



NEAR EAST UNIVERSITY

NEAR EAST UNIVERSITY

FACULTY OF DENTISTRY

Conventional Program Course Catalogue

CONTENTS

General Information about the Faculty of Medicine

Official length of Programme

Mode of study

Profile of the Programme and Method of Education

Qualification Awarded

Level of Qualification

Access requirement(s)

Qualification Requirements

Converting US College Credit

**Hours 5 (Semester credit hours-
SCH) to ECTS**

Arrangements for transfer from another

Dentistry faculty (Recognition of Prior Learning)

Examination Regulations, Assessment and Grading

Grading Scheme and Grades

Occupational Profiles of Graduates

Programme Director

Key learning outcomes

Courses list with Near East University credits and ECTS

Course objectives and contents

Year 1

Year 2

Year 3

Year 4

Sample copy of diploma supplement

Have the great privilege of greeting you as Dean of Near East University Faculty of Dentistry.

The printed version of this Dental Faculty Handbook contains information about Faculty regulations as well as full course descriptions, credit and grading system and general requirements for progression and graduation.

I hope that you can find all the necessary information from this booklet. We extend a warm welcome to all future students, patients and visitors and invite you to learn about the Near East University Faculty of Dentistry.

Prof. Dr. M. Mutahhar ULUSOY

DEAN

DENTISTRY PROGRAMME

GENERAL INFORMATION ABOUT DENTISTRY EDUCATION

Near East University faculty of dentistry hospital is the first dentistry faculty hospital of Cyprus which has opened on 1st October 2007. The Faculty of Dentistry is envisioned to be recognized as a Center of Excellence in Dental Education and eventually to be known in the international dental community for its world-class, globally competitive graduates. Thus, envisioning the faculty as a destination of choice for all aspiring undergraduate and graduate students; our goal is to enhance technical skills of the future dentists in excellent patient care and to instill proper attitudes with a strong commitment to the ideals of the dental profession.

Official length of Programme: Doctor of Dental Surgery (DDS) degree is a five-year programme in the Near East University Faculty of Dentistry. 1 year consists of 32 weeks.

Mode of study: Full time

Profile of the Programme and Method of Education: The training given to dental practitioners equips them with the skills needed for prevention, diagnosis and treatment relating to anomalies and illnesses of the teeth, mouth, jaws and associated tissues. On graduation the dentist should have had a broad academic dental education and be able to function in all areas of clinical dentistry, be trained in biomedical science, be able to work together with other dental and health care professionals in the health care system, have good communicative skills, be prepared to undertake continuing professional development supporting the concept of life-long learning, be able to practice evidence-based dentistry based through a problem solving approach, using basic theoretical and practical skills. On graduation the dentist should have a critical thinking; they may apply in differing ways to patients of all ages, including children, adolescents, adults and the elderly within a given population.

Dental education programme would consist of 5 years of full-time education, with appropriate ECTS credits, leading to a dental Master's degree. The new graduate is required to safely undertake the independent practice of dentistry. Following the Bologna recommendations, the dental curriculum organized in a modular form.

A module is defined as a learning unit, independent from discipline or departmental structure. It is based on well-defined learning outcomes, essential to the curriculum as a whole and drawn from the curricular competences, with clear articulation of study paths, learning materials, contact hours (e.g., lectures, seminars, working groups) and assessment procedures. It should be clear to the student how, on completion of the module, the experience should be used in further areas of the curriculum. Each module's description should include: a title, ECTS value and learning outcomes; a brief description of the syllabus; methods of teaching and learning; methods of assessment.

Qualification Awarded

Doctor of Dental Surgery (DDS)

Level of Qualification

Single Cycle Degree / Combined Bachelor and Master – 300

Access Requirements

High School Diploma, Admission of Turkish nationalities to higher education is based on a nation-wide Student Selection Examination (ÖSS) administered by the Higher Education Council of Turkey (YÖK). Admission of Turkish Republic of Northern Cyprus nationals is based on the Near East University Entrance and Placement Exam for Turkish Cypriots. Admission of foreign students is based on their high school credentials. Proof of English language proficiency is also required.

Qualification Requirements

212 Near East University Credits (Near East University Credit is contact hour based) which is total 300 ECTS credits must be completed after being successful in the courses to become a graduate of the dentistry faculty. ECTS is a credit system designed to make it easier for students to move between different countries. Since they are based on the learning achievements and workload of a course, a student can transfer their ECTS credits from one university to another so they are added up to contribute to an individual's degree programme or training. ECTS helps to make learning more student-centered. It is a central tool in the Bologna Process, which aims to make national systems more compatible. ECTS also helps with the planning, delivery and evaluation of study programmes, and makes them more transparent (http://ec.europa.eu/education/ects/ects_en.htm)

Converting US College Credit Hours (semester credit hours-SCH) to ECTS

ECTS is the most commonly used credit system in Europe. The major difference between the European Credit System ECTS and the US College Credit system is that the first is based on student workload and the second on contact hours. The ECTS is oriented towards the time required for a student to meet the intended study outcomes, while the U.S. system is more oriented towards the time a faculty member needs to teach. Here is an example of conversion of credits from ECTS to Semester Credit Hours for a college or university in the U.S.: 1.67 ECTS=1.00 US College Credit Hours Conversion standards may vary between higher education institutions in the U.S. (<http://www.mastersportal.eu/articles/1110/what-you-need-to-know-about-academic-credit-systems-in-the-us.html>)

A student is required to have minimum pass grade from each course and obtain minimum 2.00/4.00 cumulative Grade point Average (cumulative GPA). The students who have successfully completed the programme should be able to be science-based, skilled, competent and compassionate **clinicians** prepared to meet the challenges of practicing dentistry in the 21st century, and **researchers** who are prepared to conduct cutting-edge biomedical research focused on bettering the human condition and advancing the fundamental understanding of medical science.

Arrangements for transfer from another dentistry faculty (Recognition of Prior Learning)

A student wishing a transfer from another university: the student must prove her/his English Proficiency if s/he wishes to attend the English Section. At the time of OSS examination, the candidate's entrance score must not be less

than the lowest score for admission to the Near East dentistry Faculty. The transcript and course content of the applicant is examined by the dentistry faculty and the student is then accepted to the appropriate year of the programme.

For further details please contact:

International Student Office, Faculty of Communication, 2nd Floor Near East Boulevard, P.O. Box 92202, Nicosia, TRNC via Mersin 10-Turkey. +90 (392) 680 20 00 (Ext: 295/143/163/424), Fax: +90 (392) 680 20 40/43, E-mail: info@neu.edu.tr

Examination Regulations, Assessment and Grading

There are 7 types of examinations at Near East University; mid-term exams, final exams, internship exams, re-sit exams, make-up exams, exemption exams and failed exams from previous terms. These exams can be written, oral or both written and oral and/or practical. The time and place of the exams are determined by the Dean of the Faculty and announced at least one week before the exams. On the exam day, students must be at the exam place on time with their ID cards and other required documents. When the Board of Director's deem it to be necessary, exams can be held at the weekends provided it is not a national or religious holiday. During the evaluation, if it is decided that a student has cheated, s/he will be considered to have failed the exam and upon the application of the related lecturer to the Dean of the Faculty, the University will take action against them in accordance with the "Higher Education Institutions Student Disciplinary Regulations". Exam results and certificates are submitted to the registration office of the faculty within 15 days starting from the date of the exam. The exam papers are archived for 2 years at the faculty.

Mid-term Exam: The number, scope, form and evaluation features of the mid-term exams are specified upon the decision of the Faculty Committee considering that at least one mid-term exam will be held during the term. Homework, projects and similar subjects given within the framework of a course can be counted as a mid-term exam. The students cannot sit more than two mid-term exams during an exam day. Those who do not attend a mid-term exam will be considered to have failed the exam.

Final Exam: The final exam of a course is held at the time and place determined by the Faculty Committee. In order to take the final exams, the student should;

- (a) Renew their registration
- (b) Continue with at least 70% of their theoretical courses
- (c) Attend at least 80% of their practical courses
- (d) Succeed in their practical courses

The final exams of term based "basic medicine" and "clinical" courses are held at the end of each term. With regards to the final exams of the clinical courses (Oral and Maxillofacial Surgery, Oral and Maxillofacial Radiology, Endodontics, Orthodontics, Pedodontics, Periodontology, Prosthetic Dentistry, Restorative Dentistry), practical exams form the basis for the theoretical exam. 40% of the mid-term exam average and 60% of the final exam average are considered as the success rate of the final exam and this result shows the academic success of the student.

Internship Exam: The related department holds a theoretical and/or practical exam within the framework of determined principles. The theoretical exam can be both written and/or oral.

Re-sit Exam: Re-sit exams are held at least 15 days after the completion of the final exams. Re-sit exams are held following the completion of all courses and internships within the specific term in accordance with the criteria set by the Department. Students who fail their exam or want to increase their grades can take the re-sit exam. The re-sit exam is held both theoretically and/or practically. The theoretical re-sit exam can be written and/or oral. Re-sit exams can be counted as the final exam held at the end of the term. 40% of the mid-term exam average and 60% of the re-sit exams are considered as the final exam success rate. Students who fail the re-sit exam must register to take the failed courses in the following term. Last year students who fail the re-sit exam repeat their internships. The students cannot take more than one internship within the same period of time. Students whose cumulative grade point average is below 2.00 and who attended classes regularly can take re-sit exams in order to increase their grades.

