# EMU FACULTY OF HEALTH SCIENCES NURSING CURRICULUM

1. NURS201 Basic Concepts in Nursing

Basic knowledge about concepts, nursing, holistic view and human beings, environment and human beings, health and illness, patient

safety, stress, anxiety, and adaptation, sleep and rest, pain.

Credits: (3/1/0) 3 Prerequisites: None ECTS: 4

Abbreviated Title:Basic Concepts Category: Area Core Teaching Language: English

Keywords: Concepts, Holistic View, Health and Illness

2. NURS203 Fundamentals of Nursing

The content of this course include; the knowledge and skills on basic theories, concepts, principles and methods of nursing care and includes skin integrity, administration of medications, hygiene, movement, oxygenation, fluid, nutrition, elimination (urinary and bowel elimination) needs of the healthy individual and patient, perioperative care, loss and grief, death, systematic approach to nursing and

ractice.

Credits: (4/3/7) 6 Prerequisites: None ECTS: 9

Abbreviated Title: Fundamentals of Nursing Category: Area Core Teaching Language: English

Keywords: Nursing Care, Nursing skills

3. NURS205 Communication in Nursing

The contents of this course cover basic elements of the patient-nurse interaction and the importance of it in development and maintenance of the quality of nursing care, as well as therapeutic or non-therapeutic methods affecting this process and discussions on the particulars of patient-nurse interaction in the scope of special clinical cases such as a patient with cancer, a patient refusing treatment and care, a patient

approaching death, etc.

Credits: (2/2/0) 3 Prerequisites: None ECTS: 4

Abbreviated Title: Communication Category: Area Core Teaching Language: English

Keywords: Human relations, Therapeutic communication

4. NURS207 Patient Education

The content of this course includes; basic concepts in patient education, objectives and principles of patient education, affecting factors of patient education, the disease coping process, nurse patient educator role, determination of requirements in the patient education, planning patient education, implementation of patient education, evaluation of patient education.

Credits: (2/2/0) 3 Prerequisites: None ECTS: 5

Abbreviated Title: Patient Education Category: Area Core Teaching Language: English

Keywords: Coping process, Basic concepts in patient education

5. NURS202 Medical Nursing

Improving students' ability of practice and knowledge regarding improving health, keeping healthy, early diagnosis of illnesses, treatment, care and rehabilitation, knowledge of the patient and family. Throughout the course, students will be engaging with nursing process, fluid-electrolyte balance, acid-base equilibrium and imbalance, shock and nursing care, system diseases and nursing care and practice.

Credits: (4/3/7) 6 Prerequisites: HMSR203 ECTS: 9

Abbreviated Title: Medical Category: Area Core Teaching Language: English

Keywords: Disease, Treatment, Care

NURS204 Surgical Nursing

Within the scope of primary health care consideration, basic principles of surgery, surgical illnesses of systems, gaining required ability of application, knowledge and practicing nursing regarding pre-during-post surgery for improving patient's physical, psychological and social

conditions.

Credits: (4/3/7) 6 Prerequisites: HMSR203 ECTS: 9

Abbreviated Title: Surgical disease Category: Area Core Teaching Language: English

Keywords: Surgical, Operating room

7. NURS206 Health Assessment

The content of this course include; health assessment for nursing care, health history for nursing care, physical assessment skills, preparation for physical assessment, general assessment of the individual, physical examination of the physiological systems.

Credits: (2/2/0) 3 Prerequisites: None ECTS: 6

Abbreviated Title: Health Assessment Category: Area Core Teaching Language: English

Keywords: Health History for Nursing Care, Physical Assessment in Nursing

NURS208 Radition Safety in Healthcare Institution

The content of this course include; the harm of radiation on human health and environment, harms of radiation on pregnants and children, radiation accidents, precautions for radiation accidents, precautions for radiation accidents, precautions for radiation accidents.

safety, types of radiation.

Credits: (2/0/0) 2 Prerequisites: None ECTS: 3

Abbreviated Title: Radition Safety Category: Area Core Teaching Language: English

Keywords: Harms of radiation, Precautions for radiation safety

9. NURS210 History of Nursing and Health Legislation

The course includes the topics of health related beliefs and practices in the historical process, historical developments of nursing profession in the world, historical developments of nursing profession in TRNC and TR, nursing and health laws, rules and regulations in TRNC and

IK.

