

**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. <i>Credits: (3 / 1 / 0) 3</i> <i>Abbreviated Title: Basic Concepts</i> <i>Keywords: Concepts, Holistic View, Health and Illness</i>	<i>Prerequisites: None</i> <i>Category: Area Core</i>	<i>ECTS: 4</i> <i>Teaching Language: English</i>
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 practice. <i>Credits: (4 / 3 / 7) 6</i> <i>Abbreviated Title: Fundamentals of Nursing</i> <i>Keywords: Nursing Care, Nursing skills</i>	<i>Prerequisites: None</i> <i>Category: Area Core</i>	<i>ECTS: 9</i> <i>Teaching Language: English</i>
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. <i>Credits: (2 / 2 / 0) 3</i> <i>Abbreviated Title: Communication</i> <i>Keywords: Human relations, Therapeutic communication</i>	<i>Prerequisites: None</i> <i>Category: Area Core</i>	<i>ECTS: 4</i> <i>Teaching Language: English</i>
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. <i>Credits: (2 / 2 / 0) 3</i> <i>Abbreviated Title: Patient Education</i> <i>Keywords: Coping process, Basic concepts in patient education</i>	<i>Prerequisites: None</i> <i>Category: Area Core</i>	<i>ECTS: 5</i> <i>Teaching Language: English</i>
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. <i>Credits: (4 / 3 / 7) 6</i> <i>Abbreviated Title: Medical</i> <i>Keywords: Disease, Treatment, Care</i>	<i>Prerequisites: HMSR203</i> <i>Category: Area Core</i>	<i>ECTS: 9</i> <i>Teaching Language: English</i>
6.	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. <i>Credits: (4 / 3 / 7) 6</i> <i>Abbreviated Title: Surgical disease</i> <i>Keywords: Surgical, Operating room</i>	<i>Prerequisites: HMSR203</i> <i>Category: Area Core</i>	<i>ECTS: 9</i> <i>Teaching Language: English</i>
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. <i>Credits: (2 / 2 / 0) 3</i> <i>Abbreviated Title: Health Assessment</i> <i>Keywords: Health History for Nursing Care, Physical Assessment in Nursing</i>	<i>Prerequisites: None</i> <i>Category: Area Core</i>	<i>ECTS: 6</i> <i>Teaching Language: English</i>
8.	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, personal precautions for radiation safety, institutional precautions for radiation safety, types of radiation. <i>Credits: (2 / 0 / 0) 2</i> <i>Abbreviated Title: Radition Safety</i> <i>Keywords: Harms of radiation, Precautions for radiation safety</i>	<i>Prerequisites: None</i> <i>Category: Area Core</i>	<i>ECTS: 3</i> <i>Teaching Language: English</i>

9.	<p>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 TR.</p> <p><i>Credits: (2/0/0) 2</i> <i>Prerequisites: None</i> <i>ECTS: 3</i> <i>Abbreviated Title: History of Nursing and Legislation</i> <i>Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Nursing History, Nursing Law</i></p>
10.	<p>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.</p> <p><i>Credits: (4/3/7) 6</i> <i>Prerequisites: HMSR203</i> <i>ECTS: 9</i> <i>Abbreviated Title: Women Health and Gynecology</i> <i>Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Gynecology, Obstetrics</i></p>
11.	<p>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.</p> <p><i>Credits: (4/3/7) 6</i> <i>Prerequisites: HMSR203</i> <i>ECTS: 9</i> <i>Abbreviated Title: Child Health Nursing</i> <i>Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Growth- development, Child Health</i></p>
12.	<p>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.</p> <p><i>Credits: (0/0/0) 0</i> <i>Prerequisites: None</i> <i>ECTS: 4</i> <i>Abbreviated Title: Summer Practice - I</i> <i>Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Nursing care, clinical skills</i></p>
13.	<p>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.</p> <p><i>Credits: (4/3/7) 6</i> <i>Prerequisites: HMSR203</i> <i>ECTS: 9</i> <i>Abbreviated Title: Mental Health Nursing</i> <i>Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Psychiatric Nursing, Mental Health</i></p>
14.	<p>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.</p> <p><i>Credits: (4/3/7) 6</i> <i>Prerequisites: HMSR203</i> <i>ECTS: 9</i> <i>Abbreviated Title: Community Health</i> <i>Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Primary health care, Home care</i></p>
15.	<p>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.</p> <p><i>Credits: (3/0/0) 3</i> <i>Prerequisites: None</i> <i>ECTS: 4</i> <i>Abbreviated Title: Nursing Research</i> <i>Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Research methods, Evidence based nursing</i></p>
16.	<p>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.</p> <p><i>Credits: (3/0/0) 3</i> <i>Prerequisites: None</i> <i>ECTS: 4</i> <i>Abbreviated Title: Geriatric Care</i> <i>Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Geriatric nursing, Elderly</i></p>