Make-up Exam: Excuses can be considered for mid-term exams and final exams. In order to be excused, the student should submit a document proving their reasons and the Faculty Committee should approve them. If students have the chance to take the mid-term exam but could not take it, they are deemed to be excused. The students will then have another chance to take the exam on the date, place and time specified by the Faculty Dean. Re-sit exams cannot be held twice. Students who have a report from the Near East University Hospital, the TRNC and Turkish Republic National and University Hospitals in accordance with the Medico social Central Health Services and Aid Implementation Principles and Norms, can submit their approved report to the Faculty Dean within 10 working days commencing from the expiration of the report. Within that period of time, the student is deemed to be excused and does not have to take exams during his/her excused days. The student can however take make-up exams following the expiration date of the report. Medical reports do not affect the attendance of the students.

Foreign Language Exemption Exam: The Faculty does not have a compulsory preparatory year but for the newly registered students, the Dean of the Faculty will organize a foreign language exemption exam at the beginning of the term. The principle of this exemption exam is arranged according to "the Near East University Education-Training Regulation".

Failed Exams from Previous Terms: When last year students who attended the classes regularly but failed only one course apply with a petition, they will have the chance to take an exam for that single course before the following term commences.

Non-prerequisite Courses: Medical Biology and Genetics, Behavioral Science, Computer, Physics, Biophysics, Physiology, Histology, Basic Life Support are non-prerequisite courses. Non-prerequisite courses must be completed on the condition that students are successful in the exams before taking their 4th year clinical studies. If students fail these courses, they cannot proceed to the 4th year.

Prerequisite Courses (MUST PASS IN ORDER TO PROCEED): 1st Year Anatomy Course 2nd Year Anatomy Course,

2nd Year Anatomy Course, 4th Year Topographical Anatomy Course, 1st Year Chemistry and Biochemistry, 4th Year Dental Biochemistry, 2nd Year Microbiology, 4th Year Oral Microbiology, 3rd Year Pathology, 4th Year Oral Pathology, 1st Year Dental Morphology & Manipulation, 2nd Year Prosthetic Dentistry, 2nd Year Prosthetic Dentistry, 3rd Year Prosthetic Dentistry, 2nd Year Restorative Dentistry, 3rd Year Restorative Dentistry.

The students must pass 3rd year Oral and Maxillofacial Surgery, Oral and Maxillofacial Radiology, Dental Anesthesia, Endodontics, Orthodontics, Pedodontics, Periodontology, Prosthetic Dentistry, Restorative Dentistry, History of Dentistry, Pharmacology and Pathology in order to proceed with the 4th year courses.

The students must pass Oral and Maxillofacial Surgery, Oral and Maxillofacial Radiology, Dental Anesthesia, Endodontics, Orthodontics, Pedodontics, Periodontology, Prosthetic Dentistry, Restorative Dentistry, Social Mouth and Dental Health, Dental Biochemistry, Oral Microbiology, Topographical Anatomy, Oral Pathology, Biostatistics in order to proceed with the 5th year courses.

Grading Scheme and Grades

PERCENTAGE	COURSE GRADE	GRADE POINTS	
90-100	AA	4,00	(Excellent)
85-89	BA	3,50	(Excellent)
80-84	BB	3,00	(Very Good)
70-79	CB	2,50	(Very Good)
60-69	CC	2,00	(Good)
55-59	DC	1,50	(Average)
50-54	DD	1,00	(Average)
40-49	FD	0,50	(Failed)
0-39	FF	0,00	(Failed)

Occupational Profiles of Graduates

The graduates of Faculty of dentistry, the dentists (Doctor of dental surgeon) may work at hospitals and private offices as general practitioners or they may apply for a residency program to become specialist in a related area according to the rules of the related country.

Programme Director

Prof. Dr. Mutahhar ULUSOY, Dean
Tel: +90 (392) 444 0 NEU / 2677
E-mail: info@neu.edu.tr

LEARNING OUTCOMES

The student who successfully completes the programme should be able to

1- Professionalism

Professional attitude and behavior

On graduation, a dentist must be competent in a wide range of skills, including investigative, analytical, problem solving, planning, communication, and presentation skills and should demonstrate a contemporary knowledge and understanding of the broader issues of dental practice. The dentist should understand the relevance of these issues, including research, team building and leadership skills in clinical dental practice.

Ethics and jurisprudence

On graduation a dentist must display knowledge of the content and have a thorough understanding of the moral and ethical responsibilities involved in the provision of care to patients, to populations and communities. The dentist must demonstrate knowledge on contemporary laws applicable to the practice of dentistry.

2- Interpersonal, Communication, and Social Skills

Communication

On graduation a dentist must be competent to communicate effectively, interactively and reflectively with patients, their families, relatives and caregivers and with other health professionals involved in their care, irrespective of age, social and cultural background.

3- Knowledge Base, Information, and Information Literacy

Application of basic biological, medical, technical and clinical sciences

On graduation a dentist must be competent to apply knowledge and understanding of the basic biological, medical, technical and clinical sciences to recognize the difference between normal and pathological conditions/disorders relevant to clinical dental practice and understand the bases of these.

Acquiring and using information

On graduation, the dentist must be competent at demonstrating appropriate information literacy to acquire and use information from library and other databases and display the ability to use this information in a critical, scientific and effective manner. A dentist should demonstrate an ability to maintain their professional knowledge and understanding throughout their professional life.

4- Clinical Information Gathering

Obtaining and recording a complete history of the patient's medical, oral and dental state

On graduation, a dentist must be competent at obtaining and recording a complete history of the patient's medical, oral and dental state. This will include biological, medical, psychological and social information to evaluate the oral and dental condition in patients. In addition, the dentist will be competent at performing an appropriate physical examination; interpreting the findings and organizing further investigations when necessary to arrive at an appropriate diagnosis.

5- Diagnosis and Treatment Planning

Decision-making, clinical reasoning and judgement

On graduation, a dentist must be competent in decision-making, clinical reasoning and judgement to develop a differential, provisional or definitive diagnosis by interpreting and correlating findings from the history, clinical and radiographic examination and other diagnostic tests, taking into account the social and cultural background of the patient. A dentist must be competent at formulating and recording a diagnosis and treatment plan which meets the needs and demands of patients. For treatments that are beyond their skills, a dentist should be competent to be able to refer on for an appropriate specialist opinion and/or treatment.

6- Therapy: Establishing and Maintaining Oral Health

On graduation, the dentist must be competent at:

- Educating patients and managing primary oral health care for patients at all stages in their life (including children, adolescents, adults and the ageing population/ elderly) appropriately, effectively and safely, emphasizing current concepts of prevention, risk assessment and treatment of oral disease which supports the maintenance of systemic and oral health and improves the quality of life for the individual.
- Treating patients whose special needs, desires and requirements (e.g., children) may influence their dental care and know when to refer.
- Employing appropriate techniques to manage Oro-facial pain, including TMJ disorders, discomfort and psychological distress.
- Managing periodontal disease.
- Managing caries and other hard tissue tooth loss.
- Managing pulpal and peri-radicular disease and disorders.
- Restoring defective, non-defective and/or missing teeth to acceptable form, function and aesthetics.
- Planning and performing all common prosthetic procedures, including tooth preparation and impression taking.
- Understanding and applying the biomechanical principles of fixed and removable prostheses commonly used to replace missing teeth.
- Treating and managing conditions requiring minor surgical procedures of the hard and soft tissues, and to apply and/or prescribe appropriate pharmaceutical agents to support treatment.
- Managing common oral mucosal diseases and disorders.

- Managing minor developmental or acquired dentoalveolar, growth-related and functional abnormalities of the primary, mixed and permanent dentition.
- Preventing and managing the majority of medical and dental emergency situations encountered in clinical dental practice.

7- Prevention and Health Promotion

Courses list with Near East University credits and ECTS

Please see the attached example of the diploma supplement which is given to all graduates of our university free of charge. It is arranged in English.

The diploma supplement is a document the purpose of which is to provide sufficient independent data to improve the international “transparence” and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc.). It is designed to provide a description of the nature, level, context, content and the status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgments, equivalence statements or suggestions about recognition.

COURSE OBJECTIVES AND CONTENTS:

YEAR 1

DENTAL MORPHOLOGY AND MANIPULATION (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHMMM115)

SUBJECT CONTENT: *Oral cavity and morphological terms, Introduction to teeth, morphological terms, System of dental numbering, FDI dental numbering system, Morphology of maxillary central, Morphology of maxillary lateral, Morphology of maxillary canine, Morphology of maxillary second premolar, Morphology of maxillary first molar, Morphology of second premolar, Morphology of third molar, Morphology of mandibular central and lateral, Morphology of mandibular canine, Morphology of mandibular first premolar, Morphology of mandibular second premolar, Morphology of mandibular first molar, Morphology of mandibular second molar, Morphology of mandibular third molar, Assessment of teeth morphologically in the same and opposite dental arch, Definition of gypsum, kinds and uses of gypsum, Definition of wax, kinds of waxes, Wireworks, types of materials that can be used for wireworks, bending techniques, Definition and types of acrylic, Introduction and short history of prosthesis, Construction of dental models (for preparing prosthesis), Classification of partial edentulous dental arches, Occlusal rims, denture bases and mounting casts on occlusor in partial dentures, Occlusal rims, denture bases and mounting casts on occlusor in total dentures, Definition of casting, sprue forming and properties of casting pathways, preparation of investment and cast metal alloy, Finishing and glazing procedures of cast metal restorations.*

BEHAVIORAL SCIENCES (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHDB109)

SUBJECT CONTENT: *Introduction to Behavioral Sciences, Cultural Anthropology, Ethnicity / Kinship, Religion / Rituals, The Social individual, Cognition / Social Behavior, Interpersonal / Group Interactions, The Science of Psychology, Biological Foundations of Behavior, Developmental Psychology, Theories of Personality, Learning / Behavior, Ethical issues.*

ATATÜRK PRINCIPLES AND HISTORY OF TURKISH REVOLUTION (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHAİT103 / AIT100 / AIT200)

SUBJECT CONTENT: *To criticize the reasons of the Ottoman collapse, Balkan Wars, WWI, dynamics of the National Struggle. To get students to explain well the concepts like revolution and reform. Additionally, to summarize political developments in completed phase of Turkish Revolution and establishment process of new state, Ataturk Revolutions in the political and social fields.*

PHYSICS (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHFİZ110 / FIZ100 / PHY100)

SUBJECT CONTENT: *Measurement, vectors, kinematics, dynamics-newton's laws, applications of newton's laws, work and energy, conservation of energy, conservation of linear momentum, collisions, electric charge and electric field, gauss's law, electric potential and electric potential energy, capacitance and dielectrics, electric currents and resistance, direct current circuits and instruments, magnetism. hormones control of metabolism in living organism. classification of*

hormones and general properties, metabolism of hormones and metabolic disorders.

