COURSE CATALOGUE

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY

2020-2021
Nicosia, North Cyprus

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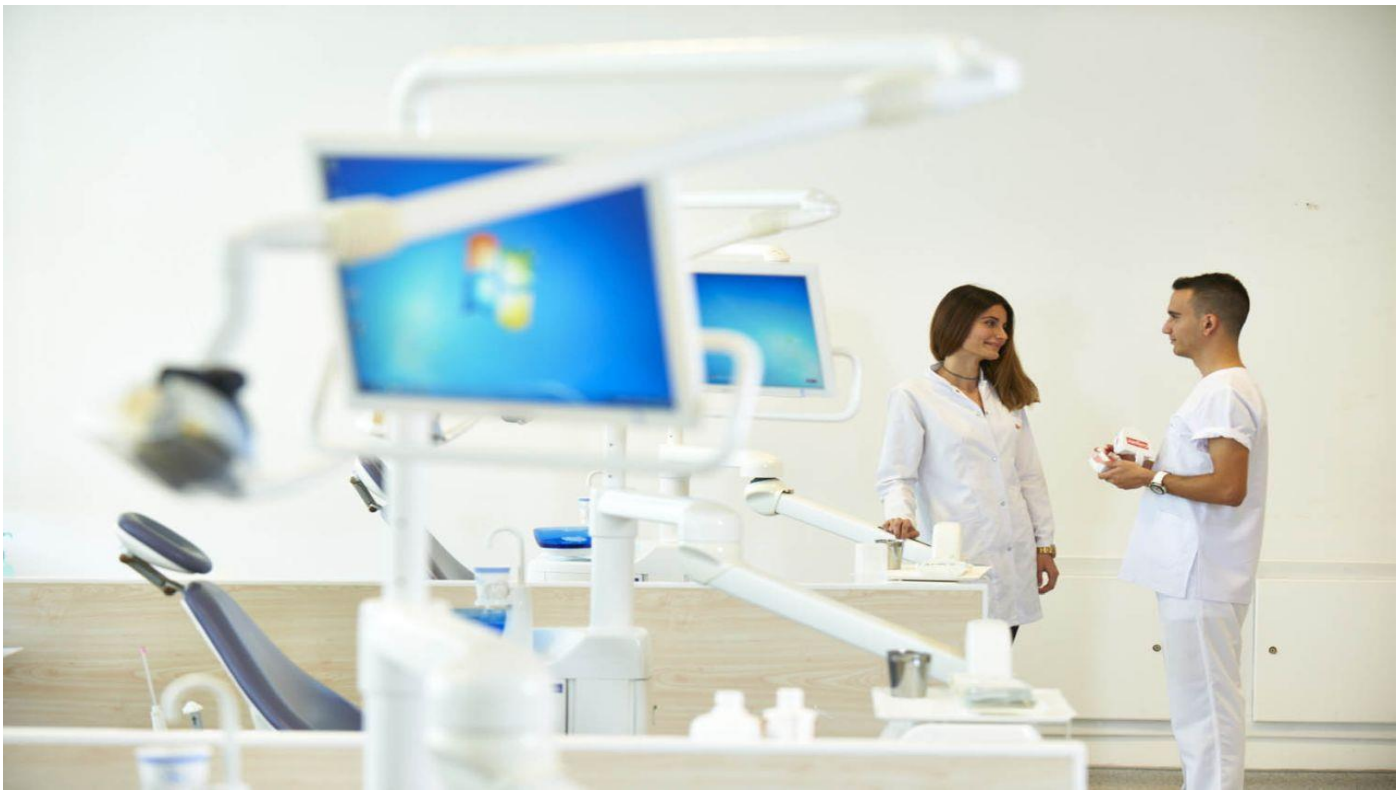
Preface

Since its establishment in 2007, Near East University Faculty of Dentistry has been functioning effectively at all levels with the responsibility of being the first Dentistry Faculty of North Cyprus, which is strategically located in the Near East geography, and with the honor and excitement of being giving its 11th term graduates in the 2021-2022 academic year, in Turkish and English programs.



General Information Regarding the Faculty

In the Near East University Faculty of Dentistry, which started education and training on October 1, 2007; a strong teaching staff was formed by assigning faculty members from Ankara University Faculty of Dentistry with the protocol signed mutually. The staff for faculty management is as follows:

Prof. Dr. Mutahhar ULUSOY
DEAN

Prof. Dr. Sevcan KURTULMUŞ-YILMAZ
VICE DEAN

Assoc. Prof. Dr. Özay ÖNÖRAL
VICE DEAN

Prof. Dr. Güney YILMAZ
HEAD PHYSICIAN

Assoc. Prof. Dr. Aysa AYALI
VICE HEAD PHYSICIAN

The faculty has 8 departments (Prosthodontics, Oral and Maxillofacial Surgery, Restorative Dentistry, Endodontics, Orthodontics, Pedodontics, Periodontology, Oral and Maxillofacial Radiology).

Currently, undergraduate and graduate education, research and clinical services are carried out with 7 Professors, 13 Associate Professors, 18 Assistant Professors, 9 Doctoral Faculty Members and 46 research assistants (PhD). This number is increasing day by day, our staff is getting stronger by actively operating the academic promotion process.

The five-floor building consisting of education and clinical blocks within the university campus, preclinical and simulation laboratories equipped with modern tools and equipment, the first diagnostic center using contemporary imaging techniques, computer-aided 3D modeling laboratory, sedation unit, modern equipped clinics, fully equipped operating rooms in surgical branches, classrooms and meeting rooms, professional technician laboratories where all kinds of fixed and removable appliances used in prosthetic and orthodontic treatments of patients are made, and preclinical and clinical trainings are provided.

Program Duration

The education period of the Faculty of Dentistry is 5 years. In our faculty, pre-clinical training is given in the first 3 years of 5-year education period and clinical training is given in the last 2 years. Each academic year consists of two 14-week terms, Fall and Spring.

Education Type

Education in our faculty is formal education. An integrated education program has been implemented in our faculty since the 2018-2019 Academic Year. The courses of the integrated education program are not based on a discipline; It is carried out with an integrated (horizontal integration) system in which similar subjects of different courses are taught together by related disciplines in a certain time and flow. The education program of our faculty is in accordance with the Dentistry National Core Education Program (DUÇEP). The aim of the program is to enable graduates to receive education in different fields with elective courses as well as their

competence in the academic field. Common compulsory courses and elective courses can be taught through formal education or online education.

General Information about the Program and Teaching Method

Education in our faculty is conducted in Turkish and English. Foreign students who apply to the Turkish program of our faculty must prove that they understand, speak and write Turkish by acquiring a Turkish Proficiency Exam document. Students who apply to the English program must acquire an English Language Proficiency document.

Faculty education may include: compulsory theoretical course committees, compulsory practical course committees, elective courses that are not in the committees, compulsory mutual courses that are not in the committees as courses, seminars, internship programs, applied courses, pre-clinical activities, clinical activities, laboratory studies and other activities (observation, homework, individual studies, exam preparation, field and library studies, graduation thesis, projects, etc.).

Theoretical committees consist of clinical sciences committees, basic medical sciences committees and clinical medical science committees. The pre-clinical practical committee includes practices of Dental Morphology and Manipulation, Prosthodontics, Restorative Dentistry, Endodontics, Pedodontics, Periodontology, Oral & Maxillofacial Surgery (Dental Anesthesia), Oral & Maxillofacial Radiology disciplines. In addition to these courses, it also includes practices of medical courses.

“Ataturk’s Principles and History of Turkish Revolution”, “Turkish Language” and “English” are compulsory mutual courses for students from Turkey, the TRNC and for foreign students. Students take elective courses inside and outside the field and the credits of these courses form 25% of the total ECTS credits.

Degree

The diploma awarded by the Faculty of Dentistry of the Near East University is a master's degree in Dentistry for five years. Graduating students are given the title of "dental surgeon".

Education Level

Dentistry education is a 5-year program that consists of 300 ECTS credits, equivalent to a master's degree. In terms of ECTS credit conditions and level qualifications, the program provides consistency with First Level (First Cycle) of Higher Education European Qualifications Top Frame (QF-EHEA) and Sixth Level of Turkey Higher Education Qualifications Framework (TYYÇ) according to ISCED 2011.

Registration Requirements

All applications for entry to Near East University and registrations are processed by the registrar's office of student enrolment. The application period is announced by the university.

Turkish students' registration is determined according to the results of the higher education entrance examination held by YÖK every year; whereas Turkish Cypriots and international students can register to the university via special examinations organized by the university.

Applicants who are eligible for registration must complete the registration process within the designated period. Documentation required for registration:

1) Document of higher education entrance examination result provided by YÖK.
2) The original high school diploma or new dated certificate of graduation.
3) Copy of ID card.
4) Certificate of residence
5) Documentation of military service status
6) 12 passport photographs
7) Other documentation required by the university before the registration

The following qualifications are required for registration in the Near East University Faculty of Dentistry:

a) Graduation from a high school or an equivalent vocational school (the equivalence of diplomas taken from foreign high schools must be approved by the Ministry of National Education)

b) Having the right to register at the Near East University Faculty of Dentistry during that academic year as a result of the higher education entrance examination conducted by YÖK

c) Having the right to register at the Near East University Faculty of Dentistry as a result of passing the exam conducted by NEU

Graduation Requirements

Students are entitled to graduation by fulfilling the conditions stated in the Faculty of Dentistry Undergraduate Registration, Education and Examination Regulation and also the requirements for education and training programs. Every student who completes 300 credits together with common compulsory courses and has a cumulative (general) academic success average above 2.00 is eligible to graduate.

Horizontal Transfer Conditions

Students who wish to transfer to Near East University Faculty of Dentistry are evaluated in terms of their transcript and language proficiency, and if deemed appropriate, based on the "Regulation Regarding the

Principles of Undergraduate Level Transfer Between Higher Education Institutions", the student is adapted to the relevant class by Faculty's Lateral-Vertical Transfer and Orientation Commission. Only full-time students are accepted.

Exams, Evaluation, and Grading

Exams

There are ten types of examinations: committee, mid-term, final, end-term general theoretical, practical committee, rotation, make-up, excused, exemption, and single-course examination. These exams can be written, oral or both written and oral and / or practical.

Committee Examination: It is performed by the committee supervisor after completing each committee and includes all courses within that committee. Anyone who has not attended the examination is considered to have received a mark of zero (0). The result of this exam is called “committee examination results”. Since the committee examination is multidisciplinary, the distribution of questions is decided by the committee supervisor depending on the hours of the courses of the committee. The supervisor of the committee collects the questions. The committee supervisor and Examination Coordination Commission are responsible for conducting committee examination. The evaluation is performed out of a mark of one hundred (100). The examination can be oral, written or applied. Every committee examination includes questions from different disciplines. The weighted average result of the committee examinations contributes 60% towards to Final Theoretical Grade.

Mid-terms: The number, content, form and evaluation criteria are decided by the Education Coordination Commission of the faculty along with the lecturer of the course with the condition of having at least one mid-term for the compulsory or elective course. The homework or other course-related projects can be regarded as a mid-term. A maximum of two mid-terms which are scheduled within the same year can be held in one day. Not attending the mid-term receives a score of zero (0) from the exam. The Examination Coordination Commission and the lecturer of the course are responsible for the execution of the mid-term.

Final Examination of Compulsory Mutual and Elective Courses: It is the exam that is done following the completion of every mutual compulsory or elective courses. There is only one exam for the final. The final exams of every term must be done within the term they are offered. The content, form and evaluation criteria are decided by the lecturer of the course. A maximum of two finals for 2 separate courses that are scheduled within the same year can be held in one day. Not attending the finals receives a score of zero (0) from the exam. The execution of the final exam is the responsibility of the lecturer of the course.

Theoretical Committee Final Exam: It is the final exam that includes all the committees provided throughout the academic year and is held done following the completion of all committees. In order to take the final exam,

the students must be an active student in the faculty and participate in at least 50% of each theoretical committee and 70% of entire theoretical committees. This exam consists of questions based on the rate of committee content distribution. The distribution of committee content is decided by the Education Coordination Commission. The coordinator of the related class and supervisors of the committees are responsible for the exam. The exam can be oral or written. Theoretical committee final examination includes questions from different disciplines. The student has to answer at least half of the total number of questions of each discipline in the related final examination. The result of the examination contributes 40% towards to Final Theoretical Grade.

Final theoretical grade is calculated as 60% of the weighted average of committee grades and 40% of their theoretical committee final exam, and is expressed as a letter grade. If a student fails in the examination, they are obligated to take the make-up examination. Theoretical Committee Final Exam is conducted in 2 sessions: (1) Basic Medical Sciences General Exam, (2) Clinical Sciences General Exam.

Practical Committee Final Exam: It is the practical examination within the related practical committee in a year. In order to take the practical committee exam, the students must be an active student in the faculty, must participate in at least 80% of all the courses within the practical committee, and must be successful in at least 50% of whole year practical average of each sub-committee. It is calculated as 50% of all the practical exams within a year as well as 50% of the practical final exam at the end of year and the results are graded in letter form. In order to be successful in a practical committee, the students' lowest grade from all practical sub-committees of all departments needs to be 50. If they fail, they are required to take the make-up examination for the department's practical committee. The student is required to retake the whole practical committee if they are unsuccessful.

Intern-ship Examination: 4th and 5th year students are required to take theoretical and/or practical examinations that are in accordance with appropriate criteria at the end of their internship decided by the related department. The theoretical exam can be oral and/or written. The students are required to achieve a passing grade at the end of the examination.