Credits: (2/0/0) 2 Prerequisites: None ECTS: 3

Abbreviated Title: History of Nursing and Legislation Category: Area Core Teaching Language: English

Keywords: Nursing History, Nursing Law

10. NURS301 Women Health and Gynecology Nursing

The course aims to improve students' knowledge about women, baby's and family's health care from infancy to elderliness and nursing care of gynecological illnesses. It includes, women's health and gynecology nursing, reproduction health and nursing roles, normal and risky neonatal, pregnancy, nursing care in pre and post birth, reproduction system diseases, nursing care and practice.

Credits: (4/3/7) 6 Prerequisites: HMSR203 ECTS: 9

Abbreviated Title: Women Health and Gynecology Category: Area Core Teaching Language: English

Keywords: Gynecology, Obstetrics

11. NURS303 Child Health and Disease Nursing

This course enables students to evaluate a child's normal and abnormal growth and development characteristics (from birth until the end of adolescence) according to the systems within the framework of holistic nursing approach. The status of child health in the world and in our country, basic concepts in pediatric nursing, immunization, growth- development and disorders, nutrition, systems and nursing care and practicing.

practicing.

Credits: (4/3/7) 6 Prerequisites: HMSR203 ECTS: 9

Abbreviated Title: Child Health Nursing Category: Area Core Teaching Language: English

Keywords: Growth- development, Child Health

12. NURS305 Clinical Nursing Skills Practice - I

This course focuses on nursing care practice in national and/or international health care settings. It continues 35 working days (8 hours /

day) and a total of 280 hours.

Credits: (0/0/0) Prerequisites: None ECTS: 4

Abbreviated Title: Summer Practice - I Category: Area Core Teaching Language: English

Keywords: Nursing care, clinical skills

13. NURS302 Mental Health and Psychiatric Nursing

Protection of mental health and mental health variables that affect physical, social, and mental health problems, the course gives preventive, curative, rehabilitative nursing skills and teaches individuals to cope with problems practically. Psychiatric nursing philosophy, purpose, basic concepts in the field of mental health and illness, theories and laws, adult and child mental health problems, treatment and

nursing care and practice.

Credits: (4/3/7) 6 Prerequisites: HMSR203 ECTS: 9

Abbreviated Title: Mental Health Nursing Category: Area Core Teaching Language: English

Keywords: Psychiatric Nursing, Mental Health

14. NURS304 Community Health Nursing

Individuals, family and community approach to primary health care nursing services at home and non-hospital institutions using the necessary knowledge, skills and behaviors. The course covers the organization of health services in the world, TRNC and Turkey, basic health care and philosophy, public health nurse's role and duties, home care, maternal and child health, environmental health, occupational

health, school health services, nurse's role in the public health and practicing.

Credits: (4/3/7) 6 Prerequisites: HMSR203 ECTS: 9

Abbreviated Title: Community Health Category: Area Core Teaching Language: English

Keywords: Primary health care, Home care

15. NURS306 Nursing Research

Science and research, using of the scientific problem solving method in the field of nursing research process, the importance of research in nursing, nursing research and using in practice, research designs, sampling, data collection methods, writing and presenting of research

report, ethical responsibilities of researchers and evidence based nursing.

Credits: (3/0/0) 3 Prerequisites: None ECTS: 4

Abbreviated Title: Nursing Research Category: Area Core Teaching Language: English

Keywords: Research methods, Evidence based nursing

16. NURS308 Geriatric Care

The course provides knowledge in the field of geriatrics and identifies problems of elderly individuals care. The course covers definition and classification of age, assessment of elderly individual and physiological changes in old age, nutrition, pain and dementia / Alzheimer in old age, occurring accidents and ways of protection, psychosocial problems, quality of life and home care, elder abuse, geriatric nursing

issues.

Credits: (3/0/0) 3 Prerequisites: None ECTS: 4

Abbreviated Title: Geriatric Care Category: Area Core Teaching Language: English

Keywords: Geriatric nursing, Elderly

NURS401 **Ethics in Nursing** 

> The content of this course includes basic information on ethical concepts and scope of bioethics, the social and cultural context of ethics, philosophical basis and relevance of ethics with laws, major ethical theories, code of nursing ethics, and explication of care ethics with nursing, and ethical decision making in nursing practice.