17.	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. <i>Credits: (2 / 0 / 0) 2</i> <i>Abbreviated Title: Ethics in Nursing</i> <i>Keywords: Ethical concepts, Care ethics</i>	<i>Prerequisites: None</i> <i>Category: Area Core</i>	<i>ECTS: 2</i> <i>Teaching Language: English</i>
18.	NURS403 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. <i>Credits: (4 / 2 / 0) 5</i> <i>Abbreviated Title: Education in Nursing</i> <i>Keywords: Teaching, Learning</i>	<i>Prerequisites: None</i> <i>Category: Area Core</i>	<i>ECTS: 6</i> <i>Teaching Language: English</i>
19.	NURS405 Nursing Profession Courses Practice - I 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. <i>Credits: (0 / 0 / 24) 3</i> <i>Abbreviated Title: Profession Courses Practice - I</i> <i>Keywords: Skills improvement, Professional Nursing</i>	<i>Prerequisites: HMSR203, 206, 208, 305, 307, 306, 308</i> <i>Category: Area Core</i>	<i>ECTS: 10</i> <i>Teaching Language: English</i>
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. <i>Credits: (0 / 0 / 0) 0</i> <i>Abbreviated Title: Summer Practice - II</i> <i>Keywords: Nursing care, Clinical skills</i>	<i>Prerequisites: None</i> <i>Category: Area Core</i>	<i>ECTS: 4</i> <i>Teaching Language: English</i>
21.	NURS402 Emergency Nursing 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. <i>Credits: (2 / 2 / 0) 3</i> <i>Abbreviated Title: Emergency Nursing</i> <i>Keywords: Emergency Care, First Aid</i>	<i>Prerequisites: None</i> <i>Category: Area Core</i>	<i>ECTS: 5</i> <i>Teaching Language: English</i>
22.	NURS404 Epidemiology for Nursing 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. <i>Credits: (2 / 0 / 0) 2</i> <i>Abbreviated Title: Epidemiology</i> <i>Keywords: Epidemiology, Health</i>	<i>Prerequisites: None</i> <i>Category: Area Core</i>	<i>ECTS: 4</i> <i>Teaching Language: English</i>
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. <i>Credits: (4 / 2 / 0) 5</i> <i>Abbreviated Title: Management in Nursing</i> <i>Keywords: Administration, Nursing Services Organization</i>	<i>Prerequisites: None</i> <i>Category: Area Core</i>	<i>ECTS: 7</i> <i>Teaching Language: English</i>
24.	NURS408 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. <i>Credits: (0 / 0 / 24) 3</i> <i>Abbreviated Title: Profession Courses Practice - II</i> <i>Keywords: Skills improvement, Professional Nursing</i>	<i>Prerequisites: HMSR203, 206, 208, 305, 307, 306, 308</i> <i>Category: Area Core</i>	<i>ECTS: 10</i> <i>Teaching Language: English</i>

ALL COMPULSORY COURSES OFFERED BY OTHER ACADEMIC UNITS

1.	<p>HIST280 Atatürk's Principles and History of Turkish Reforms</p> <p>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.</p> <p><i>Credits: (2 / 0 / 0) 2</i> <i>Prerequisites: None</i> <i>ECTS: 2</i> <i>Abbreviated Title: Atatürk's Principle and Turkish Reforms</i> <i>Course Category: University Core</i> <i>Teaching Language: English</i> <i>Keywords: History, revolution</i> <i>Department offering the course: Ataturk Research Center</i></p>
2.	<p>ENGL191 Communication in English - I</p> <p>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.</p> <p><i>Credits: (3 / 1 / 0) 3</i> <i>Prerequisites: None</i> <i>ECTS: 4</i> <i>Abbreviated Title: English - I</i> <i>Category: University Core</i> <i>Teaching Language: English</i> <i>Keywords: Common European Framework of Reference for Languages, A1</i> <i>Department offering the course: Modern Languages</i></p>
3.	<p>ENGL192 Communication in English - II</p> <p>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.</p> <p><i>Credits: (3 / 1 / 0) 3</i> <i>Prerequisites: ENGL171</i> <i>ECTS: 4</i> <i>Abbreviated Title: English - II</i> <i>Category: University Core</i> <i>Teaching Language: English</i> <i>Keywords: Common European Framework of Reference for Languages, A1</i> <i>Department offering the course: Modern Languages</i></p>
4.	<p>ITEC105 Computer - I</p> <p>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 ever-growing 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.</p> <p><i>Credits: (2 / 2 / 0) 3</i> <i>Prerequisites: None</i> <i>ECTS: 2</i> <i>Abbreviated Title: Introduction to Computer</i> <i>Course Category: University Core</i> <i>Teaching Language: English</i> <i>Keywords: Computer, program</i> <i>Department offering the course: Department of Technology of Computer and Informatic Systems</i></p>
5.	<p>HLTS 141 Anatomy</p> <p>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.</p> <p><i>Credits: (3 / 3 / 0) 4</i> <i>Prerequisites: None</i> <i>ECTS: 6</i> <i>Abbreviated Title: Anatomy</i> <i>Course Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Human body, Organs</i> <i>Department offering the course: Physiotherapy and Rehabilitation</i></p>
6.	<p>HLTS142 Pathology</p> <p>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.</p> <p><i>Credits: (2 / 0 / 0) 2</i> <i>Prerequisites: None</i> <i>ECTS: 3</i> <i>Abbreviated Title: Pathology</i> <i>Course Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Inflammation, Mechanism of Diseases</i> <i>Department offering the course: Physiotherapy and Rehabilitation</i></p>