Make-up Exam: The make-up exams of the theoretical committee final exam, practical committee final exam, final examinations of elective and compulsory mutual courses, and intern-ship examinations are conducted at the end of the year. At least 15 days are provided between the final examination and its make-up. The students who were unsuccessful in the exams (with a mark of FF and/or FD) have to take the make-up exam and have to be successful. The students who have courses with a grade of DD and/or DC and have a cumulative average above 2.00 need to submit a request (petition) to the Dean's Office in order to attend make-up exam and increase their cumulative average. The students who have courses with a grade of DD and DC and have a cumulative average below 2.00 can take the make-up exam without submission of petition. If the Dean's Office approves, they may take the make-up exams. The theoretical exam can be oral and/or written. The

make-up exam's results replace that of the original exam. The results of the make-up exam are considered for students who take the exam in order to raise their grades. If the student has received a lower grade, the lower grade becomes the actual grade.

Excused Exam: Reasonable excuses can be accepted for all exams. However, the student needs to have a reasonable excuse with documentation and be approved by the Dean's Office. The students who do not take the exam when they have the right do so, with appropriate excuses, need to take their exams at the location, day and time decided by Dean's Office. Second chances are not given for excused exams.

Single Course Exams: It is a chance given to the 5th year students who have completed all other classes, fulfilled the attendance condition, but failed a single committee and practical/clinical application before the next academic year. If the student fails this exam, they are required to retake the related committee/class.

Evaluation

Every committee exam taken at the end of each committee gives committee grade results. The theoretical grade result of students for the entire year is calculated as 60% of their committee grades' average and 40% of their theoretical committee final exam. By this manner, the student has a single theoretical grade for the entire year and this grade is displayed on the transcript. When the year's academic success average is being calculated at the end of the year, ECTS credits are brought by the Education Coordination Commission for all the theoretical committees.

The average of the practical committee exam results is calculated to form the final result of the practical committee exam. This way, the student has a single practical grade for the entire year and this grade is displayed on the transcript. When the year's academic success average is being calculated at the end of the year, ECTS credits are brought by the Education Coordination Commission for the practical committees.

In addition to these, the average of the compulsory and the elective course results within the term are displayed on the transcript. The final results for the compulsory and elective courses are calculated as 40% of the average of mid-terms and 60% of the final exam. The resulting half numbers are rounded up to a full grade. The results are only displayed as letters on the transcript. In the 4th and 5th years, the internship results are calculated separately based on the internship exams and the grades the student received are displayed as letters on the transcripts.

The committees in the education program of the faculty are prerequisite committees and a promotion system is applied. A student who is unsuccessful in general theoretical committee and general practical committee cannot take the general theoretical or practical committees of next class. The student has to retake the unsuccessful committee in the next education year.

Grading

Score	Letter Grade	Coefficient
90-100	AA	4
85-89	BA	3.5
80-84	BB	3
75-79	CB	2.5
70-74	CC	2
60-69	DC	1.5
50-59	DD	1
49 and below	FF	0
I-Incomplete, S-Satisfactory, P-Pass, EX-Exempt, NA-Not Available		

One of the above-mentioned letters are given to the students for every class they have taken by the lecturers at the end of term. Coefficients and number equivalents of the letters out of 100 are also given.

Students' academic grade point average is calculated at the end of the year. To calculate the grade point average of a year's academic achievement (GPA); First of all, a student's general theoretical grade, general practical grade, compulsory mutual course grade (if applicable), and elective course grade (if applicable) are multiplied by ECTS credits. Other factors are collected and divided into the total annual credits (60 credits). This value is called the academic success grade point average of the year. Cumulative academic grade point (cGPA) is equal to the averages of all completed grade points.

Students whose cGPA is 2.00 or above are considered successful from courses other than those that they achieve grades of (FF). Students whose cGPA is below 2.00 are considered successful from courses they receive CC and above and unsuccessful in the courses they take in which they receive DC and DD. Students who receive (FF) are considered unsuccessful under any circumstances.

Occupational Profile of Graduates

Graduates with the title of dental surgeon can work in state-owned health institutions, hospitals and / or clinics as freelance physicians. Since they graduate with a master's degree, they can apply to different doctorate programs of universities or to become a specialist in a field through the "Dentistry Specialization Exam-DUS". Entry requirements for doctoral and specialist training vary from country to country.

Program Directors and Coordinators

Dean: Prof. Dr. M. Mutahhar ULUSOY

Head of Education Coordination Board: Prof. Dr. Nuran ULUSOY

Head of Integrated Education Sub-Commission: Prof. Dr. Sevcan KURTULMUŞ YILMAZ

Year 1 Coordinator: Assist. Prof. Dr. Cenk Serhan ÖZVEREL

Year 1 Assistant Coordinator (Turkish Program): Assist. Prof. Dr. Melis MISIRLI GÜLBEŞ

Year 1 Assistant Coordinator (English Program): Assist. Prof. Dr. Mohamad ABDULJALİL

Year 1 Practical Committee Coordinator (Turkish Program): Prof. Dr. Sevcan KURTULMUŞ YILMAZ

Year 1 Practical Committee Coordinator (English Program): Assoc. Prof. Dr. Simge TAŞAR FARUK

Year 2 Coordinator: Assoc. Prof. Dr. Özay ÖNÖRAL

Year 2 Assistant Coordinator (Turkish Program): Dr. Dilan KIRMIZI

Year 2 Assistant Coordinator (English Program): Assist. Prof. Dr. Ammar KAYSSOUN

Year 2 Practical Committee Coordinator (Turkish Program): Assist. Prof. Dr. Salim ONGUN

Year 2 Practical Committee Coordinator (English Program): Assoc. Prof. Dr. Özgür IRMAK

Year 3 Coordinator: Prof. Dr. Sevcan KURTULMUŞ YILMAZ

Year 3 Assistant Coordinator (Turkish Program): Assist. Prof. Dr. Burcu GÜNAL ABDULJALIL

Year 3 Assistant Coordinator (English Program): Assoc. Prof. Dr. Lokman Onur UYANIK

Year 3 Practical Committee Coordinator (Turkish Program): Assist. Prof. Dr. Fatma KERMEOĞLU

Year 3 Practical Committee Coordinator (English Program): Assist. Prof. Dr. Mhammed SALEH

Year 4 Coordinator: Assoc. Prof. Dr. Seçil AKSOY

Year 4 Assistant Coordinator (Turkish Program): Assoc. Prof. Dr. Levent VAHDETTİN

Year 4 Assistant Coordinator (English Program): Assist. Prof. Dr. Damla AKŞİT BIÇAK

Year 4 Internship Coordinator (Turkish & English Program): Assist. Prof. Dr. Meltem KÜÇÜK

Program Competencies

Knowledge (Theoretical, Factual)

PC 1. Has advanced theoretical and applied knowledge in basic medical sciences, clinical sciences and social sciences related to the profession of dentistry and applies them throughout his/her professional life.

PC 2. Defines the normal structure, functions and interactions of the human body, especially the mouth, jaws and teeth at the cell, tissue, organ and system level.

PC 3. Knows the systemic and local causes, signs and symptoms of oral, dental and jaw diseases; makes differential diagnosis and treatment planning.

PC 4. Knows the relationship between the systemic conditions of the patients and the mouth and surrounding tissues; evaluates laboratory tests and drug interactions and takes necessary precautions.

PC 5. Has information about all materials, tools, and devices used in the field of dentistry.

PC 6. Knows the legal responsibilities and ethical principles of the dentistry profession.

Skill (Cognitive, Applied)

PC 7. By using the theoretical knowledge and manipulation skills he/she has acquired in the field of dentistry, he/she applies the most ideal treatment to his/her patients individually or in cooperation with different disciplines, within the awareness of his/her own knowledge and limits, in the presence of diseases and anomalies concerning the mouth and surrounding tissues; directs the patient to specialist health personnel when necessary.

PC 8. Knows the risk factors of oral and dental health for the individual and society and the prevalence of diseases in the society, contributes to the prevention and reduction of diseases in children and adults with preventive practices; By participating in community oral and dental health programs and projects, he/she supports the state of health at different stages of life.

PC 9. Has a command of quality management processes; He/she provides ergonomic and safe working environments for himself/herself and other healthcare professionals by complying with infection control methods, radiation safety, and medical waste regulations.

PC 10. Establishes effective communication based on trust and respect with patients, their relatives, other healthcare personnel, and the society without discrimination on matters concerning language, religion, race, gender, socio-cultural, and economic status.

PC 11. Is conscious about keeping patient records in full, protecting the confidentiality of patient information and obtaining informed consent; protects patient rights.

PC 12. Follows up-to-date and evidence-based scientific data and biomedical innovations in order to continuously improve himself/herself by adopting the importance of lifelong learning; question the validity and accuracy of information with a critical thinking approach; By attending national and international congresses, courses and symposiums, he/she follows the innovations in his/her profession and communicates with his/her colleagues.

PC 13. Can reach the necessary information by using foreign languages, information communication technologies, library, and other databases.

PC 14. Can organize teamwork in the field of dentistry and other health fields, examine and evaluate the activities and developments of the employees under their responsibility by leading.

PC 15. Monitors the events on the agenda of the society and the world in health and other fields; is sensitive to universal issues such as environmental protection, democracy, human rights; express his/her thoughts effectively and become a role model for his/her colleagues and society.

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY - PROGRAM COMPETENCIES															
		PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
Turkey Higher Education Qualifications Framework (6th Level Undergraduate Education) Professional and Academic Weighted Health Core Competencies	**Knowledge (Theoretical, Factual)**															
	1	■	■	■	■	■							■	■		
	2	■											■	■		
	3												■	■		
	Skill (Cognitive, Applied)															
	1	■		■	■		■	■					■		■	
	2					■							■	■		
	3	■							■		■				■	
	4			■	■			■					■			
	Competencies															
	Ability to work independently and take responsibility															
	1							■	■						■	
	2			■	■			■	■						■	
	3														■	
	4												■	■		
	Learning competence															
	1	■											■			
	2												■	■		
	3												■	■		
	4	■						■					■			
	5												■	■		
	Communication and social activity															
	1							■	■		■					■
	2								■						■	
	3								■						■	■
	4													■		
	5													■		
	6													■		■
	7										■					■
	8										■			■		■
	9						■					■				
	Domain-specific competence															
	1						■		■		■		■		■	■
	2									■						
	3								■	■						■
	4						■			■	■	■				
	5															■
	6	■	■					■								
	7												■			
	8						■					■				

Course Lists

Program of Year 1

Type	Code	Course Name		ECTS
Compulsory	DTC100	Year 1 Theoretical Committees		28
		CS1	Introduction to Dentistry	
		CS2	Dental Anatomy and Morphology	
		CS3	Dental Tissues and Materials Science	
		BMS1	Cellular Basis of Life	
		BMS2	Tissue and Embryology	
		BMS3	Cardiovascular System and Respiratory System	
		BMS4	Gastrointestinal System and Metabolism	
		BMS5	Urogenital System and Endocrine System	
Compulsory	DPC100	Year 1 Practical Committee		10
Compulsory	YİT100	Turkish Language		4
Compulsory	AİT200	Ataturk's Principles and History of Turkish Revolution		4
Compulsory	ENG100	English		6
Compulsory	CAR100	Career Planning		2
Compulsory	CAM100	Campus Orientation		2
Elective	******	Elective Course 1 - Fall Semester		4

Program of Year 2

Type	Code	Course Name		ECTS
Compulsory	DTC200	Year 2 Theoretical Committees		24
		CS1	Diseases and Treatments of Dental Tissues I	
		CS2	Fixed Prosthetic Restorations	
		CS3	Diseases and Treatments of Dental Tissues II	
		CS4	Diseases and Treatments of Dental Tissues III	
		BMS1	Basics of Diseases I	
		BMS2	Central Nervous System	
		BMS3	Basics of Diseases II	
Compulsory	DPC200	Year 2 Practical Committees		20
		PC1	Restorative Dentistry	
		PC2	Endodontics	
		PC3	Prosthetic Dentistry	
		PC4	Oral and Maxillofacial Radiology	
Elective	******	Elective Course 1 - Fall Semester		4
Elective	******	Elective Course 2 - Fall Semester		4
Elective	******	Elective Course 3 - Spring Semester		4
Elective	******	Elective Course 4 - Spring Semester		4

Program of Year 3

Type	Code	Course Name		ECTS
Compulsory	DTB300	Year 3 Theoretical Committees		18
		CS1	Investigation	
		CS2	Removable Dentures	
		CS3	Periodontal Treatment	
		CS4	Diseases and Treatments of Dental Tissues IV	
		CS5	Local anesthesia	
		CS6	Diseases and Treatments of Dental Tissues V	
		CS7	Systemic Diseases	
		CS8	Orthodontic Approaches	
		CS9	Oral and Maxillofacial Surgery	
Compulsory	DPB300	Year 3 Practical Committees		34
		PC1	Restorative Dentistry	
		PC2	Prosthetic Dentistry	
		PC3	Endodontics	
		SPC1	Restorative Dentistry	
		SPC2	Prosthetic Dentistry	
		SPC3	Orthodontics	
		SPC4	Anesthesia	
		SPC5	Periodontology	
		SPC6	Pediatric Dentistry	
Elective	******	Elective Course 1 - Fall Semester		4
Elective	******	Elective Course 2 - Spring Semester		4

Program of Year 4

Type	Code	Course Name		ECTS
Compulsory	DTC400	Year 4 Theoretical Committees		16
		CS1	Pediatric Dentistry and Orthodontics	
		CS2	Color and Aesthetics	
		CS3	Community Oral and Dental Health	
		CS4	Advanced Stages in Prosthetic Dentistry	
		CS5	Temporomandibular Joint, Trauma, and Pain	
		CS6	Advanced Surgical Approaches	
		CS7	Orofacial Infection and Malignancies	
		MS	Medical Sciences: Biostatistics and Ethics	
		BMS	Basic Medical Sciences: Oral Microbiology and Biochemistry	
		Year 4 Clinical Internships		
Compulsory	DCI401	Oral and Maxillofacial Surgery		4
	DCI402	Oral and Maxillofacial Radiology		4
	DCI403	Endodontics		4
	DCI404	Orthodontics		2
	DCI405	Pediatric Dentistry		4
	DCI406	Periodontology		2
	DCI407	Prosthodontics		4
	DCI408	Restorative Dentistry		4
Elective	******	Elective Course 1 - Fall Semester		4
Elective	******	Elective Course 2 - Fall Semester		4
Elective	******	Elective Course 3 - Spring Semester		4
Elective	******	Elective Course 4 - Spring Semester		4