Credits: (2/0/0)2 Prerequisites: None ECTS: 2

Abbreviated Title: Ethics in Nursing Category: Area Core Teaching Language: English

Keywords: Ethical concepts, Care ethics

NURS403 18. **Education in Nursing** 

The course aims to provide knowledge and practice, skills and attitudes to students in activities related to the planning, implementation and the evaluation of teaching-learning process. The role, importance and principles of education in nursing, concepts of teaching and learning, factors affecting learning, process of teaching-learning, group training, orientation and in-service training, adult education, health education and practice in nursing education.

Credits: (4/2/0)5 Prerequisites: None ECTS: 6

Abbreviated Title: Education in Nursing Teaching Language: English Category: Area Core

Keywords: Teaching, Learning

Nursing Profession Courses Practice - I NURS405 19.

This course focuses on providing experience in comprehensive nursing interventions in the primary, secondary and tertiary national and/or international health care settings for prepare students to the profession.

Credits: (0/0/24) 3 Prerequisites: HMSR203, 206, 208, 305, 307, 306, 308

Abbreviated Title: Profession Courses Practice - I Category: Area Core Teaching Language: English

Keywords: Skills improvement, Professional Nursing 20. NURS407 Clinical Nursing Skills Practice - II

This course focuses on nursing care practice in national and/or international health care settings. It continues 35 working days (8 hours /

day) and a total of 280 hours.

Credits: (0/0/0) 0 Prerequisites: None ECTS: 4

Abbreviated Title: Summer Practice - II Category: Area Core Teaching Language: English

Keywords: Nursing care, Clinical skills

**Emergency Nursing** 

21.

Improving students' knowledge and ability about saving lives of patients who suffer from acute disease, accident, natural disasters or war. The course includes knowledge about natural disasters and taking measures, standards of interferences in natural disasters, basic principles of first aid and first aid in emergency cases and practicing.

Credits: (2/2/0) 3 Prerequisites: None ECTS: 5

Abbreviated Title: Emergency Nursing Category: Area Core Teaching Language: English

Keywords: Emergency Care, First Aid

**Epidemiology for Nursing** 22. NURS404

Health level of community, frequencies and distribution of diseases, cause and effect relationships of diseases and basic concepts of epidemiology are the subjects of the course. It includes definition of epidemiology, basic concepts, principles and methods of epidemiology, measuring health and demographic data, pace and rates of epidemiology, epidemiology of infectious diseases.

Credits: (2/0/0)2 Prerequisites: None ECTS: 4

Abbreviated Title: Epidemiology Category: Area Core Teaching Language: English

Keywords: Epidemiology, Health

23. NURS406 Management in Nursing

> The course aims to provide knowledge, skills and attitudes to students in nursing services planning, organization, implementation, evaluation and coordination activities related to the management. The course covers the definition of management, purpose, theories, nursing management, functions of nurse manager, management process, organizational structure, motivation, job satisfaction, power, authority, problem solving, decision making, ethics and management, legal issues, providing quality and practicing.

Credits: (4/2/0)5 Prerequisites: None ECTS: 7

Teaching Language: English Abbreviated Title: Management in Nursing Category: Area Core

Keywords: Administration, Nursing Services Organization

**Nursing Profession Courses Practice - II** 

This course focuses on providing experience in comprehensive nursing interventions in the primary, secondary and tertiary national and/or international health care settings for prepare students to the profession.

Credits: (0/0/24) 3 Prerequisites: HMSR203, 206, 208, 305, 307, 306, 308 ECTS: 10

Abbreviated Title: Profession Courses Practice - II Category: Area Core Teaching Language: English

Keywords: Skills improvement, Professional Nursing

### ALL COMPULSORY COURSES OFFERED BY OTHER ACADEMIC UNITS

#### HIST280 Atatürk's Principles and History of Turkish Reforms

The topics of the collapse of the Ottoman Empire, Tanzimat and Islahat, I. and II. Constitutional Period, World War I and the entry of the Ottoman Empire, the Armistice of Mudros, Atatürk's personality and his departure to Samsun, congresses period and the Independence War, the Abolition of the Sultanate, the Lausanne Peace Treaty, the principles and reforms of Atatürk and modern Turkey.