MEDICAL BIOLOGY AND GENETICS (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHTBG112)

SUBJECT CONTENT: *Morphological and structural properties of the cell, cell-cell communication and multicell organisms, reproduction in organisms, genetic material, structure and gene control, mutations, heredity and hereditary patterns, human genetics, reproduction in humans, hereditary diseases, cross-over of hereditary diseases and dentistry/dental problems, molecular genetics and genetics methods and applications.*

COMPUTER (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHCOM108 / BİL100 / COM100)

SUBJECT CONTENT: *Word: Toolbars identification, word-screen identification of the file open and save feature defining the word, writing documents. PowerPoint: File opening, recording new slides, adding slides, slideshow adjustment, toolbars identification, slide transitions between regulation, slides animation and adding pictures, adding music and video. Excel: add data, data removal, open the excel file, the identification of the toolbar, add formulas in excel, make calculations by pillars in formulating on the excel spreadsheet to create graphs and tables.*

ORGANIC CHEMISTRY AND BIOCHEMISTRY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHOKB113)

SUBJECT CONTENT: *Biochemistry course contents, Structure of atoms and concept of molecule, General structure. Structure of C, H, O, S, N the other atoms, Hybridization, Chemical bonds, Descriptions, ionic, covalent and hydrogen bonds, Biological importance of hydrogen bonds, Organic reactions, Hydrocarbons, General description, rules of nomenclature, alkanes, alkenes, alkynes, Organic acids and derivatives, Isomerization of organic compounds, Aromatic hydrocarbons, Functional groups, Definition, alcohols, phenols, aldehydes, ketones, ethers, esters, Organic acids and derivatives, Organic Sulphur compounds, Organic nitrogen compounds, Cancerogenic organic compounds, Organic compounds in live Vitamins, Description, classification, general properties, Water-soluble vitamins, Fat-soluble vitamins, Enzymes, Structure and classification, Enzyme kinetics, Description of coenzymes and classification, Enzymes in diagnosis and treatment, Bioenergetics, Carbohydrates, Description, classification, general properties, Carbohydrate metabolism and metabolic disorders, Alcohol metabolism and injuries, Lipids, Description, classification, general properties, Fatty acids metabolism and metabolic disorders, Cholesterol metabolism and metabolic disorders, Amino acids, Structure, classification, general properties, Proteins, Structure, classification, general properties, Protein and amino acid metabolism, Nucleic acids, DNA structure and properties, RNA structure, classification, functions, Protein bio-synthesis, Immunoglobulins, Water metabolism, Distribution of water in organism and metabolic importance, Water metabolism disorders, Mineral metabolism, Acid-alkali balance in human, Sodium, potassium, Chlorine, magnesium, fermium, calcium, Phosphorus, zinc, and trace-elements.*

TURKISH LANGUAGE (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHTDE105 / TUR100 / YİT100)

SUBJECT CONTENT: *Within the course of the language definition, characteristics, language-nation -language- thought and language- culture relationship, earth language, Turkish language among these languages place and historical development of the Turkish language audio features, audio highlights, spelling rules and practice, punctuation and application, world languages, languages of Turkish language and its place among families and property. Of the Turkish language to date historical development and the Turks Alphabets used, current texts accompanied nowadays Turkish*

issues, current text accompanied by "de", " the " and "of" writing, compiled texts accompanied by Turkish spelling of words related problems (compound words, vowels and consonants compliance), spelling rules. Some additional and prepositions spelling. Specific names, numbers, quotes writing of words. Where the use of uppercase and lowercase letters, spelling rules. Punctuation marks, punctuation importance for a language. Sample sentences on the implementation of these signs, spelling and punctuation rules related applications, Speech disorders, language mistakes related applications.

BIYOPHYSICS (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHB108)

SUBJECT CONTENT: *What is biophysics? Basic functions of biophysics, molecular structure of living system matter, pure substances and mixtures, internal structure of the atom, compounds and molecules, atoms and molecules types, radioactivity types, radioactive decay, molecular biophysics, membrane structure, membrane organization, macromolecules, ion channels, the transport of substances in the cell membrane, diffusion, osmosis, active transport, nerve and muscle, membrane potentials and action potentials, contraction of skeletal muscle, excitation of skeletal muscle, stimulation and contraction of smooth muscle, nervous system, resting membrane, potential electrical activity during stimulation of neuron, electrical activity during inhibition of neuron, electrical equivalent circuit model heart muscle: the heart as a pump, the heart valves, rhythmic stimulation of the heart electrocardiogram (ECG), biophysics of circulatory system, circulatory system: medical physics of pressure, flow and resistance ability to tension, cardiac output, biophysics of respiratory system, mechanics of lung ventilation, pulmonary circulation dynamics, physical principles of gas exchange, physics of gas diffusion and gas partial pressure, respiratory membrane, diffusion of gases, radiation types, radiation terms, radiation units, radiation sources, radiation and environmental interactions, biological effects of radiation, acute and chronic radiation, doses, radiation protection.*

FOREIGN LANGUAGE (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: İNG100 / ENG100)

SUBJECT CONTENT: *The course aims to introduce students to an awareness of the basics of the English language in general. The objective of the course is to help students to achieve adequate mastery of the English language and to emphasize the development and improvement of written and oral communication abilities.*

ANATOMY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHANA111)

SUBJECT CONTENT: *Introduction to Anatomy, General Information- Bones, Joints, Muscles ,Upper Limbs ,Lower Limbs, Neurocranium, Viscerocranium, The Skull, The Superficial Structures of the Face, The Temporomandibular Joint, The Temporal Region, The Parotid Region ,The Infratemporal Fossa, The Pterygopalatine Fossa, The Anterior and Lateral Aspect of the Neck ,The Root of the Neck, The Suboccipital Region, The Thoracic Wall, The Heart and Pericardium, The Diaphragm, The Nose -Paranasal Sinuses, The Larynx, The Trachea, The Lungs and Pleura, The Mediastinum ,The Oral Cavity, The Muscles of Mastication.*

YEAR 2

DENTAL MATERIALS (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHMAD217)

SUBJECT CONTENT: *Introduction to Dental Materials, Dental Cements, Glass Ionomer Cements, Resin Modified Glass Ionomer Cements, Compomers, Preventive Materials, Fluoridated Gels, Pit and Fissure Sealants, Temporary Restorative Materials, Permanent Restorative Materials, Cavity Varnishes, Cavity Liners, Dental Amalgams , Resin Composites, Enamel and Dentin Adhesives, Hydrocolloid Impression Materials, Gypsum, Impression Compound, Zinc Oxide Eugenol Impression Material, Elastomeric Impression Materials, Luting Cements, Dental Waxes, Acrylic Base Materials, Dental Ceramics (I), Dental Ceramics(II), Metal and Metal Alloys(I), Metal and Metal Alloys(II), Casting Materials, Dental Investment Materials.*

PHYSIOLOGY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHFZY216)

SUBJECT CONTENT: *Introduction to Physiology, Organization of the Cell, Functional Systems of the Cell, Integration of Cell and Organ Systems, Membrane Physiology, Transport of Substance through Cell Membranes, Membrane Receptors, Second Messengers, Resting Membrane Potentials, Action Potentials, Roles of Ions During Action Potential, Excitable tissues, Neurons, Communication of the Neurons, Transmission of Impulses from Nerve Endings to Skeletal muscle Fibers, Neuromuscular Junction, Muscle Physiology-Skeletal Muscle, General Mechanism of Muscle Contraction, Physiology and Contraction of Smooth Muscle, Physiology and Contraction of Cardiac Muscle, Heart and Circulatory System, Specialized Excitatory and Conductive System of the Heart, Control of excitation and Conduction in the Heart, Electrocardiogram, Physical Characteristics of the Circulation, Basic Principles of Circulatory Function, Functions of the Arterial and Venous Systems, Local and Humoral Control of Tissue Blood Flow, Blood cells, Immunity, Hemostasis and Blood Coagulation, Blood Types, Physiologic Anatomy of the Pulmonary Circulatory System, Respiration, Physical Principles of Gas Exchange, Regulation of Respiration, General Principles of Gastrointestinal Function, Ingestion of Food, Secretory Functions of Alimentary Tract, Digestion, Absorption in the Gastrointestinal Tract, Body Fluids and Kidneys, Ultrafiltration and Urine Formation, Tubular Balance, Regulation of Sodium, Water and Glucose, Organization of Nervous System, Autonomic Nervous System, Sensory Receptors, Physiology of Pain, Motor and Integrative Neurophysiology, Central Nervous System, Special Senses-Vision, Special Senses-Hearing, Special Senses- Chemical senses, Introduction to Endocrinology, Pituitary Hormones, Thyroid Hormones, Adrenocortical Hormones, Endocrine Pancreas, Calcium Metabolism, Metabolism and Temperature Regulation.*