Program of Year 5

Type	Code	Course Name		ECTS
Compulsory	DTC500	Year 5 Theoretical Committees		8
		CS1	Geriatrics and Maxillofacial Prosthesis	
		CS2	Current Approaches and Oral Implantology	
		CS3	Quality in Health Services and Clinic Management	
		CS4	Research Techniques and Presentation	
		CMS I	Clinical Medical Sciences I	
		CMS II	Clinical Medical Sciences II	
Compulsory	DCI501	Oral and Maxillofacial Surgery		4
	DCI502	Oral and Maxillofacial Radiology		4
	DCI503	Endodontics		4
	DCI504	Orthodontics		2
	DCI505	Pediatric Dentistry		4
	DCI506	Periodontology		2
	DCI507	Prosthetic Dentistry		4
	DCI508	Restorative Dentistry		4
Elective	******	Elective Course 1 - Fall Semester		4
Elective	******	Elective Course 2 - Fall Semester		4
Elective	******	Elective Course 3 - Fall Semester		4
Elective	******	Elective Course 4 - Spring Semester		4
Elective	******	Elective Course 5 - Spring Semester		4
Elective	******	Elective Course 6 - Spring Semester		4

Courses and Contents

Year 1

In the first year of their education, our students will complete the compulsory theoretical committees consisting of clinical sciences and basic medical sciences courses, the compulsory practical committee aiming to develop their knowledge regarding the anatomy of teeth and manipulation skills, and common compulsory courses (Turkish Language, Ataturk's Principles and History of Turkish Revolution, and English). Students take 2 elective courses (one for fall and one for spring semester) chosen by themselves in accordance with their interests from elective course pool.

DTC100 Year 1 Theoretical Committees

Course Type	Course Code	Course Name	Theoretical Course Hour	Practical Course Hour	ECTS
Mandatory	DTC100	Year 1 Theoretical Committees	396	26	28
Language of Course	**Course Level**	**Education Medium**	**Prerequisites**	**Lecturer in Charge**	
English	Undergraduate	Face to Face	**x**	Assist. Prof. Dr. Cenk Serhan Özverel	

Aim

Introducing the departments of dentistry; giving information about the historical development of dentistry; teaching emergencies encountered in dentistry; teaching behavioral sciences in terms of dentistry; explaining the morphology of deciduous and permanent teeth, dental terminology, dental tissue and materials used in dentistry; biochemistry, histology, anatomy and physiology of cells, tissues, organs and systems; teaching the relationships of systems with each other, control mechanisms and their relations with diseases.

Subcommittees

Code of Subcommittee	T + P	ECTS	Name of Subcommittee
CS1	47	3	Introduction to Dentistry
CS2	19	2	Dental Anatomy and Morphology
CS3	22	2	Dental Tissues and Material Science
BMS1	80	5	Cellular Basis of Life
BMS2	79 +8	5	Tissue and Embryology
BMS3	53 +8	4	Cardiovascular System and Respiratory System
BMS4	51+4	4	Gastrointestinal System and Metabolism
BMS5	45+6	3	Urogenital System and Endocrine System

CS-1 Introduction to Dentistry

(DTC100 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY			
COMMITTEE DESCRIPTION FORM			
Type of Committee	**Code of Committee**	**Name of Committee**	**ECTS**
Clinical Sciences	CS-1	Introduction to Dentistry	3
Theoretical (Hour)	**Practical (Hour)**	**Committee Coordinator**	
48	Nothing to Declare	Assist. Prof. Burcu Günal Abduljalil	

Aim of the Committee

Introduction to the departments, obtaining general information about the stages of dentistry to date, obtaining information about the instruments and devices used in dentistry, teaching what to do in an emergency situation and giving information that can help with interventions in the necessary situations, and to give information about the interventions in oral and dental care. Oral hygiene habits; to develop an individual's observations of themselves, his/her life and his/her environment with systematic knowledge.

Learning Objectives

LO1	Knows the working areas of dentistry departments.
LO2	Gains knowledge about the evolution of dentistry.
LO3	Knows the tools and devices used in diagnosis and treatment in dentistry.
LO4	Understands emergency situations and makes the necessary intervention and guidance.
LO5	Knows the methods and materials used in oral hygiene
LO6	Recognize the personality traits of individuals

Content

Department	**Course Title**	**Hour**
Dean's Office	Orientation, General Rules and Regulation	2
All Departments	Introduction to Departments of Dentistry	8
History of Dentistry		
Oral and Maxillofacial Surgery	Dentistry in Prehistoric and Ancient Ages (Mesopotamia, Egypt, Phoenician, Hittite, Greeks, Maya, Inca, China, Japan, India)	2
Oral and Maxillofacial Radiology	Dentistry in Middle Aged Islamic Culture	1
Endodontics	Dentistry in Medieval (Europe)	1
Orthodontics	Dentistry in New Age	1
Pedodontics	Dentistry in Near Age	1
Periodontology	Dentistry in Modern Age	1
Prosthodontics	Development of Dentistry in Turkey	1
Restorative Dentistry	Dental Organizations	1
Periodontology	The Place of Women in Dentistry	1
Tools and Devices Using in Dentistry		
Endodontics	Dental hand tools	1
Oral and Maxillofacial Radiology	Diagnostic Dental Instruments	1
Restorative Dentistry	Instruments used in operative dentistry	1
First Aid and Emergency		
First Aid and Emergency	General approach to trauma	1
	Examination of vital findings	1
	Airway management, respiratory system emergencies, foreign body aspirations	1
	Shock description and types	1
	Basic life support and advanced cardiac support	1
	Hypersensitivity reactions	1
	Fever management, acid-base balance management	1
Oral Hygiene		
Periodontology	Providing oral hygiene and tooth brushing techniques	2
Behavioral Sciences		
Behavioral Sciences	Introduction to behavioral sciences and basic concepts	1
	Behavioral science research methods	1
	Anthropology, Sociology, Psychology	1
	Learning - Motivation	1
	Personality	1
	Perception	1
	Attitudes	1
	Groups	1
	Conflict	1
	Self Defense Mechanisms	1
	Topographic Model	1

	Structural Model	1
	Culture	1
	Social Behavior and Organizations	1
	Behavioral Neurobiology	1
	Attachment Theory, Modeling	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
	Discussion		Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Diş Hekimliği Tarihi. Doç. Dr. Ahmet Efeoğlu, Med. Dent. İ.Ü. Diş Hekimliği Fakültesi, İstanbul, 1992.
2	Dentistry. Illustrated History. Malvin E. Ring, 1993 Ed. Abradale Press. Harry N. Abrams, INC Publishing
3	Anusavice K. Philips. Science of Dental Materials. 2003. 11th Ed.
4	Temel ilk yardım. Prof. Dr. L. Bikem Süzen. Betray Yayıncılık. 1. baskı. 2011.
5	Newman M, Takei H, Klokkevold P, Carranza F. Carranza's Clinical Periodontology, 12th Ed., Elsevier, 2014.
6	Prof. Dr. Feyzullah Eroğlu, "Davranış Bilimleri" Beta Yayınları, 4. Baskı

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework	X	Mid-term/Quiz
	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15
LO1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO3	2	1	1	1	3	1	1	1	1	1	1	1	1	1	1
LO4	2	1	1	1	1	1	3	1	1	1	1	1	1	1	1
LO5	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
LO6	2	1	1	1	1	1	1	1	1	3	1	1	1	1	2

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration (hour)	Total workload (hour)
Theoretical Course Hour	48	1	48
Preparation for the Course	46	0,5	23
Preparation to the committee exam	1	5	5
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	5	5
Final Theoretical Exam	1	1	1
		Total workload	83
		Total workload / 25	83/25
		ECTS credits	3

CS-2 Dental Anatomy and Morphology

(DTC100 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-2	Dental Anatomy and Morphology	2

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
20	Nothing to Declare	Assoc. Prof. Özay Önöral

Aim of the Committee

To teach the terminology; axes and planes used in dentistry; tooth notation systems; the crown, root and pulp anatomy of permanent and primary teeth; explaining the inter-arch and intra-arch relationship of the teeth; way of eruptions of primary and permanent teeth.

Learning Objectives

LO1	Uses terminology to identify dental and surrounding tissues
LO2	Notify teeth according to different notation systems
LO3	Knows crown-root morphology and pulp anatomy of maxillary and mandibular permanent teeth
LO4	Understands the relationship between teeth in the same and opposite arch.
LO5	Learns the morphological features of primary teeth and distinguishes them from permanent teeth
LO6	Understands the eruption of primary and permanent teeth.

Content

Department	Course Title	Hour
Prosthetic Dentistry	Introduction to Dental Anatomy and Terminology	2
Oral and Maxillofacial Radiology	Dental Notation Systems	1
Permanent Teeth		
Prosthetic Dentistry	Morphology of maxillary central and lateral teeth	2
	Morphology of mandibular central and lateral teeth	1
	Morphology of maxillary and mandibular canine teeth	1
	Morphology of maxillary premolar teeth	1
	Morphology of mandibular premolar teeth	1
	Morphology of maxillary I. molar teeth	1
	Morphology of mandibular I. molar teeth	1
	Morphology of maxillary and mandibular II. molar teeth	1
	Morphological evaluation of inter-arch and intra-arch positions of permanent teeth	2
Endodontics	Pulp anatomy of permanent teeth	2
Primary Teeth		
	Morphological features of primary teeth	2
	Features of primary dentition	1
	Eruption of primary and permanent teeth	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
	Discussion		Practical / İmplementation		preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Nelson SJ, Ash MM. Wheeler's Dental Anatomy, Physiology and Occlusion, Elsevier, 2010
2	Marwah, N. (2009). Textbook of Pediatric Dentistry, Jaypee Publishing.
3	Course Material

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework	X	Mid-term/Quiz
	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15
LO1	3	3	1	2	1	1	1	1	1	1	1	1	1	1	1
LO2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
LO3	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1
LO4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO5	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1

LO6	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation			
Activities	Number	Duration (hour)	Total workload (hour)
Theoretical Course Hour	20	1	20
Preparation for the Course	20	0,5	10
Preparation to the committee exam	1	10	10
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	5	5
Final Theoretical Exam	1	1	1
		Total workload	47
		Total workload / 25	47/25
		ECTS credits	2

CS-3 Dental Tissues and Material Science

(DTC100 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-3	Dental Tissues and Material Science	2

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
22	Nothing to Declare	Assist. Prof. Laden GÜLEÇ ALAGÖZ

Aim of the Committee

To have knowledge about the materials to be used in applied courses and the terminology related to the materials; to have knowledge about the development, histology and physiology of the tooth and the surrounding tissues in the oral cavity and the process of tooth application.

Learning Objectives

LO1	To be able to explain the basis of material science and use its terminology.
LO2	To be able to explain the structural and physical properties of materials used in practical applications.
LO3	To be able to explain the development of dental tissues and associate them with the factors affecting their development.
LO4	To be able to explain the eruption theories of the tooth.
LO5	To be able to explain and relate the histology and physiology of teeth and the surrounding tissues.

Content

Department	Course Title	Hour
Material Science		
Prosthodontics	Material Science and Technology	2
	Gypsum and Its Products	1
	Dental Waxes	1
	Acrylic Resins	1
	Metals and Alloys	1
Dental Tissues		
Pedodontics	Eruption Theories	1
	Physiologic Tooth Resorption	1
	Factors that Affect Tooth Development	1
Histology and Embryology	Embryology of Tooth	2
Restorative Dentistry	Histology of Enamel	2
	Histology of Dentin	1
Periodontology	Cementum	1
	Periodontal Ligament	1
	Alveolar Bone	1
	Connective Tissue	1
	Gingiva and Oral Mucosa	1
Endodontics	Histophysiology of Pulp	1
	Periapical Tissues	2

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
	Discussion		Practical / İmplementation		preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Sakaguchi, R. L., & Powers, J. M. (2012). Craig's Restorative Dental Materials. Elsevier Health Sciences.
2	Anusavice, K. J., Shen, C., & Rawls, H. R. (2012). Phillips' science of dental materials. Elsevier Health Sciences.
3	Berkovitz, B. K., Holland, G. R., & Moxham, B. J. (2017). Oral Anatomy, Histology and Embryology. Elsevier Health Sciences.
4	Lindhe, J. (1984). A textbook of clinical periodontology, WB Saunders Company.
5	Carranza, F. A. & Glickman, I. (1979). Glickman's Clinical Periodontology, Saunders.
6	Marwah, N. (2009). Textbook of Pediatric Dentistry, Jaypee Puplishing.
7	Zohrabian, V. M., Poon, C. S., & Abrahams, J. J. (2015, October). Embryology and anatomy of the jaw and dentition. In Seminars in Ultrasound, CT and MRI (Vol. 36, No. 5, pp. 397-406). WB Saunders.
8	Manisalı, Y. ve Koray, F. (1982). Ağız-Diş Embriyoloji ve Histolojisi. İstanbul: Yenilik Basımevi.
9	Roberson, T. M., Heymann, H. O., Switz, E. J., Bayne S. C., Crawford, J.J., Leonard, R.H. ve diğerleri. (2006). Sturdevant's Art and Science of Operative Dentistry. (S. Gürgan, K. Akça, Y. H. Bağış, M. Başeren, F. Y. Çakır, E. U. Çelik ve diğerleri , Çev.) Ankara: Güneş Tıp Kitabevleri, 2011.