Prerequisites: None

Course Category: University Core

ECTS: 2

Teaching Language: English

Credits: (2/0/0)2

Abbreviated Title: Atatürk's Principle and Turkish Reforms

Keywords: History, revolution

Department offering the course: Ataturk Research Center

Communication in English - I

ENGL 191 is a first semester freshman academic English course. It is designed to help students improve the level of their English to B1 level, as specified in the Common European Framework of Reference for Languages. The course connects critical thinking with language skills and incorporates learning technologies such as Moodle. The purpose of the course is to consolidate students? knowledge and awareness of academic discourse, language structures and lexis. The main focus will be on the development of productive (writing and speaking) and receptive (reading) skills in academic settings.

Credits: (3/1/0) 3 Prerequisites: None ECTS: 4 Teaching Language: English

Abbreviated Title: English - I Category: University Core

Keywords: Common European Framework of Reference for Languages, A1

Department offering the course: Modern Languages

ENGL192 Communication in English - II

This course is designed to further help students improve their English to B2 level, as specified in the Common European Framework of References for Languages. The course aims to reconsolidate and develop students? knowledge and awareness of academic discourse, language structures, and critical thinking. The course also incorporates use of technologies such as MOODLE. The course will focus on reading, writing, listening, speaking and introducing documentation, and will also focus on presentation skills in academic settings.

Credits: (3/1/0) 3 Prerequisites: ENGL171 Teaching Language: English

Category: University Core Abbreviated Title: English - II

Keywords: Common European Framework of Reference for Languages, A1

Department offering the course: Modern Languages

Computer - I

This course is an introduction to the world of Computing and Information Technology (IT). Today, we are all part of an exploding Information Society and in this dynamic new society people at homes, schools, institutions and businesses are engaged in an evergrowing partnership with computers. Computers and Information Technology are part of just about everything we do at work and at home. And the fact is that, computers will play an even greater role in our lives in the years to come. The course presents the basic description of information technology concepts, basic computer system hardware and software components, common terminology in information technology, application areas, and integration of computer system components.

Credits: (2/2/0) 3 Prerequisites: None ECTS: 2

Abbreviated Title: Introduction to Computer Course Category: University Core Teaching Language: English

Keywords: Computer, program

Department offering the course: Department of Technology of Computer and Informatic Systems

**HLTS 141** 

General anatomical principles, upper limb, lower limb, cranial bones, facial region, parotid region and neck, thorax, nose, larynx, heart, great vessels, general circulation, gastrointestinal system, urogenital system, central nervous system, eye, visual pathway, ear, auditory pathway, endocrine system.

Credits: (3/3/0)4 Prerequisites: None FCTS: 6

Abbreviated Title: Anatomy Course Category: Area Core Teaching Language: English

Keywords: Human body, Organs

Department offering the course: Physiotherapy and Rehabilitation

HLTS142 6. Pathology

Introduction to pathology, methods and techniques, mechanisms of cellular adaptation, stem cells, mechanisms of cellular injury, necrosis and apoptosis, inflammation and cellular repair mechanisms, immunopathology, pathology of infectious diseases, pathology of genetic diseases, hemodynamic disorders, neoplasia.

Credits: (2/0/0)2 Prerequisites: None

Abbreviated Title: Pathology Course Category: Area Core Teaching Language: English Keywords: Inflammation, Mechanism of Diseases

Department offering the course: Physiotherapy and Rehabilitation

HLTS143 Physiology Cellular physiology, physiology of the muscle, central nervous system physiology, peripheral nervous system physiology, sensory organs physiology, physiology of the blood, physiology of the heart, circulatory physiology, respiratory system physiology, digestive system and metabolism physiology, excretory system physiology, endocrine system physiology. Credits: (3/0/0)3 Prerequisites: None Abbreviated Title: Physiology Course Category: Area Core Teaching Language: English Keywords: Homeostasis, Body systems

Clinical Microbiology 8.

Department offering the course: Physiotherapy and Rehabilitation

General properties and classification of microorganisms, feeding and reproduction of microorganisms, relations with the host microorganism, sterilization and disinfection, microorganisms and their infections, infectious diseases, hospital infections, properties of the immune system, vaccines, immune serums.