HISTOLOGY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHHIS214)

SUBJECT CONTENT: *Cell muscle tissue, epithelial connective tissue, cartilage, bone tissue histological techniques, neural tissue preferred nervous system and sensory organs, blood tissue preferred circulatory system, respiratory system, the immune system, digestive system, endocrine system, general embryology.*

PROSTHODONTICS (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHPRO215)

SUBJECT CONTENT: *Classification of partially edentulous dental arches, Introduction to structural components of conventional partial prosthesis, Types and principles of retainers used for conventional partial prosthesis, Types, principles and uses of surveyor, Wrought-wire clasps and their construction techniques in conventional partial dentures,*

Principles of arranging teeth in conventional partial dentures, Waxing, investing and finishing procedures, Principles of repairs in removable partial dentures (Repairs of denture bases and teeth additions), relining and rebasing, Introducing types of crowns and their indications (Veneer crowns, partial crowns), Fundamentals of tooth preparation, Techniques for die construction, Mounting casts on a occlusor, General principles of full acrylic crowns, General principles of full crowns, cast metal full crowns, General principles of inlays and onlays, Introducing bridge kinds in fixed restorations, Indications of bridge restorations, Enamel, dentin and pulp reactions in tooth preparation, Temporary crowns and bridges, Assessment of anatomical structures in maxilla for the purpose of total denture, Assessment of anatomical structures in mandibula for the purpose of total denture, Enhanced polymerization methods in total dentures.

RESTORATIVE DENTISTRY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHTDV210)

SUBJECT CONTENT: *Introduction to Restorative Dentistry, Histology of Enamel, Histology of Dentin, Histology of Cement, The principles of Cavity Preparation, Class I Cavity Preparations, MO/DO Cavity Preparations, MOD Cavity Preparations, Black Class V Cavity Preparations, Theories of Dental Caries, Etiology of Dental Caries and Dental plaque, Dental Instruments used in Restorative Dentistry, Dental Caries Morphology, Understanding Dental Caries: Basic and Clinical Aspects, Diagnosis of Dental Caries, Complications of Dental Caries, Chemistry of Dental Caries, Functions of Saliva and its role in Dental Plaque and Caries formation.*

BASIC LIFE SUPPORT (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHTYD219)

SUBJECT CONTENT: *Described by the U.S. Department of Anesthesiology and Reanimation course topics: Adult Basic Life Support, Pediatric Basic Life Support, Model practices on.*

MICROBIOLOGY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHMICE213)

SUBJECT CONTENT: *General Microbiology - Medical Microbiology, Microbial classification, nomenclature, sterilization, disinfection, antisepsis and Applications, host- microorganism relationships and flora, antibiotics, bacteriology, bacterial structure, bacterial cell wall, bacterial metabolism and reproduction, bacterial genetics, Dentistry important bacteria, Virology, virus classification, Structure, Replication, Viral diagnosis, Antivirals, Dentistry important viruses, Mycology, fungal classification, Structure, Growth, Dentistry important fungi, Parasitology, parasite classification, Structure, Growth, major parasite species, Immunology, Naturally-Acquired Immunity, antigens -microbial antigens, antigen Processing and Presentation, complement system, cytokines, antimicrobial immune response, Active and Passive immunization / Vaccines and Serums, from a professional standpoint that pose a risk of infection, HIV, HBV, HCV, tuberculosis, Legionnaires' disease.*

FOREIGN LANGUAGE (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: ING200 / ENG200)

SUBJECT CONTENT: *The course builds on further improving the reading, writing, listening and speaking skills that students developed in ENG 100 / ING100.*

ANATOMY II (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHANA207)

SUBJECT CONTENT: *The Pharynx The Anterior Abdominal, Wall The Peritoneum, The Greater and Lesser Omentum, the*

liver and bile ducts the pancreas the spleen The Vessels and the Nerves of Alimentary Tract The Portal System The Posterior Abdominal Wall The Kidneys and Ureters The Urinary Bladder and Urethra The Pelvis and Perineum The Male Genital Organs The Female Genital Organs Introduction to Central Nervous System The Spinal Cord Medulla oblongata Pons Mesencephalon Cranial Nerves Cerebellum Diencephalon Autonomic Nerves System Morphology of the Brain Hemispheres The Motor and Sensory Region of the Brain Hemispheres Dural Sinuses and Meninges The Brain Ventriculus and CSF Rhinencephalon and Limbic System The Vessels of the CNS The Afferent Pathways of the CNS The Efferent Pathways of the CNS The Orbit and its contents The Eyeball and Visual Pathways The Ear and Auditory Pathways The Pituitary Gland (Hypophysis)The Thyroid Gland The Parathyroid Gland The Suprarenal Gland The Thymus.

YEAR 3

RESTORATIVE DENTISTRY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHTDV310)

SUBJECT CONTENT: *Clinical Application Methods of Temporary Fillings, Clinical Application Techniques of Permanent Dental Restorative Materials, Clinical Application Techniques of Cavity Varnishes, Clinical Application Techniques of Cavity Liners, Clinical Application Techniques of Amalgams, Adhesion, Clinical Application Techniques of Adhesive Resins, Clinical Application Techniques of posterior resin composites, Clinical Application Procedures of Conventional Glass Ionomer Cements, Clinical Application Procedures of Compomer Restorations, Finishing and Polishing Techniques of Dental Amalgam Restorations, Finishing and Polishing Techniques of Resin Composite Restorations.*

ORTHODONTICS (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHORT307)

SUBJECT CONTENT: *What is orthodontics? What is the correlation between orthodontics and growth-development, Cephalometry and cephalometric analysis in orthodontic treatment, Orthodontic Anomalies, The effective factors on arising of malocclusions, Congenital anomalies Cleft-lip palate and craniofacial anomalies, The concept of normal in orthodontics, functional anatomy, Embryology, Sites and types of growth in the craniofacial complex, Terminology and basic principles of growth and development and Functional Matrix theory, Growth of cranial vault and cranial base, Growth and development, Prenatal and postnatal growth of mandible, Prenatal and postnatal growth of maxilla, Development of the deciduous and permanent dentition, Transition from the primary to the permanent dentition, Orthodontic diagnosis (in dental casts), Orthodontic tooth movement and histology of tooth movement, Skeletal anomalies (sagittal direction), Evaluation of respiratory dysfunctions, Hand & wrist, periapical x-, rays, occlusal x-rays and pictures, Orthodontic diagnosis and medical history, Orthodontic evaluation of the stomatognathic system, Hormones and habits.*

PERIODONTOLOGY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHPER312)

SUBJECT CONTENT: *The Historical Background of Periodontology, The Gingiva, The Tooth-Supporting Structures, Aging and the Periodontium, Classification of Diseases and Conditions Affecting the Periodontium, Epidemiology of Gingival and Periodontal Diseases, Microbiology of Periodontal Diseases, The Role of Dental Calculus and Other Predisposing Factors, Genetic Factors Associated with Periodontal Disease, Immunity and Inflammation: Basic Concepts, Microbial Interactions with the Host in Periodontal Diseases, Smoking and Periodontal Disease, Molecular Biology of the Host-microbe Interaction in Periodontal Diseases: Molecular Signaling, Aspects of Pathogen-mediated Bone Destruction in Periodontal Diseases, Host Modulation, Influence of Systemic Disease, Disorders and Stress on the Periodontium, Periodontal*

Medicine: Impact of Periodontal Infection on Systemic Health, Halitosis, Microbial Interactions with the Host in Periodontal Diseases, Smoking and Periodontal Disease, Molecular Biology of the Host-microbe Interaction in Periodontal Diseases: Molecular Signaling, Aspects of Pathogen-mediated Bone Destruction in Periodontal Diseases, Host Modulation, Influence of Systemic Disease, Disorders and Stress on the Periodontium, Periodontal Medicine: Impact of Periodontal Infection on Systemic Health, Halitosis, Defense Mechanisms of the Gingiva, Gingival Inflammation, Clinical Features of Gingivitis, Gingival Enlargement, Acute Gingival Infections, Gingival Diseases in childhood, Bone Loss and Patterns of Bone Destruction, Periodontal Response to External Forces, Desquamative Gingivitis, The Periodontal Pocket, Chronic Periodontitis, Necrotizing Ulcerative Periodontitis, Aggressive Periodontitis, Pathology and Management of Periodontal Problems in Patients with HIV Infection, Clinical Diagnosis, Radiographic Aids in the Diagnosis of Periodontal Disease, Advanced Diagnostic Techniques, Risk Assessment, Levels of Clinical Significance, Determination of Prognosis, The Treatment Plan, Rationale for Periodontal Treatment, Periodontal Therapy in the Female Patient, Periodontal Treatment of Medically Compromised Patients, Periodontal Treatment for Older Adults, Treatment of Aggressive and Atypical Forms of Periodontitis, Treatment of Acute Gingival Disease, Treatment of the Periodontal Abscess, Phase I Periodontal Therapy, Plaque Control for the Periodontal Patient.