7.	<p>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.</p> <p><i>Credits: (3 / 0 / 0) 3</i> <i>Prerequisites: None</i> <i>ECTS: 6</i> <i>Abbreviated Title: Physiology</i> <i>Course Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Homeostasis, Body systems</i> <i>Department offering the course: Physiotherapy and Rehabilitation</i></p>
8.	<p>HLTS144 Clinical Microbiology 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, vaccination, vaccines, immune serums.</p> <p><i>Credits: (2 / 2 / 0) 3</i> <i>Prerequisites: None</i> <i>ECTS: 6</i> <i>Abbreviated Title: Microbiology</i> <i>Course Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Microorganism, Parasit</i> <i>Department offering the course: Physiotherapy and Rehabilitation</i></p>
9.	<p>HLTS145 Histology Introduction to cell structure and the cell membrane, the cytoplasmic organelles, histology of epithelial tissue, connective and supportive tissues, cartilage, bone, muscle tissue, blood, nervous tissue.</p> <p><i>Credits: (2 / 0 / 0) 2</i> <i>Prerequisites: None</i> <i>ECTS: 5</i> <i>Abbreviated Title: Histology</i> <i>Course Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Cell, Tissue</i> <i>Department offering the course: Physiotherapy and Rehabilitation</i></p>
10.	<p>HLTS146 Pharmacology for Nursing 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.</p> <p><i>Credits: (3 / 0 / 0) 3</i> <i>Prerequisites: None</i> <i>ECTS: 7</i> <i>Abbreviated Title: Pharmacology for Nursing</i> <i>Course Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Drugs, Addiction</i> <i>Department offering the course: Physiotherapy and Rehabilitation</i></p>
11.	<p>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.</p> <p><i>Credits: (3 / 0 / 0) 3</i> <i>Prerequisites: None</i> <i>ECTS: 5</i> <i>Abbreviated Title: General Psychology</i> <i>Course Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Psychology, Human Behavior, Cognitive Processes, Learning</i> <i>Department offering the course: Psychology</i></p>
12.	<p>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.).</p> <p><i>Credits: (2 / 0 / 0) 2</i> <i>Prerequisites: None</i> <i>ECTS: 2</i> <i>Abbreviated Title: Introduction to Nutrition</i> <i>Course Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Nutrition, Food</i> <i>Department offering the course: Nutrition and Dietetics</i></p>
13.	<p>BIOL222 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.</p> <p><i>Credits: (2 / 0 / 0) 2</i> <i>Prerequisites: None</i> <i>ECTS: 3</i> <i>Abbreviated Title: Biochemistry</i> <i>Course Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Biochemical Process, Molecular Genetics</i> <i>Department offering the course: Biological Sciences</i></p>

14.	<p>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</p> <p><i>Credits: (2 / 0 / 0) 2</i> <i>Prerequisites: None</i> <i>ECTS: 4</i> <i>Abbreviated Title: Biostatistics</i> <i>Course Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Sampling, Statistical Analyses, Hypothesis Testing</i> <i>Department offering the course: Mathematics</i></p>
15.	<p>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.</p> <p><i>Credits: (3 / 0 / 0) 3</i> <i>Prerequisites: None</i> <i>ECTS: 5</i> <i>Abbreviated Title: Basic Math</i> <i>Course Category: Area Core</i> <i>Teaching Language: English</i> <i>Keywords: Arithmetic, Ratio And Proportion, Metric System</i> <i>Department offering the course: Mathematics</i></p>