10	Garg, N., Garg, A., Amita, Chandra, A., Dinghra, A., Singh, A. ve diğerleri. (2013). Textbook of Operative Dentistry. Hindistan: Jaypee Brothers Medical Publishers (P) Ltd.
11	Sabel, N. (2012). Enamel of primary teeth-morphological and chemical aspects. Swedish Dental Journal, 222: 1-77.
12	Zheng, L., Ehardt, L., McAlpin, B., Kim, D., Papagerakis, S., & Papagerakis, P. (2014). The tick tock of odontogenesis. Experimental cell research, 325(2), 83-89.
13	Alaçam, T. (2012). Endodonti. Adana: Nobel Yayınevi
14	Hargreaves, K. M., & Berman, L. H. (2015). Cohen's Pathways of the Pulp. Elsevier Health Sciences.
15	Course Material

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15
LO1	3	1	1	1	4	1	1	1	1	1	1	1	1	1	1
LO2	3	1	1	1	4	1	1	1	1	1	1	1	1	1	1
LO3	3	3	1	1	1	1	1	2	1	1	1	1	1	1	1
LO4	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO5	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration (hour)	Total workload (hour)
Theoretical Lectures	14	1	22
	4	2	
Preparation to the committee exam	22	0,5	11
Mid-term/Quiz	1	10	10
preparation to end of year general practical examination	1	5	5
End of year general practical examination	1	1	1
		Total workload	50
		Total workload / 25	50/25
		ECTS credits	2

BMS-1 Cellular Basis of Life

(DTC100 Theoretical Committees- Basic Medical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY COMMITTEE DESCRIPTION FORM			
Type of Committee	**Code of Committee**	**Name of Committee**	**ECTS**
Basic Medical Sciences	BMS-1	Cellular Base of Life	5

Total Hour of Theoretical Courses	**Total Hour of Practical Courses**	**Lecturer in Charge**
82	10	Assist. Prof. Melis Mısırlı Gülbeş

Aim of the Committee

To examine the biochemical structure of the basic components of the cell that form the base of life, the histological, anatomical, physiological structure of the cell, cellular anomalies that transferred by genetic information and to introduce the basic structure of microorganisms to basic medical sciences.

Learning Outcomes

LO1	Learns organic chemistry, chemical reactions, organic compounds, amino acids, carbohydrates, lipids and proteins.
LO2	Understands physiological control systems, homeostasis, cell membrane and dynamics
LO3	Learns cell histology and histochemical techniques
LO4	Learns the Latin terminology and skeletal system.
LO5	Understands genetic information, structure of DNA and RNA, basic principles of cell division and inheritance
LO6	Learns the general concepts in microbiology.

Content

Department	**Name of Course**	**Hour**
Biochemistry	Introduction to organic chemistry, atom and molecule concept and hybridization	2
	Chemical bonds	2
	Organic chemical reactions	2
	Hydrocarbons	2
	Aromatic compounds	2
	Oxygenated organic compounds	2
	Nitrogenous organic compounds	2
	Amino acids and derivatives	2
	Carbohydrates	2
	Lipids	2
	Nucleic acids	2
	Proteins	2
Physiology	Introduction to physiology	1
	Physiological control systems and homeostasis	2
Biophysics	Diffusion and osmosis of molecules from cell membrane	2
Histology and Embryology	Introduction to the science of histology and embryology	1
	Microscope types and histochemical techniques	1
Anatomy	Introduction to the anatomy, Latin terminology	2
Physiology	Properties of body fluid	1
Histology and Embryology	Cell	3
Medical Biology and Genetics	Introduction to molecular cell biology	2
	Signal mechanism of cell components	2
	Genetic information, structure of DNA, structure of RNA, chromatin structure	3
	Central dogma and DNA replication	2
	RNA transcription	1
	Genetic information flow, protein synthesis	2
	Cell cycle	2
	Cell divisions	3
	Chromosomal abnormalities	2
	Mutagenesis	2
Microbiology	Introduction to medical microbiology	1
	Prokaryotes, eukaryotes and non-cellular microorganisms	3
	Classification, structure and proliferation of microorganisms	2
Medical Biology and Genetics	Basic principles of inheritance / Mendelian Inheritance	2
	Basic principles of inheritance / Non-Mendelian Inheritance	2
Physiology	Cell membrane and dynamics	1
	Bioelectricity and potentials	2
Anatomy	General information about bones	1

	Upper extremity bones	2 + 2P
	Lower extremity bones	2 + 2P
	Neurocranium	2 + 2P
	Viscerocranium	2 + 2P
	Skull	2 + 2P

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
X	Discussion	X	Practical / İmplementation		Preparing / Presenting Reports
X	Question & Answer		Case Study		Team / Group Work
X	Observation		Problem / Problem Solving		Brainstorming

Course Resources

1	Doku Biyokimyası, Prof. Dr. Tamer Yılmaz, Yakın Doğu Üniversitesi Yayınları
2	Stanford Jr. Al. Foundations of Biophysisc. Academic Press, New York. Ch:2
3	Sybesma C. An Introduction to Biophysics. Academic Press, New York. Ch:3, 4.
4	Junqueira Temel Histoloji Konu ve Atlas, Anthony L. Mescher, Güneş Tıp Kitabevleri
5	BRS Hücre Biyolojisi ve Histolojisi, Leslie P. Gartner, James L. Hiatt, Güneş Tıp Kitabevleri
6	Histoloji konu anlatımı ve atlas, Michael H. Ross, Nobel Kitabevi
7	John E. Hall, Textbook of Medical Physiology, Thirteenth edition, ELSEVIER
8	K. Sembulingam and Prema Sembulingam, Essentials of Medical Physiology, Seventh edition
9	Review of Medical Physiology, 26th edition, LANGE
10	Gray's Anatomy, Richard L. Drake, A. Wayne Vogl, Adam W. M. Mitchell, Nobel Kitabevi

Quantification and Consideration

X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
X	Practical / İmplementation		Presentation	X	Committee Exam

Contribution of Learning Outcome to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 3	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1
LO 4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 5	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1
LO 6	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1
Contribution level:	1: No			2: Poor			3: Moderate			4: Good			5: Very Good		

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	82	1	82
Preparation for the Course	82	0,5	41
Preparation for the Committee Exam	1	7	7
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	2	2
Final Theoretical Exam	1	1	1
		Total Workload	134
		Total Workload / 25	134/25
		ECTS Credits	5

BMS-2 Tissue and Embryology

(DTC100 Theoretical Committees- Basic Medical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Basic Medical Sciences	BMS-2	Tissue and Embryology	5

Total Hour of Theoretical Courses	Total Hour of Practical Courses	Lecturer in Charge
80	8	Assist. Prof. Aylin İslam

Aims

To teach the general properties of different tissue types of the human body; knowledge about upper and lower extremity muscles and joints; to teach the general anatomical features of the neural system and physiology and biophysics of the mechanisms of these systems.

Learning Outcomes

LO1	Describes the tissue, knows the histological features of the basic tissue types and distinguishes them from each other
LO2	Learns the action potential in cells and the electrical model of cell membranes
LO3	Understands the role of enzymes in chemical reactions that occur in cells, the structure of intercellular fluid and the role of inorganic compounds in living organisms
LO4	Learns the anatomical features and functions of the face, neck, upper and lower extremity joints and muscles
LO5	Learns about the general physiology of the muscle and nerve systems
LO6	Learns the chemical structure of muscle tissue
LO7	Learns the anatomy and general features of the autonomic and peripheral nervous system
LO8	Explains the dynamics of muscle contraction
LO9	Learns embryological terminology, development of germ cells, embryological changes in the first, second and third weeks.
LO10	Knows the formation of fetal membranes and placenta and types of congenital anomalies

Content

Department	Name of Course	Hour
Histology and Embryology	A general overview of tissues	1
	Surface epithelium	2
Biophysics	Membrane model and origin of membrane potential	2
	Characteristics of excitable membranes	1
Histology and Embryology	Glandular epithelium	1
Biophysics	Ion channels and exchange kinetics	2
Histology and Embryology	The connective tissue cells and ground substances	1
	Connective tissue types	1
	Adipose tissue	1
Biochemistry	Enzymes	3
	Extracellular matrix biochemistry	2
Anatomy	General information about joints	1
	Upper extremity joints	1 + 2P
	Lower extremity joints	1 + 2P
	Joints of the skull and temporomandibular joint	1 + 2P
Histology and Embryology	Cartilage tissue	2
Biophysics	Fundamentals of Radiation Biophysics and Radiation Damage	2
	Imagine Techniques	2
Histology and Embryology	Bone tissue	1
	Osteogenesis and bone resorption	1
	Muscle tissue	2
Physiology	Physiology of nerve tissue	1
	Central nerve physiology	1
	Peripheral nerve physiology	1
	Synaptic impulse	1
	Nerve tissue mediators	1
Anatomy	Autonomic nervous system	2
	Peripheral nervous system (whole body)	2
Physiology	General features of the autonomic nervous system	2
Biophysics	Potential action from nerve cell	2
Physiology	Striated muscle physiology	3
Biophysics	Electrical model of nerve cell membrane	2
Physiology	Smooth muscle physiology	1
Anatomy	General information about muscles	1

	Upper extremity muscles	1 + 2P
	Lower extremity muscles	1 + 2P
	Neck muscles	2 + 2P
	Facial muscles and muscles of mastication	2 + 2P
Biochemistry	Muscle biochemistry	3
Biophysics	EEG	2
	Mechanism of muscle contraction and EMG	2
Histology and Embryology	Nervous tissue	2
	Introduction to Embryology and terminology	1
	Gametogenesis: Oogenesis and ovarian cycle	1
	Gametogenesis: Spermatogenesis	1
	First week of human development	1
	Second week of human development: bilaminar germ disc	2
	Third week of human development: trilaminar germ disc	2
	The fetus and placenta	2
	Human birth defects, teratogens	2
Biochemistry	Biochemistry of inorganic compounds	2

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
X	Discussion	X	Practical / İmplementation		Preparing / Presenting Reports
X	Question & Answer		Case Study		Team / Group Work
X	Observation		Problem / Problem Solving		Brainstorming

Course Resources

1	Doku Biyokimyası, Prof. Dr. Tamer Yılmaz, Yakın Doğu Üniversitesi Yayınları
2	Stanford Jr. Al. Foundations of Biophysisc. Academic Press, New York. Ch:2
3	Sybesma C. An Introduction to Biophysics. Academic Press, New York. Ch:3, 4.
4	Junqueira Temel Histoloji Konu ve Atlas, Anthony L. Mescher, Güneş Tıp Kitabevleri
5	BRS Hücre Biyolojisi ve Histolojisi, Leslie P. Gartner, James L. Hiatt, Güneş Tıp Kitabevleri
6	John E. Hall, Textbook of Medical Physiology, Thirteenth edition, ELSEVIER
7	K.Sembulingam and Prema Sembulingam, Essentials of Medical Physiology, Seventh edition
8	Gray's Anatomy, Richard L. Drake, A. Wayne Vogl, Adam W. M. Mitchell, Nobel Kitabevi

Quantification and Consideration

X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
X	Practical / İmplementation		Presentation	X	Committee Exam

Contribution of Learning Outcome to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 3	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 4	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 5	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 6	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 7	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 8	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 9	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 10	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1

Contribution level:	1: No	2: Poor	3: Moderate	4: Good	5: Very Good

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	80	1	80
Preparation for the Course	80	0,5	40
Preparation for the Committee Exam	1	10	10
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	2	2
Final Theoretical Exam	1	1	1
		Total Workload	132
		Total Workload / 25	132/25
		ECTS Credits	5

BMS-3 Cardiovascular and Respiratory System

(DTC100 Theoretical Committees- Basic Medical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Basic Medical Sciences	BMS-3	Cardiovascular System and Respiratory System	4

Total Hour of Theoretical Courses	Total Hour of Practical Courses	Lecturer in Charge
55	8	Dr. Mohamad Abduljalil

Aims

An overview of the circulatory system and respiratory system, understanding the biochemical, physiological, histological and anatomical features of the systems in detail, and examining the subunits that make up the systems in detail.

Learning Outcomes

LO 1	Gains detailed knowledge of blood cells, their functions and transfusion reactions, starting from the stem cell.
LO 2	Understands heart anatomy, physiology and electrical conduction system.
LO 3	Understands the role of the heart in the circulatory system.
LO 4	Gains knowledge of special circulation systems.
LO 5	Learns the respiratory system, the processes and electrical model of respiratory organs.