MAXILLOFACIAL RADIOLOGY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHRAD314)

SUBJECT CONTENT: *Introduction to Radiology/Definitions, Introduction to Oral Diagnosis/Definitions, Radiation Physics, Anamnesis form/ techniques, Radiation Units/X-ray tube, Vital Signs, X-Rays, Patient History/Family History/Chief symptom examination, Radiation Harmful effects I, Examination of Organ Systems I, Radiation Harmful effects II, Examination of Organ Systems II, Radiation Harmful effects III, Examination of Organ Systems III, Radiation Protection I, Examination of Organ Systems IV, Radiation Protection II, Examination of Organ Systems V, Dental Films, Examination of Organ Systems VI, Pain I, Pain II, Dark room/Processing solutions, Childhood Diseases, Intraoral Radiography Techniques I, Intraoral Radiography Techniques II, Radiographic Quality I, Radiographic Quality II, Processing and Image constitution, Examination Techniques, Extra oral Examination I, Extra oral Examination II, Extra oral Examination III, Extra oral Examination IV, Intraoral Examination I, Intraoral Examination II, Intraoral Examination III, Intraoral Examination IV, Anatomic Landmarks I, Anatomic Landmarks II, Artifacts I, Artifacts II, Parallax Technique, Caries radiology, Periodontal Radiology I, Periodontal Radiology II, Periodontal Radiology III.*

HISTORY OF DENTISTRY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHTAR301)

SUBJECT CONTENT: *Prehistoric Dentistry-Magical Medicine, Dentistry in Early High Cultures: Introduction, Egypt, Mesopotamia, Dentistry in Early High Cultures: Greek, Indian, China, America, Dentistry in Medieval- Medieval Islamic Medicine and Dentistry, Dentistry in 16-17th Century, Renaissance and Dentist, 18th century: Dentistry becomes a scientific discipline, History of Disputing with Infections and Its Effects to Dentistry*

PATHOLOGY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHPAT318)

SUBJECT CONTENT: *Introduction to pathology, overview of cellular responses to stress and noxious stimuli, cellular adaptations to stress, overview of cell injury and cell death, causes of cell injury, the morphology of cell and tissue injury, mechanisms of cell injury, examples of cell injury and necrosis, apoptosis, intracellular accumulations, pathologic calcification, cellular aging, acute and chronic inflammation overview of inflammation, morphologic patterns of acute*

inflammation, morphologic patterns of acute inflammation, chronic inflammation, systemic effects of inflammation, tissue repair: regeneration, healing, and fibrosis, the control of cell proliferation, the nature and mechanisms of action of growth factors, extracellular matrix and cell-matrix interactions, cell and tissue regeneration, repair by connective tissue, cutaneous wound healing, pathologic aspects of repair, hemodynamic disorders, thrombosis, and shock, edema, hyperemia and congestion, hemorrhage, hemostasis and thrombosis, embolism, infarction, shock, neoplasia, nomenclature, characteristics of benign and malignant neoplasms, epidemiology, carcinogenesis: the molecular basis of cancer, etiology of cancer: carcinogenic agents, host defense against tumors: tumor immunity, clinical aspects of neoplasia, environmental and nutritional diseases, general mechanisms of toxicity, environmental pollution, effects of tobacco, effects of alcohol, injury by therapeutic drugs and drugs of abuse, injury by physical agents, nutritional diseases.

ORAL SURGERY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHADC308)

SUBJECT CONTENT: *Introduction to oral surgery and history of oral surgery, the principles of surgery, Surgical approach of the medically compromised patients, Tooth extraction, indication, contraindications, Extraction techniques, complications, wound care, Developmental disorders, Lesions of hard dental tissues, Pulpal diseases, Periodontal diseases, Repeat of Surgical anatomies, Drugs in relation to oral surgery.*

ANAESTHESIA (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHANS313)

SUBJECT CONTENT: *Introduction to anesthesia, use of locoregional anesthesia in dentistry, The anatomy of the peripheral nerve, the physiology of the peripheral nerve, nerve conduction The innervation of the teeth N. Trigemini (N. Maxillaries, N. Mandibularis), Anesthetics used in dentistry, classification, vasopressor used in local anesthetics, Techniques of local anesthesia, Injection techniques, troncular anesthesia, Techniques of maxillary anesthesia, Techniques of mandibular anesthesia, Local and systemic complications related to local anesthesia, Locoregional anesthesia applications in systemic situations, Sedation in children and adolescent patients.*

PHARMACOLOGY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHFRM316)

SUBJECT CONTENT: *General Pharmacology, Chemotherapeutics, Central Nervous System Pharmacology, Autonomic Nervous System Pharmacology, Pharmacology of Cardiovascular System, Respiratory System Pharmacology, Pharmacology of Endocrine System, Gastrointestinal Pharmacology, Autocoids, Nonsteroidal anti-inflammatory drugs, Drugs in Blood Diseases.*

PEDODONTICS (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHPED320)

SUBJECT CONTENT: *Children Behavior according to ages and behavioral approach, Behavioral and physical assessment, Histology, morphology and physiology of primary teeth and supportive tissue, Tooth caries, theories and etiology, Clinical view of primary tooth caries and its diagnose, Cavity preparation techniques in primary teeth, Anamnesis, Clinical examination methods in pediatric dentistry, Clinical examination methods in pediatric dentistry (radiologic examination), Pulpal diseases and indications, Pulp treatment in primary teeth, Extraction indications in primary teeth, Medications used in pediatric dentistry, Restorative techniques in primary teeth, Advanced restorative techniques in primary and immature permanent teeth.*

PROSTHODONTICS (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHPRO315)

SUBJECT CONTENT: Concepts of retention in partial dentures, Concepts of direct and indirect retention, Classification of retainers, Types of retainers (Part I), Types of retainers (Part II), Maxillary major connectors in partial dentures, Mandibular major connectors in partial dentures, *Assessment of abutment teeth in fixed prosthodontics, Biomechanical concepts in bridge- prosthesis, Connectors in fixed prosthesis, Attachments and telescopic crowns, Minor connectors, Preparation of post-core crown in single and multiple rooted teeth, Functional and anatomical impression in partial dentures, Biomechanical concepts in partial dentures (Part I), Biomechanical concepts in partial dentures (Part II), Biomechanical concepts in partial dentures (Part III), Relationship between fixed prosthesis and periodontal tissue, Color and esthetics in fixed restorations, Enamel, dentin and pulp reactions in tooth preparation, Temporary crowns and bridges, Assessment of anatomical structures in maxilla for the purpose of total denture, Assessment of anatomical structures in mandibula for the purpose of total denture, Overviewing the phases previous to teeth arrangement in the construction of total denture, Teeth arrangement in total dentures, Waxing and investing in total prosthesis, Casting and soldering methods, Construction of cast metal frame removable prosthesis, Retraction methods in fixed prosthesis, Direct and indirect impression methods in fixed prosthesis, Principles of retention in total prosthesis, Impression trays and initial impression in total dentures, Final impression and dental model construction in total dentures, Post-dam area and preparation techniques of post-dam, Determination of vertical jaw relations, Determination of horizontal jaw relations, Porcelain-metal bonding, Indications of metal porcelain restorations and preparation of abutment teeth, Metal frame work design in metal porcelain restorations, Foundation and arrangement of teeth in total dentures, Occlusal harmonization and relationship between prosthesis and resorption in total dentures, General principles in full mouth bridges, Rebasing and relining in total dentures, Total and partial immediate prosthesis.*

ENDODONTICS (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHEND309)

SUBJECT CONTENT: *Root Canal Morphology, Access Cavity and Endodontic Instruments, The Removal of Pulp Tissue And Methods of Determining Working Length, Cleaning and Shaping The Root Canal System, Irrigation of Root Canal System, Disinfection of Root Canal System, Obturation of The Root Canal System, Biological Principles and Techniques, Pulpal Pathology: Its Etiology and Prevention, Tooth Pulp Inflammation, Endodontic Treatment of Pulpal Diseases, Clinical Classification of Pulpal Diseases, Indirect Pulp Capping, Direct Pulp Capping, Partial Pulp Amputation (Pulpotomy, Partial Removal of Pulp), Root Canal Treatment (Total Pulpotomy) Indications and Contraindications, Obturation of The Root Canal System: Materials, Tooth Isolation In Endodontics, Endodontic Mishaps: Their Detection, Correction, and Prevention, Dental Pulp Gangrene and Dental Pulp Necrosis, Microbiology of Endodontics, Histology and Physiology of The Dental Pulp, Histology and Physiology of The Periapical Tissues, Periapical Diseases and Treatments.*

YEAR 4

PERIODONTOLOGY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHPER412)

SUBJECT CONTENT: *Scaling and Root Planning, Chemotherapeutic Agents, Host Modulation Agents, Sonic and Ultrasonic Instrumentation, Supragingival and Subgingival Irrigation, The Adjunctive Role of Orthodontic Therapy, The Periodontic-Endodontic Relationship, Phase II Periodontal Therapy, General Principles of Periodontal Surgery, Surgical Anatomy of the Periodontium and Related Structures, Gingival Surgical Techniques, Treatment of Gingival Enlargement,*

The Periodontal Flap, The Flap Technique for Pocket Therapy, Resective Osseous Surgery, Reconstructive Periodontal Surgery, Furcation: Involvement and Treatment, Periodontal Plastic and Esthetic Surgery, Recent Advances in Surgical Technology, Preparation of the Periodontium for Restorative Dentistry, Restorative Interrelationships, Biological Aspects of Oral Implants, Clinical Aspects and Evaluation of the Implant Patient, Diagnostic Imaging for the Implant Patient, Standard Implant Surgical Procedures, Localized Bone Augmentation and Implant Site Development, Advanced Implant Surgical Procedures, Recent Advances in Implant Surgical Technology, Biomechanics, Treatment Planning and Prosthetic Considerations, Implant-Related Complications and Failures, Supportive Periodontal Treatment, Results of Periodontal Treatment.

