursing (3 Credits)**

Principles and practice of perioperative nursing, Current context and future challenges impacting upon perioperative service delivery, Operating theatre set up, Infection prevention and control, Application of nursing process for surgical patients in the pre-operative, intraoperative and post-operative phases, Integration of evidence based practice into care delivery, Role of the perioperative nurse in the multidisciplinary team approach, Legal and ethical issues, Application of policies, guidelines and standards to enhance and support practice, Patient safety and risk management strategies in operating theaters.

Course assessment: In-course 40%, End semester 60%

**NS 4207 Palliative Care Nursing (3 Credits)**

Introduction of palliative care, hospice care and end-of-life care, Principles of palliative care, Communication skills, Life-threatening illnesses, Nursing care for controlling symptoms for palliative care patients, Pain management, Quality of life, Nursing procedures in palliative care, Ethical issues, Optimization of care, Grief and bereavement, Self-care, Palliative care in a variety of clinical practice settings.

Course assessment: In-course 40%, End semester 60%

**NS 4208 Neonatal Nursing (3 Credits)**

Newborn adjustment to extra uterine life, Resuscitation of newborn, Newborn physical assessment, Birth injuries, Dermatologic problems in the newborn, Newborn screening for diseases, Health problems of newborns, Essential newborn care, Nursing care of sick term newborn, Care of preterm newborn, Assessment of growth and development.

Course assessment: In-course 30%, End semester 70%

**NS 4209    Gerontological Nursing**

**(3 Credits)**

Health and Wellness in an Aging Society, Review of physiological and functional changes in older people, Review of the assessment of older people, Nursing considerations for older people, Wellness and function in older people, Multisystem alteration and living with chronic medical problems, Individual and family psychodynamics, Alterations in mental processing, Caring older people at the end-of-life, Future challenges for gerontological nursing.

Course assessment: In-course 30%, End semester 70%