Content

Department	Name of Course		Hour
Histology and Embryology	Hematopoiesis and stem cells	1	
	Peripheral blood cells	2	
Physiology	The functions and physical and chemical properties of blood	1	
	Erythrocyte functions	1	
Biochemistry	Water and water metabolism	2	
	Blood biochemistry	2	
Physiology	Leukocyte functions	2	
	Functions of platelets and clotting	1	
	Blood transfusion reactions	1	
Biophysics	Hemodynamic principles	2	
Anatomy	Location, projection and outer surface of the heart and pericardium	1	2
	The interior, arteries and veins of the heart	1	2
	Aorta, Pulmonary Trunk, Superior Caval Vein, Pulmonary, Systemic and Fetal circulation	1	2
	Arteries and veins of head, neck and upper extremity	2	2
	Arteries and veins of thorax, abdomen, pelvis and lower extremity	2	2
Histology and Embryology	Cardiovascular histology	2	
Physiology	Hemodynamics and general principles of circulation	1	
	Physiological characteristics of the cardiac muscle	1	
	Cardiac cycle and pressure-volume loop analysis	2	
Biophysics	Cardiac action potential and ECG	2	
Physiology	Regulation of arterial blood pressure	2	
Biophysics	Electrical simulation of the Circulatory System	2	
Physiology	Shock	1	
	Special circulation systems	1	
Histology and Embryology	Primary lymphoid organs	1	
	Secondary lymphoid organs	1	
Anatomy	Nasal cavity and paranasal sinuses	1	2
	Larynx	1	
	Thoracic cavity, diaphragm and mediastinum	1	2
	Trachea, pleura and lungs	1	
Histology and Embryology	Respiratory system	2	
Physiology	Introduction to respiratory physiology, respiratory mechanics	2	
	Gas exchange in the lungs, ventilation-perfusion relationships	2	
	Respiratory cycle	1	
	Regulation of respiration	2	
Biophysics	Electrical simulation of respiratory system	2	
	Perception and Psychophysical laws	2	

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
X	Discussion	X	Practical / Implementation		Preparing / Presenting Reports
X	Question & Answer		Case Study		Team / Group Work
X	Observation		Problem / Problem Solving		Brainstorming

Course Resources

1	Tissue Biochemistry, Prof. Dr. Tamer Yılmaz, Near East University Publications
2	Stanford Jr. Al. Foundations of Biophysisc. Academic Press, New York. Ch:2
3	Sybesma C. An Introduction to Biophysics. Academic Press, New York. Ch:3, 4.
4	Junqueira Temel Histoloji Konu ve Atlas, Anthony L. Mescher, Güneş Tıp Kitabevleri
5	BRS Hücre Biyolojisi ve Histolojisi, Leslie P. Gartner, James L. Hiatt, Güneş Tıp Kitabevleri
6	Histoloji konu anlatımı ve atlas, Michael H. Ross, Nobel Kitabevi
7	John E. Hall, Textbook of Medical Physiology, Thirteenth edition, ELSEVIER
8	K. Sembulingam and Prema Sembulingam, Essentials of Medical Physiology, Seventh edition
9	Review of Medical Physiology, 26th edition, LANGE
10	Gray's Anatomy, Richard L. Drake, A. Wayne Vogl, Adam W. M. Mitchell, Nobel Kitabevi

Quantification and Consideration

X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
X	Practical / İmplementation		Presentation	X	Committee Exam

Contribution of Learning Outcome to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 5	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1
Contribution level:	1: No			2: Poor			3: Moderate			4: Good			5: Very Good		

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	52	1	52
Practical Course Hours	8	1	8
Preparation for the Course	52	0.5	26
Preparation for the Committee Exam	1	5	5
Committee Exam	1	2	2
Preparation for the Final Theoretical Exam	1	5	5
Final Theoretical Exam	1	0,4	0,4
		Total Workload	98,4
		Total Workload / 25	98,4/25
		ECTS Credits	4

BMS-4 Gastrointestinal System and Metabolism

(DTC100 Theoretical Committees- Basic Medical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Basic Medical Sciences	BMS-4	Gastrointestinal System and Metabolism	4

Total Hour of Theoretical Courses	Total Hour of Practical Courses	Lecturer in Charge
50	4	Assist. Prof. Dr. Mehmet Gagari Caymaz

Aims

Understanding the detailed biochemical, physiological, histological and anatomical features of the gastrointestinal system and metabolism, and examining the subunits that make up the systems in detail.

Learning Outcomes

LO1	Knows the general structure and functions of the digestive system.
LO2	Gains knowledge of the regulation of the digestive system.
LO3	Have information about the general functions of vitamins and their place in diseases.
LO4	Knows the importance of gastrointestinal digestion and absorption.
LO5	Understands different nutrients and digestive ways

Content

Department	Name of Course	Hour
Histology and Embryology	Pharyngeal complex, development of the head and neck	1
Physiology	Introduction to digestive physiology, mastication and deglutition	2
Histology and Embryology	Oral cavity and salivary glands	2
Physiology	Gastrointestinal motility	2
	What is nutrition and why digestion, absorption and transport of nutrients are important	2
Biochemistry	Vitamins, water soluble vitamins	3
	Secretory functions of the gastrointestinal system	1
	Structure, contents and functions of the saliva	1
Physiology	Taste perception and sensory receptors	2
	Vitamins, fat soluble vitamins	2
	Bioenergetics	1
	Digestion and absorption of carbohydrates	1
	Glycolysis and TCA cycle	2
Biochemistry	Glycogenesis and Glycogenolysis	1
	Other ways of carbohydrate metabolism	3
	Digestion and absorption of lipids	2
	Synthesis of fatty acids and beta oxidation	2
	Cholesterol metabolism	2
	Oral cavity and related structures	2 + 2P
	Pharynx and esophagus	1 + 2P
	Stomach, pancreas and spleen	1
	Liver and gall bladder	1 + 2P
	Small and large intestines	1 + 2P
Anatomy	Anterior abdominal wall and peritoneum	1
	General histological structure of digestive tract	1
Histology and Embryology	Digestive system	2
Physiology	Gastrointestinal digestion	1
Histology and Embryology	Glands related with the digestive tract	1
	Disorders of fat and cholesterol metabolism	2
	Ketone bodies and alcohol metabolism	1
Biochemistry	Digestion and absorption of proteins	1
Physiology	Gastrointestinal absorption	1
	Protein metabolism	2
	Amino acid metabolism	3
	Biogenamins	2
Biochemistry	Digestive hormones	2

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management

X	Discussion	X	Practical / İmplementation		Preparing / Presenting Reports
X	Question & Answer		Case Study		Team / Group Work
X	Observation		Problem / Problem Solving		Brainstorming

Course Resources

1	Doku Biyokimyası, Prof. Dr. Tamer Yılmaz, Yakın Doğu Üniversitesi Yayınları
2	Stanford Jr. Al. Foundations of Biophysisc. Academic Press, New York. Ch:2
3	Sybesma C. An Introduction to Biophysics. Academic Press, New York. Ch:3, 4.
4	Junqueira Temel Histoloji Konu ve Atlas, Anthony L. Mescher, Güneş Tıp Kitabevleri
5	BRS Hücre Biyolojisi ve Histolojisi, Leslie P. Gartner, James L. Hiatt, Güneş Tıp Kitabevleri
6	Histoloji konu anlatımı ve atlas, Michael H. Ross, Nobel Kitabevi
7	John E. Hall, Textbook of Medical Physiology, Thirteenth edition, ELSEVIER
8	K.Sembulingam and Prema Sembulingam, Essentials of Medical Physiology, Seventh edition
9	Review of Medical Physiology, 26th edition, LANGE
10	Gray's Anatomy, Richard L. Drake, A. Wayne Vogl, Adam W. M. Mitchell, Nobel Kitabevi

Quantification and Consideration

X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
X	Practical / İmplementation		Presentation	X	Committee Exam

Contribution of Learning Outcome to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 3	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1
LO 4	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 5	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1

Contribution level:	1: No	2: Poor	3: Moderate	4: Good	5: Very Good

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	52	1	52
Practical Course Hour	8	1	8
Preparation for the Course	52	0,5	26
Preparation for the Committee Exam	1	10	10
Committee Exam	1	2	2
Preparation for the Final Theoretical Exam	1	5	5
Final Theoretical Exam	1	0,4	0,4
		Total Workload	103,4
		Total Workload / 25	103,4/25
		ECTS Credits	4

BMS-5 Urogenital and Endocrine System

(DTC100 Theoretical Committees- Basic Medical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Basic Medical Sciences	BMS-5	Urogenital and Endocrine System	3

Total Hour of Theoretical Courses	Total Hour of Practical Courses	Lecturer in Charge
47	6	Dr. Cenk Serhan Özverel

Aims

General functional mechanisms of the urogenital system, the role of hormones and their place in body control, biochemical, anatomical, physiological and histological aspects are discussed.

Learning Outcomes

LO1	Learning the effect of urinary system anatomy and physiology on general systems.
LO2	Learning the effect of urine formation on the systemic functions of the body.
LO3	Learning urea synthesis and metabolic disorders.
LO4	Understands the hormonal control of male and female urinary system.
LO5	Understands the general function of the endocrine system and its effect on the body control system.
LO6	Understands the effects of various hormones on the body.

Content

Department	Name of Course	Hour
Histology and Embryology	Urinary system	2
Biochemistry	Urea synthesis and metabolism disorders	2
Physiology	Introduction to urinary system physiology and renal circulation	1
	Reabsorption, secretion and clearance concept in renal tubules	2
	Urinary concentration and excretion	1
	Acid-base balance	1
Anatomy	Kidney, ureter and urinary bladder	2 + 1P
	Pelvic diaphragm	1 + 1P
	Male genital system	1 + 2P
	Female genital system	1 + 2P
	Endocrine system	1 + 2P
Histology and Embryology	Female genital system	2
Physiology	Physiology of the female genital system hormones	2
Histology and Embryology	Male genital system	2
Physiology	Physiology of male genital system hormones	2
Biochemistry	Control of the metabolism and hormone biochemistry	1
	Pituitary, hypothalamus hormones	3
	Sex hormones	3
Histology and Embryology	Endocrine system	2
Physiology	Hormones and mechanism of action	1
	Pituitary and hypothalamus gland hormones	2
	Physiology of the thyroid hormones	2
	Regulation of calcium metabolism	2
Biochemistry	Thyroid hormones	2
	Calcium and phosphate biochemistry	2
Physiology	Physiology of the endocrine, pancreas	2
	Physiology of adrenal gland hormones	1
Biochemistry	Hormones of the adrenal medulla and cortex	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
X	Discussion	X	Practical / İmplementation		Preparing / Presenting Reports
X	Question & Answer		Case Study		Team / Group Work
X	Observation		Problem / Problem Solving		Brainstorming

Course Resources

1	Doku Biyokimyası, Prof. Dr. Tamer Yılmaz, Yakın Doğu Üniversitesi Yayınları
2	Stanford Jr. Al. Foundations of Biophysisc. Academic Press, New York. Ch:2
3	Sybesma C. An Introduction to Biophysics. Academic Press, New York. Ch:3, 4.

4	Junqueira Temel Histoloji Konu ve Atlas, Anthony L. Mescher, Güneş Tıp Kitabevleri
5	BRS Hücre Biyolojisi ve Histolojisi, Leslie P. Gartner, James L. Hiatt, Güneş Tıp Kitabevleri
6	Histoloji konu anlatımı ve atlas, Michael H. Ross, Nobel Kitabevi
7	John E. Hall, Textbook of Medical Physiology, Thirteenth edition, ELSEVIER
8	K.Sembulingam and Prema Sembulingam, Essentials of Medical Physiology, Seventh edition
9	Review of Medical Physiology, 26th edition, LANGE
10	Gray's Anatomy, Richard L. Drake, A. Wayne Vogl, Adam W. M. Mitchell, Nobel Kitabevi

Quantification and Consideration

X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
X	Practical / Implementation		Presentation	X	Committee Exam

Contribution of Learning Outcome to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 3	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1
LO 4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 5	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 6	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1
Contribution level:	1: No			2: Poor			3: Moderate			4: Good			5: Very Good		

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	47	1	47
Practical Course Hour	6	1	6
Preparation for the Course	47	0,5	23,5
Preparation for the Committee Exam	1	3	3
Committee Exam	1	2	2
Preparation for the Final Theoretical Exam	1	4	4
Final Theoretical Exam	1	0,4	0,4
		Total Workload	85,9
		Total Workload / 25	85,9/25
		ECTS Credits	3

DPC100 Year 1 Practical Committee

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Practical	DPC100	Year 1 Practical Committee	10

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
Nothing to Declare	76	Assoc. Prof. Dr. Simge Taşar Faruk

Aim of the Subcommittee

The aims of the course are developing the 3D thinking and manipulation; teaching the crown and root morphologies, inter-arch and intra-arch relationships of permanent dentition; teaching the physical and chemical properties of dental materials; teaching the manipulation of dental waxes, dental plasters, acrylic resin, and dental wires.

Learning Objectives

LO 1	Knows the crown and root morphologies of permanent teeth and differentiates them.
LO 2	Identifies the tooth according to dental notation systems.
LO 3	Performs 3D tooth morphology using different materials
LO 4	Knows the relationships of inter-arch and intra-arch dentition
LO 5	Learns the properties of different dental materials and how to manipulate them.

Content of Subcommittee

Department	Subject
Prosthodontics	Demonstration of morphological terms in 3D tooth models
	Manipulation of maxillary central and lateral incisors
	Manipulation of mandibular central and lateral incisors
	Manipulation of maxillary and mandibular canines
	Manipulation of maxillary premolars
	Manipulation of mandibular premolars
	Manipulation of maxillary first molar
	Manipulation of mandibular first molar
	Manipulation of maxillary and mandibular second molars
	Dental arch manipulation
	Dental plaster manipulation
	Dental wax manipulation
	Acrylic resin manipulation
	Dental wire manipulation

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
	Discussion	X	Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Lecture notes
2	Nelson SJ, Ash MM. Wheeler's Dental Anatomy, Physiology and Occlusion, Elsevier, 2010

Quantification and Consideration

X	Attendance		Clinical Internship		Project
X	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

Learning Outcomes	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 3	3	1	1	1	1	1	2	1	1	1	1	1	1	1	1
LO 4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 5	3	1	1	1	2	1	1	1	1	1	1	1	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Practical course hours	76	1	76

Preparation for the course	19	1	19
Homework	35	4	140
Preparation for the final practical course	1	10	10
Final practical course	1	3	3
		Total workload	248
		Total workload / 25	248/25
		ECTS credits	10

Year 2

In the second year of their education, students have compulsory theoretical committees consisting of clinical sciences and basic medical sciences courses, compulsory practical committees that aim to integrate theoretical knowledge obtained in different disciplines (Prosthodontics, Restorative Dentistry, Endodontics, Oral and Maxillofacial Radiology) with practical applications and 4 elective courses (2 in Fall and 2 in Spring terms) that they will choose from elective course pool.