ORTHODONTICS (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHORT407)

SUBJECT CONTENT: *Preventive and interceptive orthodontic types, Preventive and interceptive orthodontic treatment, Removable Appliances, Orthodontic forces, sources ,types and specifications of orthodontic forces, anchorage regions, anchorage classifications, Principles of treatment in cleft-lip palate patients, Extraoral appliances, Orthodontic wires (Elastic-Plastic deformation), Bonwill Hawley arch form, Edgewise, Beg technics, Fixed orthodontic technics, straight wire and lingual technics, Orthodontic treatment in impacted canines, trauma and orthodontic treatment, Orthodontic surgical treatment, distraction osteogenesis and orthodontic treatment in OSAS, Orthopedic and orthodontic treatment in transverse maxillary deficiency, Orthopedic treatment in skeletal Cl III anomalies, Retention treatment, Functional analysis, Myofunctional therapy, Growth modification in the treatment of skeletal problems, Treatment principals of Cl II Div. 1 malocclusion, Effects of activator treatment in Cl II Div. 1 malocclusion, Treatment principals of Cl I malocclusion, Treatment principals of Cl II Div. 2 malocclusion, Orthopedic and orthodontic treatment in open bite, Orthopedic and orthodontic treatment in deep bite.*

ORAL DISEASES (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHADH408)

SUBJECT CONTENT: *Anatomic and Histological Structure of Oral Mucosa And its Functions, Red, White, Pigmented, Ulcerative, vesicular lesions of Oral Mucosa Gingival Enlargements Swellings of Orofacial Region Contagious Disease and Specific Infections Tumors of Soft Tissues Lesions of Lip and Tongue Swelling of the Neck Diseases of Bone Odontogenic and Non-odontogenic Tumors Inflammation Cyst of Soft Tissues Oral Findings in Blood Diseases.*

ORAL SURGERY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHCER416)

SUBJECT CONTENT: *Examination and diagnostic methods in oral surgery, biopsy, pre-prosthetic surgery, impacted teeth, apicectomy, transplantation and replantation, diseases of antrum and oroantral communication, Hemorrhage 1 – Laser Definition and basic concepts 2 - Laser types 3 – Laser Applications 4 - Low-dose laser applications 5 - Cryosurgery Definition and basic concepts 6 - cryosurgery applications 7 - Scalpel blade, comparison of laser and cryosurgery.*

ORAL PATHOLOGY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHPAT422)

SUBJECT CONTENT: *Examination of extraoral tissues, examination of mouth, jaws, temporomandibular region and salivary glands. Investigations: Histopathology, congenital abnormalities, inflammatory Diseases, other non-neoplastic lesions, dermatological diseases, tumors and tumor like conditions of surface epithelium, leukoplakia, dysplasia,*

carcinoma in situ, oral lesions and human papilloma virus, squamous cell carcinoma, verrucous carcinoma, other microscopic types, tumors of odontogenic epithelium, tumors of melanocytes, tumor and tumorlike conditions of Lymphoid tissue, other tumors and tumorlike conditions.

RESTORATIVE DENTISTRY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHTDV410)

SUBJECT CONTENT: *Dental Equipment: Usage, Parts and Periodic Servicing, Adult Prophylaxis in Restorative Dentistry, Management of the Deep Carious Lesion and the Vital Pulp Dentine Complex, Pulpal Reaction to Restorative Materials, Physiologic Movement of Teeth, Abrasion, Attrition, Erosion, Dentin Pins, Modern Cavity Principles, Minimal Invasive Operative Techniques with Advanced Technology in Dentistry, Dental Cervical Lesions, Post-operative Pain in Dentistry, Dentin hypersensitivity and Management, Tooth Discoloration, Bleaching, Composite Laminate Veneers, Composite Inlays and Onlays.*

ENDODONTICS (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHEND409)

SUBJECT CONTENT: *Endodontic Diagnosis, Systemic Health in Endodontics , The Removal of Smear Layer In Root Canals, Endodontic- Periodontal Relations, Endodontic Re-Treatment, Pharmacology for Endodontics, Endodontic Surgery, Pulpal Reaction to Restorative Procedures, Endodontic Emergency Treatment, Geriatric Endodontics, Success and Failure In Endodontics, Endodontic Options In Failure, Root Resorptions, Partial Pulp Amputation, Dental Trauma, Endodontic Treatment of Dental Formation Anomalies , Bleaching of Pulp less Teeth, Endodontic Post Systems.*

ORAL BIOCHEMISTRY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHAB417)

SUBJECT CONTENT: *Body fluids, blood tissue, blood analysis, tests carried out in body fluids, chemical analyses in serum and plasma, enzymes, electrolytes and minerals, metabolites, lipid group tests, serum proteins, vitamins, hormones analysis, original proteins, tumor markers, serological tests, saliva analysis, urine analysis.*

TOPOGRAPHIC ANATOMY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHTA423)

SUBJECT CONTENT: *The Pharynx, The Anterior Abdominal, Wall The Peritoneum, The Greater and Lesser Omentum, the liver and bile ducts the pancreas, the spleen, The Vessels and the Nerves of Alimentary Tract, The Portal System, The Posterior Abdominal Wall, The Kidneys and Ureters, The Urinary Bladder and Urethra, The Pelvis and Perineum, The Male Genital Organs, The Female Genital Organs, Introduction to Central Nervous System, The Spinal Cord, Medulla oblongata, Pons, Mesencephalon, Cranial Nerves, Cerebellum, Diencephalon, Autonomic Nerves System, Morphology of the Brain Hemispheres, The Motor and Sensory Region of the Brain Hemispheres, Dural Sinuses and Meninges, The Brain Ventriculus and CSF, Rhinencephalon and Limbic System, The Vessels of the CNS, The Afferent Pathways of the CNS, The Efferent Pathways of the CNS, The Orbit and its contents, The Eyeball and Visual Pathways, The Ear and Auditory Pathways, The Pituitary Gland (Hypophysis), The Thyroid Gland, The Parathyroid Gland, The Suprarenal Gland, The Thymus.*

PEDIATRIC DENTISTRY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHPED420)

SUBJECT CONTENT: *Domestic abuse in children and neglect, Treatment approaches in incompatible and disabled children Caries prophylaxis, Somatic growth, development and child health, Occlusal guidance in pediatric dentistry and treatment approaches, Dental trauma and treatments, Endodontic treatment in immature permanent teeth (apexification), Childhood diseases and symptoms, Developmental disturbances in primary and permanent teeth, Restorative and prosthodontic treatments of developmental disturbances, Treatment planning in pediatric patients according to ages.*

PUBLIC ORAL AND DENTAL HEALTH (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHTADS421)

SUBJECT CONTENT: *Introduction to public and oral health, Health education, Health system, Epidemiology ,Caries epidemiology in 0-15 ages WHO targets, situation of our country, Used index in epidemiologic research procedures in children, Caries epidemiology in 0-18 ages WHO targets, situation of our country, Oral health in pregnant, babies and adolescents, School programmes, Protective applications in groups that need special care ,Planning and evaluating of protecting and developing health programmes.*

ORAL DIAGNOSIS AND RADIOLOGY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHRAD414)

SUBJECT CONTENT: *Clinical and Radiographic Evaluation I, Clinical and Radiographic Evaluation II, Diagnosis and Treatment, Pain, Laboratory Techniques I, Laboratory Techniques II, Laboratory Techniques III, Extra oral Radiography Techniques I, Extra oral Radiography Techniques II, Special Radiographic Examinations, Contemporary Imaging Techniques I, Contemporary Imaging Techniques II, Temporomandibular Joint, Examination and Radiology, Radiopaque / Radiolucent Lesions I, Radiopaque / Radiolucent Lesions II, Radiopaque / Radiolucent Lesions III, Radiopaque / Radiolucent Lesions IV, Salivary Gland Imaging, Halitosis, Oral Soft Tissue Lesions I, Oral Soft Tissue Lesions II, Oral Soft Tissue Lesions III, Oral Soft Tissue Lesions IV, Digital radiography, AIDS, Lymphatic system, Orthopantomography, Clinical and Radiographic Evaluation III.*

PROSTHODONTICS (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHPRO415)

SUBJECT CONTENT: *Intraoral examination, diagnostic casts and treatment planning in fixed partial dentures, Clinical examination in partial denture cases (Part I), Clinical examination in partial denture cases (Part II) , Indications of prosthetic rehabilitation, Registration and transfer of occlusal relationships, Mouth preparations in partial dentures, Functional impression techniques in partial dentures, Shade selection in fixed partial dentures, All-ceramic restorations and the fabrication methods of all-ceramic systems, Intraoral examination and mouth preparation in complete dentures, Resin-bonded restorations and the bonding agents, Porcelain laminate veneers, Occlusion, Cementation of fixed partial dentures, Stabilization concept in partial dentures, elements of stabilization, Retention concept in partial dentures, indirect retention concept, Treatment planning in partial denture cases (Part I), Treatment planning in partial denture cases (Part II), Treatment planning in partial denture cases (Part III), Treatment planning in partial denture cases (Part IV), Single complete dentures, Indications and types of overdentures, Stress breakers in partial dentures, Failure of metal-ceramic restorations and repair methods, Oral hygiene of patients after prosthetic treatment and patient education, Precision attachments in partial dentures.*

BIostatISTICS (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHBIO418)

SUBJECT CONTENT: *Introduction Statistics and Biostatistics, Descriptive Statistics, Frequency Tables, single variables graphics, Cross tables two and multivariate graphs, Inferential Statistics, Introduction to sampling and sampling methods.*