Credits: (2/2/0) 3 Prerequisites: None

Abbreviated Title: Microbiology Teaching Language: English Course Category: Area Core Keywords: Microorganism, Parasit

Department offering the course: Physiotherapy and Rehabilitation

HLTS145 Histology 9. Inroduction to cell structure and the cell membrane, the cytoplasmic organels, histology of epithelial tissue, connective and supportive tissues, cartilage, bone, muscle tissue, blood, nervous tissue.

Credits: (2/0/0)2 Prerequisites: None ECTS: 5 Abbreviated Title: Histology Course Category: Area Core Teaching Language: English

Keywords: Cell, Tissue Department offering the course: Physiotherapy and Rehabilitation

Pharmacology for Nursing 10. HLTS146

The aim of this course is to enable nursing students to learn the basic concepts of pharmacology and toxicology, drugs and drug interactions. This course includes introduction to pharmacology, drug interactions, drug abuse and dependence, pharmacological

properties and side effects of drugs acting on organ systems.

Credits: (3/0/0) 3 Prerequisites: None ECTS: 7

Abbreviated Title: Pharmacology for Nursing Course Category: Area Core Teaching Language: English

Keywords: Drugs, Addiction

11.

Department offering the course: Physiotherapy and Rehabilitation PSYC104 Psychological Science

The course is designed to introduce students to the subjects and themes of psychology as a science. This course provides a basic general introduction to the main fields of psychological enquiry, the major theoretical systems within each field and their practical applications. The areas covered include psychological research, learning, memory, motivation, consciousness, and industrial, and health, social, counselling and clinical psychology.

Credits: (3/0/0) 3 Prerequisites: None FCTS: 5

Teaching Language: English Abbreviated Title: General Psychology Course Category: Area Core

Keywords: Psychology, Human Behavior, Cognitive Processes, Learning

Department offering the course: Psychology

12. NUTD103 Introduction to Nutrition The course provides information about nutrition principles and properties, the definition and importance of nutrition, food items and functions, nutrition in special period (pregnant- lacting ,0-1-year- old baby, school age, adolescent, elderly, etc.).

Credits: (2/0/0)2 Prerequisites: None ECTS: 2 Abbreviated Title: Introduction to Nutrition Course Category: Area Core Teaching Language: English

Keywords: Nutrition, Food

Department offering the course: Nutrition and Dietetics

13. Biochemistry

This course is for nursing; located in chemicals and live a life in human nature it is to examine a chemical process that lingers throughout. In addition to contributing to the course it aims to transfer knowledge of molecular genetics and biotechnology issues. Students, biochemistry, and molecular genetics comprehensive techniques peculiar to learn the principles and applications. These issues are targeted to support them to grow as they are equipped and informed nursing.

Credits: (2/0/0)2 Prerequisites: None ECTS: 3

Abbreviated Title: Biochemistry Course Category: Area Core Teaching Language: English

Keywords: Biochemical Process, Molecular Genetics Department offering the course: Biological Sciences

# 4. MATH212 Biostatistics

Introduction to statistics and biostatistics, usage of statistics in health sciences and related investigations, data collection, descriptive statistics, tables and graphs, probability and probability distributions, sampling, hypothesis testing, regression and correlation analysis, basic concepts of statistics and descriptive statistics, statistical comparison methods, statistical analyses, research design, data collection tools, inspection of sufficiency and reliabilities, scaling and preparation of scientific reports

Credits: (2/0/0) 2 Prerequisites: None ECTS: 4

Abbreviated Title: Biostatistics Course Category: Area Core Teaching Language: English

Keywords: Sampling, Statistical Analyses, Hypothesis Testing

Department offering the course: Mathematics

## 15. MATH135 Basic Mathematics for Health Sciences

Basic terminologies of mathematics, arithmetic operations on different number systems. Rational numbers, irrational numbers, real numbers, algebraic expressions. Functions, definition of functions, methods of building functions, graphs of linear functions. Ratio and ratio problems. Conversion between units in metric system, length, weight, area and volume measurements, surface area calculations. Matrices, matrix types, determinant concept. Linear equation systems and solutions.

Credits: (3/0/0) 3 Prerequisites: None ECTS: 5

Abbreviated Title: Basic Math Course Category: Area Core Teaching Language: English

Keywords: Arithmetic, Ratio And Proportion, Metric System

Department offering the course: Mathematics