DTC200 Year 2 Theoretical Committees

Course Type	Course Code	Course Name	Theoretical Course Hour	Practical Course Hour	ECTS
Mandatory	DTC200	Year 2 Theoretical Committees	237	32	24
Language of Course	**Course Level**	**Education Medium**	**Prerequisites**	**Lecturer in Charge**	
English	Undergraduate	Face to Face	DTB100, DPB100	Assoc. Prof. Dr. Hayriye Tümer	

Aim

Teaching the basics of dentistry practices; teaching the etiology, classification, development and findings of dental tissue diseases such as dental caries, root canal system infections and periodontal diseases; teaching traditional and modern approaches, devices and materials for the diagnosis and treatment of dental tissue diseases; explaining the materials and methods used in fixed prosthetic restoration applications; teaching basic microbiology, immunology and important diseases in dentistry; teaching the histology, anatomy and physiology of the central nervous system; To teach the general concepts of pharmacology and pathology, to examine the diseases with oral symptoms, to teach the systemic diseases that should be considered in dentistry practices and the interactions of the drugs used in their treatment.

Subcommittees

Code of Subcommittee	Code of Subcommittee	Code of Subcommittee	Code of Subcommittee
CS1	Dental Tissue Diseases and Treatments-I	5	46
CS2	Fixed Prosthetic Restorations	2	24
CS3	Dental Tissue Diseases and Treatments-II	2	23
CS4	Dental Tissue Diseases and Treatments-III	2	25
BMS1	Basis of Diseases-I	4	38 +26
BMS2	Central Nervous System	3	28 +6
BMS3	Basis of Diseases-II	6	53

CS-1 Diseases and Treatments of Dental Tissues I

(DTC200 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-1	Diseases and Treatments of Dental Tissues-I	5

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
46	Nothing to Declare	Assist. Prof. Dr. İzgen Karakaya

Aim of the Committee

To define the infections of dental hard and soft tissues ranging between the initial dental caries and the advanced pulpal and periapical diseases. To acquire knowledge about the mechanisms, diagnosis and the first steps of treatment methods of these diseases of dental tissues. To learn the science of Radiology, how to be protected from radiation and the applications of intraoral radiography techniques.

Learning Objectives

LO 1	Have knowledge about the historical duration at understanding of dental caries and know the terminology used for the diseases of dental and periapical tissues.
LO 2	Classify the dental caries of primary and permanent teeth and explain the formation mechanisms.
LO 3	Have knowledge about the conventional and modern techniques used for the diagnosis of dental caries
LO 4	Identify the equipment used for caries removal and know the techniques used for cavity preparation
LO 5	Classify the pulpal and periapical diseases and explain the formation mechanisms
LO 6	Know the materials, devices and techniques used for access cavity preparation for endodontic treatments
LO 7	Explain the microbiology of dental caries, pulpal and periapical diseases and association between them
LO 8	Know the materials and techniques used for cavity disinfection and isolation
LO 9	Know the materials and techniques used for cavity lining and pulp capping
LO 10	Understand the formation of X-ray, radiation biology and the measurement units
LO 11	Have knowledge about the devices used for radiology and the intraoral radiography techniques
LO 12	Understand the importance of protection against radiation and know the used methods

Content of Committee

Department	Subject	Hour
Restorative Dentistry	General Principles for Cavity Preparation	1
	Preparation Principles for Black Cavities	2
Endodontics	Endodontic Hand Tools	1
	Endodontic Access Cavity	1
Restorative Dentistry	Theories for Development of Dental Caries	1
	Microbial Dental Plaque and Caries Microbiology	1
	Formation of Dental Caries	1
	Morphology of Dental Caries	1
	Types of Caries	1
Oral and Maxillofacial Radiology	Formation and Characteristics of X-ray	1
	Quality and Quantity of X-ray	1
Pedodontics	Dental Caries at Children	2
	Early Childhood Caries	1
Oral and Maxillofacial Radiology	Radiation Biology and Measurement Units	1
	Devices used for Radiology	1
Restorative Dentistry	Biochemistry of Saliva	1
	Relation Between Saliva and Caries	1
Oral and Maxillofacial Radiology	Protection from Radiation Principle of ALARA	1
	Structure of Film, Film Types, Screens, Dental Films	1
	Introduction to Periapical Radiology	2
Restorative Dentistry	Diagnosis of Dental Caries by Traditional and Modern Techniques and Devices	1
Oral and Maxillofacial Radiology	Caries Radiology and Diagnosis of Caries by Radiographs	2
	Arrangement of Dark Room and Rinsing Solutions	1
	Radiographic Quantity; Detail, Density, Fog, Contrast	1
	Intraoral Radiography Techniques	2
Endodontics	Pulpal Diseases and Classification	2
	Periapical Diseases and Classification	2
	Microbiology of Pulpal and Periapical Diseases	1
Restorative Dentistry	Caries Removal by Mechanical Techniques	1
	Traditional and Partial Matrix Systems	1
Endodontics	Isolation and Rubber-dam	1
Restorative Dentistry	Cavity Disinfectants	1
	Pulp Capping Materials	2
Pedodontics	Glass Ionomer Cements	2

Restorative Dentistry	Cavity Liners and Temporary Filling Materials	2
	Direct and Indirect Pulp Capping	1

Learning and Teaching Techniques of the Courses					
X	Expression		Experiment		Project Design and Management
X	Discussion		Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer	X	Case Observation		Team Work
	Observation	X	Problem/Problem Solving		Brain Storming

References	
1	Heymann, H. O., Swift, Jr, E. J., Ritter, A. V., Bayne, S. C., Boushell, L. W., Crawford, J. J. & et. al. (2012). Sturdevant's Art and Science of Operative Dentistry. (6. ed). ABD: Mosby, Elsevier Inc.
2	Garg, N., Garg, A., Amita, Chandra, A., Dinghra, A., Singh, A. & et al. (2013). Textbook of Operative Dentistry. India: Jaypee Brothers Medical Publishers (P) Ltd.
3	Nowak, A.J.,Christensen, J.R., Mabry, T.R., Townsend, J.A.,Wells, M.H. (2018) Pediatric Dentistry-Infancy Through Adolescence (6. ed). ABD: Mosby, Elsevier Inc.
4	White, S. C., & Pharoah, M. J. (2018). White and Pharoah's Oral Radiology E-Book: Principles and Interpretation. Elsevier Health Sciences.
5	Course Materials

Quantification and Consideration					
X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term
	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies															
	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15
LO1	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1
LO2	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1
LO3	2	1	3	1	1	1	2	1	1	1	1	1	1	1	1
LO4	3	1	1	1	3	1	2	1	1	1	1	1	1	1	1
LO5	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1
LO6	3	1	1	1	3	1	2	1	1	1	1	1	1	1	1
LO7	2	1	3	2	1	1	1	1	1	1	1	1	1	1	1
LO8	2	1	1	1	3	1	2	1	1	1	1	1	1	1	1
LO9	3	1	1	2	3	1	2	1	1	1	1	1	1	1	1
LO10	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO11	3	1	1	1	3	1	2	1	1	1	1	1	1	1	1
LO12	3	1	1	3	1	1	1	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation			
Activities	Number	Duration (hour)	Total workload (hour)
Theoretical lecture hours	10	2	46
	27	1	
Preparation to the lecture	46	0,75	35
Preparation to the committee exam	1	20	20
Committee exam	1	1	1
Preparation to end of year general theoretical examination	1	15	15
End of year general theoretical examination	1	1	1
		Total workload	118
		Total workload / 25	118/25
		ECTS Credit	5

CS-2 Fixed Prosthetic Restorations

(DTC200 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-2	Fixed Prosthetic Restorations	2

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
24	Nothing to Declare	Assist. Prof. Dr. Salim Ongun

Aim of the Committee

Introduction to types and application areas of fixed prosthetic restorations that cover a wide range of prosthetic dental treatments; Starting from planning, teaching all clinical and laboratory stages and explaining the properties of different restorative materials.

Learning Objectives

LO 1	Recognizes fixed prosthetic restoration types
LO 2	Knows the indications and contraindications of crown and bridge restorations
LO 3	Explains the principles of dental preparation and biomechanical concepts
LO 4	Understands the impression stages of fixed prosthetic restorations
LO 5	Knows the principles of occlusion, takes and transfers occlusal records
LO 6	Recognizes the different restorative materials used in fixed prosthetic restorations and know their properties
LO 7	Understands all laboratory stages of fixed prosthetic restorations

Content of Committee

Department	Subject	Hour
Prosthetic Dentistry	Introduction to Fixed Prosthetic Restorations, Indications of crowns and bridges, crown types	1
	Principles of Tooth Preparation	1
	Introduction of Bridge Types and Structural Elements	1
	Evaluation of Abutment Teeth in Fixed Prosthetics	1
	Biomechanical Considerations of Fixed Prosthodontics	1
	Pontic Design and Interrelationship Between Pontic and Mucosa	1
	Impression Materials in Fixed Prostheses (Elastomers)	1
	Retraction Methods	1
	Impression Techniques in Fixed Prostheses	1
	Occlusion Terminology, Mandibular Movements and Determinants	1
	Occlusion Types in Natural Teeth, Principles of Occlusion in Fixed Prosthodontic Treatment	1
	Obtaining and Transferring Occlusal Records	1
	Obtaining Models, Transfer to Occlusor and Day Materials	1
	Provisional Fixed Restorations	1
	Dental Ceramics	2
	Resin-Ceramic Hybrid Materials	1
	Framework Design in Metal-Ceramic Restorations	1
	Laboratory Stages and Framework Fabrication Techniques in Metal-Ceramic Restorations	1
	Metal-Ceramic Connection	1
	General Principles of Full-mouth Bridges	1
	Conventional Cements and Cementation of Fixed Prosthodontic Restorations	1
	Resin Luting Cements	1
	Relationship Between Fixed Prosthesis and Periodontal Tissue	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
	Discussion		Practical / İmplementation		Preparation & Presentation of Report
X	Question & Answer		Case Observation		Team Work
	Observation		Problem / Problem Solving		Brainstorming

References

1	Rosenstiel SF, Land MF, Fujimoto J. Contemporary fixed prosthodontics. 4th Ed. St. Louis: Mosby; 2006
2	Shillingburg HT, Hobo S, Whitsett LD, Jacobi R, Brackett SE. Fundamentals of Fixed Prosthodontics. Quintessence Publishing, 1997.
3	Course Materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project

	Laboratory		Homework		Mid-term
	Practical / İmplementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1
LO 3	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1
LO 4	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1
LO 5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1
LO 6	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1
LO 7	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical lecture hours	24	1	24
Preparation to the lecture	24	0.5	12
Preparation to the committee exam	1	8	8
Committee exam	1	1	1
Preparation to end of year general theoretical examination	1	3	3
End of year general theoretical examination	1	1	1
		Total Workload	49
		Total Workload / 25	49/25
		ECTS Credits	2

CS-3 Diseases and Treatments of Dental Tissues II

(DTC200 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-3	Diseases and Treatments of Dental Tissues-II	2

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
23	Nothing to Declare	Assist. Prof. Dr. Damla Akşit Bıçak

Aim of the Committee

Teaching the methods and materials used for root canal treatments, sharing knowledge about amalgam material, application methods and toxicity, teaching the strategies used for preventive dentistry for all ages related with the dental caries epidemiology.

Learning Objectives

LO 1	To be informed of root canal disinfection and preparation
LO 2	Learning root canal filling materials and techniques
LO 3	Learning the amalgam restorations and their clinical application techniques
LO 4	Learning the clinical failures of amalgam restorations and the importance of dental mercury for human body
LO 5	Comprehending the caries risk factors and to be able to apply caries activity tests
LO 6	To be able to apply preventive treatment approaches in children and adolescents

Content of Committee

Department	Subject	Hour
Endodontics	Preparation of root canals	1
	Irrigation and smear layer	2
Restorative Dentistry	Disinfection of root canals	1
	Root canal filling materials and techniques	2
	Introduction to amalgam	2
	Clinical application methods of amalgam restorations	1
	Finishing and polishing of amalgam restorations	1
	Clinical failure of amalgam restorations	1
	The importance of dental mercury for human body and environment and removal of amalgam	1
PREVENTIVE DENTISTRY		
Pedodontics	Caries Epidemiology	2
Restorative Dentistry	Dental Indices	1
	Caries Risk and Caries Activity Tests	1
Pedodontics	Preventive Applications in Children	5
Restorative Dentistry	Preventive Applications in Adults	2

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
X	Discussion		Practical / İmplementation		Preparation & Presentation of Report
X	Question & Answer		Case Observation		Team Work
	Observation		Problem / Problem Solving		Brainstorming

References

1	Arthur J. Nowak, John R. Christensen, Tad R. Mabry, Janice A Townsend, Martha H. Wells Pediatric Dentistry - Infancy through adolescence, 6th edition, Elsevier
2	Marwah N. Textbook of Pediatric Dentistry, Jaypee, 2014
3	Harty, Klinik Uygulamalarda Endodonti, 7. Baskı, Elsevier
4	Heymann, H. O., Swift, Jr, E. J., Ritter, A. V., Bayne, S. C., Boushell, L. W., Crawford, J. J. & et. al. (2012). Sturdevant's Art and Science of Operative Dentistry. (6. Ed). ABD: Mosby, Elsevier Inc.
5	Course Materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term
	Practical / İmplementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	3	3	4	2	1	1	4	2	1	1	1	1	1	1	1
LO 2	3	3	4	2	4	1	4	2	1	1	1	1	1	1	1

LO 3	3	3	4	2	4	1	4	1	1	1	1	1	1	1	1
LO 4	3	3	3	3	4	1	1	1	1	1	1	1	1	1	1
LO 5	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 6	3	3	1	1	1	1	1	4	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical lecture hours	23	1	23
Preparation to the lecture	23	0.5	11,5
Preparation to the committee exam	1	8	8
Committee exam	1	1	1
Preparation to end of year general theoretical examination	1	3	3
End of year general theoretical examination	1	1	1
		Total Workload	47,5
		Total Workload / 25	47,5/25
		ECTS Credits	2

CS-4 Diseases and Treatments of Dental Tissues III

(DTC200 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-4	Diseases and Treatments of Dental Tissues-III	2

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
25	Nothing to declare	Assist. Prof. Dr. Hayriye Tümer

Aim of the Committee

Teaching the diseases and conditions that affects the periodontium, giving detailed information about the epidemiology, microbiology, pathogenesis and plaque biochemistry of periodontal diseases, explaining the gingival and periodontal diseases and teaching the environmental and systemic factors that cause these diseases.