ORAL MICROBIOLOGY (LECTURE TYPE: OBLIGATORY SUBJECT; SUBJECT CODE: DHFAMB413)

SUBJECT CONTENT: *Definition of oral microbiology, development of oral microbial ecology of normal microbial flora of the mouth and throat, oral colonization mechanisms, the characteristic of oral gram-positive bacteria, properties of oral gram-negative bacteria, the properties of the oral cavities, dental caries microbiology, periodontal diseases microbiology, endodontic infections microbiology, oral cavity fungi and parasites, oral mucosa and submucosal tissue infection in dentistry hepatitis viruses, AIDS and prevention, oral infections, systemic symptoms, focal infections and the importance of oral microorganisms and working method, infection control, sterilization, disinfection, skin and mucous membranes diseases causing by viruses, oral and periodontal diseases, immunology. pulp infection immunology, contagious infections, hypersensitivity against various materials in dentistry and clinical significance, chronic oral infections, oral infections, prophylaxis and antimicrobial treatment, cross-infection control.*

SAMPLE COPY

NEAR EAST UNIVERSITY

DIPLOMA SUPPLEMENT

Diploma No:

Diploma Date: DD/MM/YY

Near East Boulevard, Nicosia – North Cyprus

+90 392 680 2000

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The Purpose of the supplement is to provide sufficient independent data to improve the international “transparency” and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc.). It is designed to provide a description of the nature, level, context, content and the status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgments, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

Diploma No:		Diploma Date:																																									
1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION																																											
1.1. Family name(s):		1.3. Place and date of birth:																																									
1.2. Given name(s):		1.4. Student identification number:																																									
2. INFORMATION IDENTIFYING THE QUALIFICATION																																											
2.1. Name of the qualification and (if applicable) the title conferred Doctor of Dental Surgery (DDS)		2.4. Name and type of institution administering studies SAME AS 2.3.																																									
2.2. Main field(s) of study for qualification Faculty of Dentistry		2.5. Language(s) of instruction/examinations ENGLISH																																									
2.3. Name and status of awarding institution YAKIN DOĞU ÜNİVERSİTESİ, PRIVATE UNIVERSITY																																											
3. INFORMATION ON THE LEVEL OF THE QUALIFICATION																																											
3.1. Level of qualification First Cycle (Bachelor's Degree)		3.2. Official length of program Doctor of Dental Surgery (DDS) degree is a five-year programme in the Near East University Faculty of Dentistry. One year consists of 28 weeks.																																									
3.3. Access requirement(s) Admission of Turkish nationalities to higher education is based on a nation-wide Higher Education Institutions Examination (YKS) administered by the Higher Education Council of Turkey (YÖK). Admission of Turkish Republic of Northern Cyprus nationals is based on the Near East University Entrance and Placement Exam for Turkish Cypriots. Admission of foreign students is based on their high school credentials. Proof of English language proficiency is also required.																																											
4. INFORMATION ON THE CONTENTS AND RESULTS GAINED																																											
4.1. Mode of study Full-Time		4.2. Programme requirements A student is required to have a minimum of cGPA of 2.00/4.00 and no failing grades (FF, FD).																																									
4.3. Objectives <i>The Near East University Faculty of Dentistry is envisioned to be recognized as a center of Excellence in dental education and eventually to be known in the international dental community for its world-class, globally competitive graduates. Through excellence in teaching; our mission is to educate nationally and internationally recognized future dentists and specialist who aspire leadership in dentistry. The Near East University Faculty of Dentistry strives to develop scientifically based, self-confident, competitive socially and ethically sensitive dental professionals with a strong commitment to Atatürk's principles. Thus, envisioning the faculty as a destination of choice for all aspiring undergraduate and graduate students: our objective is to enhance technical skills of the future dentists is excellent patient care and to instill proper attitudes with a strong commitment to the ideals of the dental profession.</i>		4.4. Programme details and the individual grades/marks obtained Please see the next page.																																									
4.5. Grading scheme, grade translation and grade distribution guidance: For each course taken, the student is assigned one of the following grades by the course teacher. For A.Sc., B.Sc. or B.A. degrees, students must obtain at least DD or S from each course and have a GGPA of not less than 2.00 out of 4.00 and have completed all the courses and summer practices in the program. For graduate degrees, students must obtain at least CC or S from each course for M.Sc. and M.A., at least BB for Ph.D. They also need to have a GCPA of 3.00 to graduate. The student's standing is calculated in the form of a Graduate Point Average (GPA) and Cumulative Grade Point (CGPA) and is announced at the end of each semester by the Registrar's Office. The total credit points for a course are obtained by multiplying the coefficient of the final grade by the credit hours. In order to obtain the GPA for any given semester, the total credit points are divided by the total credit hours. The averages are given up to two decimal points. Students who obtain a CGPA of 3.00-3.49 at the end of a semester are considered as "Honor Students" and those who obtain a CGPA of 3.50-4.00 at the end of a semester are considered as "High Honor Students" and this is recorded in their academic report. The letter grades, the quality point equivalents are:																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Percentage</th> <th style="width: 25%;">Course Grade</th> <th colspan="2" style="width: 50%;">Grade Points</th> </tr> </thead> <tbody> <tr> <td>90-100</td> <td>AA</td> <td>4</td> <td>Excellent</td> </tr> <tr> <td>85-89</td> <td>BA</td> <td>3.5</td> <td>Excellent</td> </tr> <tr> <td>80-84</td> <td>BB</td> <td>3</td> <td>Very good</td> </tr> <tr> <td>70-79</td> <td>CB</td> <td>2.5</td> <td>Very good</td> </tr> <tr> <td>60-69</td> <td>CC</td> <td>2</td> <td>Good</td> </tr> <tr> <td>55-59</td> <td>DC</td> <td>1.5</td> <td>Average</td> </tr> <tr> <td>50-54</td> <td>DD</td> <td>1</td> <td>Average</td> </tr> <tr> <td>40-49</td> <td>FD</td> <td>0.5</td> <td>Failed</td> </tr> <tr> <td>39-and below</td> <td>FF</td> <td>0</td> <td>Failed</td> </tr> </tbody> </table>				Percentage	Course Grade	Grade Points		90-100	AA	4	Excellent	85-89	BA	3.5	Excellent	80-84	BB	3	Very good	70-79	CB	2.5	Very good	60-69	CC	2	Good	55-59	DC	1.5	Average	50-54	DD	1	Average	40-49	FD	0.5	Failed	39-and below	FF	0	Failed
Percentage	Course Grade	Grade Points																																									
90-100	AA	4	Excellent																																								
85-89	BA	3.5	Excellent																																								
80-84	BB	3	Very good																																								
70-79	CB	2.5	Very good																																								
60-69	CC	2	Good																																								
55-59	DC	1.5	Average																																								
50-54	DD	1	Average																																								
40-49	FD	0.5	Failed																																								
39-and below	FF	0	Failed																																								
I- Incomplete S- Satisfactory Completion, U- Unsatisfactory, NA- Never Attended, E- Exempted, W- Withdrawn																																											
4.6 Overall classification of the award		CGPA: 0.00/4.00																																									
5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION																																											
5.1. Access to further study May apply to second cycle programmes.		5.2. Professional status conferred This degree enables the graduates to exercise profession																																									
6. ADDITIONAL INFORMATION																																											
6.1. Additional information The five years curriculum of dental education comprised of 3 pre-clinical years followed by 2 years of clinical internship.		6.2. Sources for further information Faculty web site: http://dentistry.neu.edu.tr/ University web site: https://neu.edu.tr/ Higher Education Council of North Cyprus: https://yodak.gov.ct.tr/ Higher Education Council of Turkey: https://www.yok.gov.tr/en																																									

4.4. Program details and the individual grade/marks obtained:

1 (1 st YEAR)						2 (2 nd YEAR)					
Course Code	Course Name	C R	ECT S	Status	Grade	Course Code	Course Name	C R	ECTS	Status	Grade
COM100	Computer	3	3	Compulsory		DHANA207	Anatomy	6	6	Compulsory	
DHANA111	Anatomy	6	6	Compulsory		DHEND209	Endodontics	6	6	Compulsory	
DHBF108	Biophysics	3	3	Compulsory		DHFZY216	Physiology	4	4	Compulsory	
DHDB109	Behavioral Science	2	2	Compulsory		DHHIS214	Histology	5	5	Compulsory	
DHDM115	Dental Morphology and Manipulation	14	14	Compulsory		DHMAD217	Material Science	3	3	Compulsory	
DHOKB113	Organic Chemistry and Biochemistry	6	6	Compulsory		DHMIC213	Microbiology	4	4	Compulsory	
DHSEC107	Elective Course	2	2	Elective		DHPRO215	Prosthodontics	14	14	Compulsory	
DHTBG112	Medical Biology and Genetics	6	6	Compulsory		DHTDV210	Restorative Dentistry	10	10	Compulsory	
PHY100	Physics	4	4	Compulsory		DHTYD219	Basic Life Support	2	2	Compulsory	
TUR100	Turkish Language	4	4	Compulsory		ENG200	Foreign Language (English)	6	6	Compulsory	
ENG100	Foreign Language (English)	6	6	Compulsory							
AIT100	Principles of Atatürk and History of Turkish Revolution	4	4	Compulsory							
		60	60					60	60		