Learning Objectives

LO 1	Knows and classifies the diseases and conditions affecting the periodontium
LO 2	Knows the epidemiology of periodontal diseases
LO 3	Knows the structure and formation of the calculus and saliva biochemistry
LO 4	Knows the microbiology and pathogenesis of periodontal diseases
LO 5	Knows gingivitis and makes differential diagnosis
LO 6	Knows the causes of gingival enlargement and makes differential diagnosis
LO 7	Knows periodontitis and makes differential diagnosis

Content of Committee

Department	Subject	Hour
Periodontology	Classification of Diseases and Conditions Affecting the Periodontium	1
	Epidemiology of Periodontal Diseases	2
	Effect of Calculus and Other Predisposing Factors	1
	Periodontal Microbiology	2
Biochemistry	Biochemistry of Plaque	2
Periodontology	Periodontal Pathogenesis	8
	Smoking and Periodontal Disease	1
	Clinical Features of Gingivitis	2
	Acute Gingival Diseases	1
	Desquamative Gingivitis	1
	Gingival Diseases in Children	1
	Gingival Enlargement	1
	Periodontal Pocket	1
	Periodontitis	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
X	Discussion		Practical / İmplementation		Preparation & Presentation of Report
X	Question & Answer		Case Observation		Team Work
	Observation	X	Problem / Problem Solving		Brainstorming

References

1	Lindhe, J. (1984). A textbook of clinical periodontology, WB Saunders Company.
2	Carranza, F.A. Ve Glickman, I. (1979). Glickman's Clinical Periodontology, Saunders.
3	Çağlayan, G. (2018). Periodontoloji ve İmplantoloji, Quintessence Yayınları, Türkiye.
4	Çağlayan, G. (2010). Periodontoloji, Hacettepe Üniversitesi Yayınları, Ankara.
5	Yılmaz, T. (2007). Canlıda Organik Yapı, İlke Yayınevi-Gazi Üniversitesi Vakfı, Ankara
6	Course Materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term
	Practical / Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO1	2	3	3	1	1	1	2	2	1	1	1	1	1	1	1
LO2	2	1	1	1	1	1	1	4	1	1	1	1	1	1	1
LO3	3	3	3	2	1	1	2	1	1	1	1	1	1	1	1
LO4	2	3	3	3	1	1	2	1	1	1	1	1	1	1	1
LO5	3	2	3	2	1	1	1	3	1	1	1	1	1	1	1

LO6	3	2	3	2	1	1	1	3	1	1	1	1	1	1	1
LO7	3	2	3	2	1	1	1	3	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical lecture hours	25	1	25
Preparation to the lecture	25	0.5	12,5
Preparation to the committee exam	1	8	8
Committee exam	1	1	1
Preparation to end of year general theoretical examination	1	3	3
End of year general theoretical examination	1	1	1
		Total Workload	50,5
		Total Workload / 25	50,5/25
		ECTS Credits	2

BMS-1 Basis of Diseases I

(DTC200 Theoretical Committees- Basic Medical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Basic Medical Sciences	BMS-1	Basics of Diseases-I	4

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
38	26	Assist. Prof. Dr. Oğuz Buhara

Aim of the Committee

Teaching the basic structures of microorganisms such as viruses, bacterial parasites and fungi, which are the basis of the diseases, to transfer the immune system response to pathogenic organisms and to give a basic perspective on infectious diseases which are important in dentistry.

Learning Objectives

LO 1	Knows the bacterial structure and metabolism.
LO 2	Knows the host-microorganism relationship, and sterilization, disinfection, etc. applications.
LO 3	Knows important bacteria and infectious diseases in terms of dentistry.
LO 4	Knows the structure and classification of viruses, fungi and parasites.
LO 5	Knows vaccines, serological tests and applications.
LO 6	Has general knowledge in terms of immune system, knows immune system classifications and functions.

Content of Committee

Department	Subject	Hour	
		Theo.	Prac.
Microbiology	Bacterial Cell Structure	2	
	Bacterial Replication and Growth	1	1
	Laboratory Rules		1
	Bacterial Metabolism	2	
	Bacterial Genetics	2	
	Examination of Gram Positive and Gram-Negative Bacteria		2
	Host-Pathogen Interactions and Flora	2	
	Bacteria Important in Dentistry	2	
	Normal Microflora Day 1		1
	Normal Microflora Day 2		1
	Sterilization, Disinfection, Antisepsis and Applications	2	
	Antibiotics: Mechanisms of Action and Resistance	2	
	Antibiotic Susceptibility Testing		1
	Classification and General Properties of Viruses	2	
	Viral Diagnosis and Antivirals	2	
	Viruses Important in Dentistry	2	
	Fungal Cell Structure and Classification	2	
	Fungi Important in Dentistry	2	
	Parasitic Cell Structure and Classification	2	
	Parasites Important in Dentistry	2	
	Examination of Fungi and Parasites		2
	Natural-Acquired Immunity	2	
	Antigens: Antigen Processing and Presentation	1	
	Complement System and Cytokines	1	
	Immune Response to Microorganisms	2	
	Active and Passive Immunization / Vaccines and Sera	1	
	Serological Tests		1
	Infectious Diseases Important in Dentistry	4	

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
X	Discussion	X	Practical / İmplementation		Preparation & Presentation of Report
X	Question & Answer	X	Case Observation		Team Work
X	Observation	X	Problem / Problem Solving		Brainstorming

References

1	Murray Basic Medical Microbiology (2018) Patrick R. Murray.
2	Course Materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
X	Laboratory		Homework		Mid-term
X	Practical / Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies															
	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO1	3	1	2	2	1	1	3	2	3	1	1	1	1	1	1
LO2	3	2	3	2	1	1	3	2	3	1	1	1	1	1	1
LO3	5	2	3	2	1	1	3	2	3	1	1	1	1	1	1
LO4	3	2	2	2	1	1	3	2	3	1	1	1	1	1	1
LO5	3	2	3	4	1	1	3	2	3	1	1	1	1	1	1
LO6	3	1	2	4	1	1	3	2	3	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation			
Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical lecture hours	64	1	64
Preparation to the lecture	38	0.5	19
Preparation to the committee exam	1	10	10
Committee exam	1	1	1
Preparation to end of year general theoretical examination	1	5	5
End of year general theoretical examination	1	1	1
		Total Workload	100
		Total Workload / 25	100/25
		ECTS Credits	4

BMS-2 Central Nervous System

(DTC200 Theoretical Committees- Basic Medical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Basic Medical Sciences	BMS-2	Central Nervous System	3

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
28	6	Dr. Meltem Küçük

Aim of the Committee

Teaching the general structure, concepts, functions of the central nervous system histologically and anatomically, and to transfer the functions in detail by considering the physiological structure of the system.

Learning Objectives

LO1	Learn about the central nervous system structure and general functioning.
LO2	Understands the steps of signalization, starting from the receptor.
LO3	Understands the role of private and somatic senses.
LO4	Understands the functions of the central nervous system in subjects such as motion control and sense perception, which are connected to control centers.

Content of Committee

Department	Subject	Hour	
		Theo.	Prac.
Histology and Embryology	Central Nervous System	2	
	Peripherical Nervous System and Receptors	2	
Anatomy	Peripherical Nervous System and Receptors	1	
	Morphology of medulla spinalis and Spinal Nerves	1	1
	Bulbus, Pons, Cerebellum, Mesencephalon, Diencephalon, Telencephalon	2	2
	Limbic System and Basal Ganglions	1	
	Arterial Supply of Central Nervous System and Ventricular System	1	
	Cranial Nerves	2	1
	Spinal Nerves	1	1
	Autonomic Nervous System	1	
	Special Senses - Eye, Ear, Skin and Appendages	2	1
Physiology	Sensory Receptors	1	
	Somatic Senses	2	
	Special Senses	3	
	Cerebral Cortex	1	
	Control of Postural Movement	2	
	Limbic System and Hypothalamus	1	
	Functions of Cranial Nerves	2	

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
X	Discussion	X	Practical / İmplementation		Preparation & Presentation of Report
X	Question & Answer	X	Case Observation		Team Work
	Observation	X	Problem / Problem Solving		Brainstorming

References

1	Guyton Medical Physiology John E. Hall, (2017)
2	Junqueira's Basic Histology Atlas Antony L. Mescher.
3	Course Materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
X	Laboratory		Homework		Mid-term
X	Practical / İmplementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO1	1	3	2	2	1	1	2	1	1	1	1	1	1	1	1
LO2	1	2	2	2	1	1	2	1	1	1	1	1	1	1	1
LO3	1	2	2	2	1	1	2	1	1	1	1	1	1	1	1
LO4	1	2	2	2	1	1	2	1	1	1	1	1	1	1	1
Level of Contribution	1: None		2: Weak				3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)

Theoretical lecture hours	34	1	34
Preparation to the lecture	34	0,5	17
Preparation to the committee exam	1	15	8
Committee exam	1	1	1
Preparation to end of year general theoretical examination	1	30	18
End of year general theoretical examination	1	1	1
		Total Workload	79
		Total Workload / 25	79/25
		ECTS Credits	3

BMS-3 Basis of Diseases II

(DTC200 Theoretical Committees- Basic Medical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Basic Medical Sciences	BMS-3	Basics of Diseases-II	6

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
56	Nothing to Declare	Zehra Edebal, M.D. Spc.

Aim of the Committee

Teaching the pathological, genetic and pharmacological formation mechanisms of diseases, to learn how to identify these diseases and to plan the pharmacological treatment.

Learning Objectives

LO1	Knows the general mechanisms of the diseases
LO2	Identifies the diseases and understands the healing mechanisms
LO3	Knows the DNA repair and tumor formation pathways
LO4	Knows the parameters that are used to put pathological diagnosis
LO5	Knows the genetic, pathological and pharma logical parameters that are used to plan the management of the diseases
LO6	Knows the agents used for pharma logical treatment

Content of Committee

Department	Subject	Hour
Pathology	Introduction to pathology	1
	Routine Practice in Laboratory	1
Medical Biology and Genetics	Repair Mechanisms of DNA	2
Pathology	Cell Injury	1
	Cell Adaptations	1
Pharmacology	Introduction to pharmacology and general concepts	2
	Pharmacokinetics, pharmacodynamic rules	2
	Factors that change drug effect, drug toxicity, parts of prescription	2
Pathology	Intracellular Accumulations	1
Medical Biology and Genetics	Mechanisms of Cell Apoptosis	2
Pathology	Cellular Aging	1
	Acute, Chronic Inflammation	2
	Tissue Renewal and Repair: Regeneration, Healing and Fibrosis	2
	Hemodynamic Disorders, Thromboembolic Diseases and Shock	2
Pharmacology	Introduction to chemotherapeutic drugs, Antibacterial drugs	2
	Antiviral and antifungal drugs, Antibiotic use in dentistry	2
	Histamine, antihistaminic drugs, serotonergic drugs	1
	Prostaglandins, angiotensin	1
	Drugs acting on autonomic nervous system	2
	Sedative hypnotics, anesthetic drugs	2
	Pain and drugs used in the treatment of pain	2
Pathology	Neoplasia	3
	Leukemia And Lymphoma	2
	Immune System Diseases	2
Pharmacology	Respiratory system drugs, bronchodilators and antitussive drugs Antihypertensives	2
	Antianginal drugs, drugs used to treat heart failure	2
	Anticoagulants, drugs used to treat hyperlipidemia, peripheral vasodilators	1
	Drugs used in gastrointestinal system diseases	2
Pathology	Endocrine System Diseases	2
	Bone Diseases	2
Pharmacology	Drugs used in endocrine system diseases, Antidiabetic drugs, drugs used in thyroid disorders	2
	Corticosteroids, drugs used in bone joint diseases, sex hormones	2

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
X	Discussion		Practical / İmplementation		Preparation & Presentation of Report
X	Question & Answer	X	Case Observation		Team Work
	Observation	X	Problem / Problem Solving		Brainstorming

References

1	Robbins Basic Pathology Tenth Edition, ELSEVIER
2	WHO Head and Neck Tumors
3	Rosai and Ackerman's Surgical Pathology

4	Lippincott Illustrated Reviews: Pharmacology
5	Genetics and Molecular Biology
6	Course Materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term
	Practical / Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO1	3	4	2	1	1	1	1	1	1	1	1	2	2	1	2
LO2	3	3	4	4	1	1	3	3	2	1	1	2	2	1	2
LO3	3	4	2	4	2	1	1	3	1	1	1	2	3	1	2
LO4	3	4	4	2	2	1	4	3	2	1	1	2	2	1	2
LO5	3	2	5	4	3	2	1	5	3	1	1	3	2	1	2
LO6	3	4	5	4	1	1	4	1	1	1	1	2	1	1	2
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical lecture hours	56	1	56
Preparation to the lecture	56	1	56
Preparation to the committee exam	1	15	15
Committee exam	1	1	1
Preparation to end of year general theoretical examination	1	20	20
End of year general theoretical examination	1	1	1
		Total Workload	149
		Total Workload / 25	149/25
		ECTS Credits	6

DPC200 Year 2 Practical Committees

Course Type	Course Code	Course Name	Theoretical Course Hour	Practical Course Hour	ECTS
Mandatory	DPC200	Year 2 Practical Committees	-	338	20
Language of Course	**Course Level**	**Education Medium**	**Prerequisites**	**Lecturer in Charge**	
English	Undergraduate	Face to Face	DTC100, DPC100	Assist. Prof. Dr. Salim Ongun	

Aim

Reinforcing the theoretical knowledge given in the fields of Restorative Dentistry, Endodontics and Prosthetic Dentistry with practical applications; developing manipulation skills by using different materials and techniques; Teaching radiography techniques with applications.