3 (3 rd YEAR)						4 (4 th YEAR)					
Course Code	Course Name	C R	ECT S	Status	Grade	Course Code	Course Name	C R	ECTS	Status	Grade
DHAD308	Oral Surgery	3	3	Compulsory		DHAB417	Oral Biochemistry	2	2	Compulsory	
DHANS313	Dental Anesthesia	2	2	Compulsory		DHADH408	Oral Diseases	3	3	Compulsory	
DHEND309	Endodontics	7	7	Compulsory		DHBIO418	Biostatistics	2	2	Compulsory	
DHFRM316	Pharmacology	2	2	Compulsory		DHCER416	Oral Surgery	8	8	Compulsory	
DHKG319	Clinical Observation	2	2	Compulsory		DHEND409	Endodontics	6	6	Compulsory	
DHORT307	Orthodontics	5	5	Compulsory		DHFAMB413	Oral Microbiology	2	2	Compulsory	
DHPAT318	Pathology	2	2	Compulsory		DHORT407	Orthodontics	4	4	Compulsory	
DHPED320	Pedodontics	4	4	Compulsory		DHPAT422	Oral Pathology	2	2	Compulsory	
DHPER312	Periodontology	4	4	Compulsory		DHPED420	Pedodontics	4	4	Compulsory	
DHPRO315	Prosthodontics	14	14	Compulsory		DHPER412	Periodontology	4	4	Compulsory	
DHRAD314	Oral Diagnosis and Radiology	4	4	Compulsory		DHPRO415	Prosthodontics	8	8	Compulsory	
DHTAR301	History of Dentistry	1	1	Compulsory		DHRAD414	Oral Diagnosis and Radiology	4	4	Compulsory	
DHTDV310	Restorative Dentistry	10	10	Compulsory		DHTA423	Topographic Anatomy	2	2	Compulsory	
						DHTADS421	Public Oral and Dental health	4	4	Compulsory	
						DHTDV 410	Restorative Dentistry	5	5	Compulsory	
		60	60					60	60		

7. CERTIFICATION OF THE SUPPLEMENT

- 7.1. Date :
- 7.2. Name and Signature : Ümit Serdaroğlu
- 7.3. Capacity : Registrar
- 7.4. Official stamp or seal :

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

The basic structure of the North Cyprus Education System consists of four main stages as pre-school education, primary education, secondary education and higher education.

Pre-school education consists of non-compulsory programs whereas primary education is a compulsory 8-year program for all children beginning from the age of 6. The secondary education system includes “General High Schools” and “Vocational and Technical High Schools”.

The Higher Education System in North Cyprus is regulated by the Higher Education Planning, Evaluation, Accreditation and Coordination Council (Yükseköğretim Planlama, Denetleme, Akreditasyon ve Koordinasyon Kurulu – YÖDAK). Established in 1988, the Council regulates the activities of higher education institutions with respect to research, governing, planning and organization. The higher education institutions are established within the framework of the Higher Education Law. All programs of higher education should be accredited by YÖDAK.

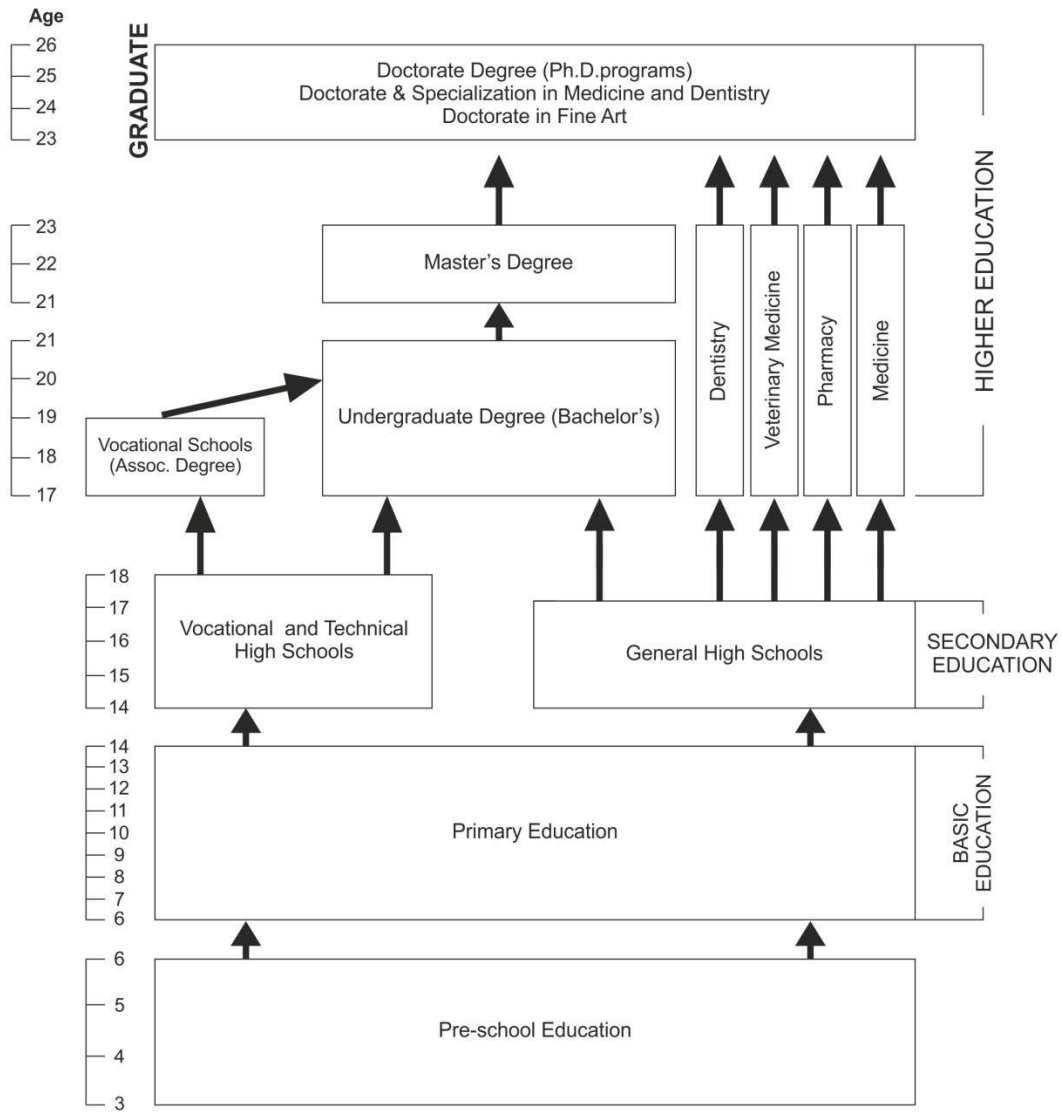
Higher education in North Cyprus comprises all post-secondary higher education programmes, consisting of short, first, second, and third cycle degrees in terms of terminology of the Bologna Process. The structure of North Cyprus higher education degrees is based on a two-tier system, except for dentistry, pharmacy, medicine and veterinary medicine programmes which have a one-tier system. The duration of these one-tier programmes is five years except for medicine which lasts six years. The qualifications in these one-tier programmes are equivalent to the first cycle (bachelor degree) plus secondary cycle (master degree) degree. Undergraduate level of study consists of short cycle (associate degree) - (önlisans derecesi) and first cycle (bachelor degree) - (lisans derecesi) degrees which are awarded after the successful completion of full-time two-year and four-year study programmes, respectively.

Graduate level of study consists of second cycle (master degree) – (yüksek lisans derecesi) and third cycle (doctorate) – (doktora derecesi) degree programmes. Second cycle is divided into two sub-types named as master without thesis and master with thesis. Master programmes without thesis consists of courses and semester project. The master programmes with a thesis consist of courses, a seminar, and a thesis. Third cycle (doctorate) degree programmes consist of completion of courses, passing a qualifying examination and a doctoral thesis. Specializations in dentistry, accepted as equivalent to third cycle programmes are carried out within the faculties of dentistry. Specialization in medicine, accepted as equivalent to third cycle programmes are carried out within the faculties of medicine, and university hospitals and training hospitals operated by the Ministry of Health.

Universities consist of graduate schools (institutes) offering second cycle (master degree) and third cycle (doctorate) degree programmes, faculties offering first cycle (bachelor degree) programmes, four-year higher schools offering first cycle (bachelor degree) degree programmes with a vocational emphasis and two-year vocational schools offering short cycle (associate degree) degree programmes of strictly vocational nature.

Second cycle degree holders may apply to third cycle programmes if their performance at the first cycle degree level is exceptionally high and their national central Graduate Education Entrance Examination (ALES) score is also high and their application is approved. The doctoral degree is conferred subject to at least one publication in a cited and refereed journal.

GENERAL STRUCTURE OF THE NORTH CYPRUS EDUCATION SYSTEM



GRADING AND COEFFICIENTS			
AA=4.00	CB=2.50	DD=1.00	I=Incomplete
BA=3.50	CC=2.00	FD=0.50	W=Withdrawn
BB=3.00	DC=1.50	FF=0.00	S=Satisfactory
ABBREVIATIONS			
ACA. YEAR	Academic Year		
C. CODE	Course Code		
GPA	Grade Point Average		
CGPA	Cumulative Grade Point Average		
GRA	Grade		
CRE	Credit Hours		
C.RAT	Credit Rating		

GRADING SCHEME AND GRADES

PERCENTAGE	COURSE GRADE	GRADE POINTS	
90-100	AA	4,00	(Excellent)
85-89	BA	3,50	(Excellent)
80-84	BB	3,00	(Very Good)
70-79	CB	2,50	(Very Good)
60-69	CC	2,00	(Good)
55-59	DC	1,50	(Average)
50-54	DD	1,00	(Average)
40-49	FD	0,50	(Failed)
0-39	FF	0,00	(Failed)