Subcommittees

Code of Subcommittees	Name of Subcommittees	ECTS	Practice
PC1	Restorative Dentistry	6	112
PC2	Endodontics	7	112
PC3	Oral and Maxillofacial Radiology	1	6
PC4	Prosthodontics	6	112

PC-1 Restorative Dentistry

(DPC200 Practical Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	PC-1	Restorative Dentistry	6

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
Nothing to Declare	112	Assoc. Prof. Dr. Özgür Irmak

Aim of the Committee

Teaching the general principles of cavity preparation and the methodology of Black which is the first step of restorative operations; teaching the different cavity shapes of Black I, Black II and Black V special for each posterior teeth related with their different morphological characteristics; applying the traditional and partial matrix systems; teaching the characteristics of zinc phosphate and glass ionomer cavity liners and the methods for application of these materials.

Learning Objectives

LO1	Know and apply the general principles of cavity preparation and the methodology developed by Black
LO2	Apply differently characterized cavity types (Black I, Black II and Black V) related with the different morphology of posterior teeth.
LO3	Identify the matrix systems and their indications and know application methods.
LO4	Understand the physical and chemical characteristics of different cavity lining materials and apply in a correct way.

Content of Committee

Department	Subject	Hour
Restorative Dentistry	Discussion of the general principles for cavity preparation and demonstration related with these principles	
	Black I cavity preparation for maxillary and mandibular premolars	
	Black I cavity preparation for maxillary and mandibular molars	
	Black V cavity preparation	
	Discussion and practice of the traditional and partial matrix systems	
	Black II (1 approximal) cavity preparation for maxillary and mandibular premolars	
	Black II (1 approximal) cavity preparation for maxillary and mandibular molars	
	Black II (2 approximal) cavity preparation for maxillary and mandibular premolars	
	Black II (2 approximal) cavity preparation for maxillary and mandibular molars	
	Application of Zinc Phosphate cavity liner	
	Application of Glass Ionomer cavity liner	

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer	X	Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Heymann, H. O., Swift, Jr, E. J., Ritter, A. V., Bayne, S. C., Boushell, L. W., Crawford, J. J. & et. al. (2012). Sturdevant's Art and Science of Operative Dentistry. (6.bs). ABD: Mosby, Elsevier Inc.
2	Garg, N., Garg, A., Amita, Chandra, A., Dinghra, A., Singh, A. ve diğerleri. (2013). Textbook of Operative Dentistry. Hindistan: Jaypee Brothers Medical Publishers (P) Ltd.
3	Course Materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15
LO1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1
LO2	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1
LO3	3	1	1	1	2	1	2	1	1	1	1	1	1	1	1
LO4	3	1	1	1	2	1	2	1	1	1	1	1	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration (hour)	Total workload (hour)
Practical lecture hours	14	8	112
Preparation to the lecture + Homework	9	2	18

Preparation to the committee exam	4	3	12
Mid-term/Quiz	4	2	8
Preparation to end of year general practical examination	1	10	10
End of year general practical examination	1	2	2
		Total workload	162
		Total workload / 25	162/25
		ECTS credits	6

PC-2 Endodontics

(DPC200 Practical Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	PC-2	Endodontics	7

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
-	112	Assoc. Prof. Dr. Umut Aksoy

Aim of the Committee

This committee aims to provide a base of knowledge in endodontic materials and equipment. It also provides pre-clinical training on the general principles of endodontic access cavity preparation which is the first step of root canal treatment procedures, and subsequent teaching of preparation of an access cavity on maxillary and mandibular incisor, canine, premolar and molar teeth.

Learning Objectives

LO1	Able to demonstrate understanding and practical skill in the properties and working principles of endodontic equipment and materials
LO2	Able to demonstrate understanding and practical skill in the general principles of endodontic access cavity preparation
LO3	Able to demonstrate understanding and practical skill in access cavity preparation in maxillary teeth
LO4	Able to demonstrate understanding and practical skill in access cavity preparation in mandibular teeth

Content of Committee

Department	Subject	Hour
Endodontics	Endodontic equipment and materials	
	Discussion and demonstration of general principles of access cavity in endodontics	
	Endodontic access cavity preparation in maxillary incisor teeth	
	Endodontic access cavity preparation in mandibular incisor teeth	
	Endodontic access cavity preparation in maxillary canine teeth	
	Endodontic access cavity preparation in mandibular canine teeth	
	Endodontic access cavity preparation in maxillary premolar teeth	
	Endodontic access cavity preparation in mandibular premolar teeth	
	Endodontic access cavity preparation in maxillary molar teeth	
	Endodontic access cavity preparation in mandibular molar teeth	

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer	X	Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Alaçam, T. (2012) Endodonti
2	Hargreaves, K. M., & Berman, L. H. (2015). Cohen's pathways of the pulp expert consult. Elsevier Health Sciences.
3	Raif Erişen (Editör), Torabinejat (Yazar) (2011) Endodonti Temel İlkeler ve Uygulamalar

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15
LO1	1	1	1	1	3	1	1	1	1	1	1	2	1	1	1
LO2	3	2	1	1	3	1	2	1	1	1	1	2	1	1	1
LO3	3	2	1	1	3	1	2	1	1	1	1	2	1	1	1
LO4	3	2	1	1	3	1	2	1	1	1	1	2	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration (hour)	Total workload (hour)
Practical lecture hours	14	8	112
Preparation to the lecture + Homework	9	2	18
Preparation to the committee exam	4	3	12
Mid-term/Quiz	4	4	16
Preparation to end of year general practical examination	1	10	10

End of year general practical examination	1	2	2
		Total workload	170
		Total workload / 25	170/25
		ECTS credits	7

PC-3 Oral and Maxillofacial Radiology

(DPC200 Practical Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	PC-3	Oral & Maxillofacial Radiology	1

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
Nothing to Declare	2	Assoc. Prof. Dr. Seçil Aksoy

Aim of the Committee

Teaching the parts and the usage of the intraoral dental films and radiography devices, teaching the protection from radiation and teaching the bisecting angle techniques used for the intraoral radiography of different oral regions.

Learning Objectives

LO1	Comprehends the parts and usage of intraoral radiography devices.
LO2	Knows the precautions used for the protection from radiation.
LO3	Applies bisecting angle technique for intraoral radiography.
LO4	Comprehends the angles of X-ray and the radiography device to take radiographs from different regions of maxilla and mandibula.

Content of Committee

Department	Subject
Oral & Maxillofacial Radiology	Application of bisecting angle technique at maxillary anterior region
	Application of bisecting angle technique at maxillary molars
	Application of bisecting angle technique at mandibular canines
	Application of bisecting angle technique at mandibular premolars

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer	X	Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Mallya SM, Lam EWN. White and Pharoah's Oral Radiology. 8th Ed. Mosby, Elsevier Inc.
2	Özcan İ. Diş Hekimliğinde Radyolojinin Esasları. 1. ed. İstanbul Tıp Kitabevleri
3	Course Materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15
LO1	3	1	1	1	2	1	1	1	1	1	1	1	1	1	1
LO2	2	1	1	1	1	1	1	1	3	1	1	1	1	1	1
LO3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO4	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration (hour)	Total workload (hour)
Practical lecture hours	1	6	6
Preparation to the lecture + Homework	1	2	2
Preparation to the committee exam	1	2	2
Mid-term/Quiz	1	1	1
Preparation to end of year general practical examination	1	1	1
End of year general practical examination	1	1	1
		Total workload	13
		Total workload / 25	13/25
		ECTS credits	1

PC-4 Prosthetic Dentistry

(DPC200 Practical Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	PC-4	Prosthodontics	6

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
-	112	Dr. Mhammad Saleh

Aim of the Committee

Teaching general principles of dental preparation which is the first step of prosthetic procedures and subsequent teaching of impression taking, temporary construction and infrastructure design construction; teaching of dental preparation according to the principles of preparation according to the different morphological features of the anterior and posterior teeth; teaching how to take an impression and make temporary restoration from prepared teeth; to teach the construction and production of metal infrastructure design.

Learning Objectives

LO1	Understand and apply the general principles of dental preparation and the methodology developed by Shillingburg
LO2	Taking impression for the prepared teeth
LO3	Obtaining an accurate model from the dental impression.
LO4	Applies the metal infrastructure design of prepared teeth

Content of Committee

Department	Subject	Hour
Prosthodontics	The principles of the tooth preparation for the fixed partial denture	
	Anterior tooth preparation	
	Posterior tooth preparation	
	tooth preparation for bridge designed restoration	
	Procedures of impression	
	Establishing a model and mounting to articulator	
	Establishing a die	
	Temporary restorations	
	Design of the metal substructure	
	tooth preparation, impression, and establishing a model	

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer	X	Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Shillingburg, H.T.,Hobo, S., Whitsett, L.D., Jacobi R., Brackett, S.E. (2010). Sabit Protezin Temelleri. (3.BS.). Quintessence books.
2	Rosenstiel, S.F., Land, F.M., Fujimoto, J. (2006). Contemporary Fixed Prosthodontics. (4.BS.). Mosby, Elsevier Inc.
3	Zaimoğlu, A., Can, G. (2004). Sabit Protezler. Ankara Üniversitesi Diş Hekimliği Fakültesi.

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15
LO1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1
LO2	2	1	1	1	2	1	3	1	1	1	1	1	1	1	1
LO3	2	1	1	1	2	1	2	1	1	1	1	1	1	1	1
LO4	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration (hour)	Total workload (hour)
Practical lecture hours	14	8	112
Preparation to the lecture + Homework	9	2	18
Preparation to the committee exam	4	3	12
Mid-term/Quiz	4	2	8

Preparation to end of year general practical examination	1	10	10
End of year general practical examination	1	2	2
		Total workload	162
		Total workload / 25	162/25
		ECTS credits	6

Year 3

In the third year of their education, our students have compulsory theoretical committees consisting of clinical sciences and compulsory practical committees (Prosthodontics, Restorative Dentistry, Endodontics) and simulation (Restorative Dentistry, Prosthodontics, Anesthesia, Periodontology, Pedodontics, Orthodontics) aiming to integrate the theoretical knowledge obtained in different disciplines with practical applications. Students also have 2 elective courses (1 in Fall, 1 in Spring semester) that will be chosen from the elective course pool.

DTC300 Year 3 Theoretical Committees

Course Type	Course Code	Course Name	Theoretical Course Hour	Practical Course Hour	ECTS
Mandatory	DTC300	Year 3 Theoretical Committees	203	Nothing to Declare	17
Language of Course	**Course Level**	**Education Medium**	**Prerequisites**	**Lecturer in Charge**	
English	Undergraduate	Face to Face	DTC200, DPC200	Assoc. Prof. Dr. Sevcan Kurtulmuş Yılmaz	

Aim

Explaining the examination and radiographic findings in adult and pediatric patients and the approach to patients with different systemic diseases; teaching clinical, planning and laboratory stages of removable prostheses; explain the diagnosis and treatment methods of periodontal diseases; explaining advanced endodontic treatments; teaching the concept of adhesion and resin filling materials; teaching local anesthesia materials and techniques; explaining growth and development in terms of orthodontics and explaining orthodontic anomalies; to teach the instruments used in surgical procedures and infection control.

Subcommittees

Code of Subcommittee	Name of Subcommittee	ECTS	T
CS1	Examination	3	31
CS2	Removable Prostheses	3	33
CS3	Periodontal Treatment	3	32
CS4	Dental Tissue Diseases and Treatments IV	1	13
CS5	Local anesthesia	1	13
CS6	Dental Tissue Diseases and Treatments V	2	24
CS7	Systemic Diseases	2	24
CS8	Orthodontic Approaches	1	18
CS9	Oral & Maxillofacial Surgery	1	15

CS-1 Examination

(DTC300 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-1	Examination	3

Total Hour of Theoretical Courses	Total Hour of Practical Courses	Lecturer in Charge
34	Nothing to Declare	Assist. Prof. Dr. Gürkan Ünsal

Aims

Teaching anamnesis and preparation of diagnosis and treatment planning by using various radiography techniques in pediatric and adult patients, teaching the appearance of anatomical structures found in radiographs, teaching systemic diseases that cause symptoms in the maxillofacial region and/or affect treatment planning.

Learning Outcomes

LO1	Knows to take anamnesis from patient
LO2	Understands vital signs and the normal limits of these values
LO3	Knows systemic diseases and patient approach in these diseases, precautions to be taken
LO4	Understands odontogenic pain types and signs
LO5	Knows the examination techniques and findings to be used in different regions and evaluates these findings as a whole and prepares the treatment plan.
LO6	Knows extraoral radiography techniques and comprehends errors that may occur in films.
LO7	Comprehends examination methods and radiography techniques used in pediatric patients.
LO8	Diagnoses and plans treatment according to age groups in pediatric patients.

Content

Department	Name of Course	Hour
Oral & Maxillofacial Radiology	What is the anamnesis? Anamnesis Form, Patient CV and Patient Complaint	1
	Vital signs	1
	Odontogenic Pain	1
	Clinical and radiographic evaluation, Diagnosis and treatment planning	2
	Approach to Heart Diseases and Infective Endocarditis Patients, Prophylaxis	1
	Approach to Patients with Rheumatoid Arthritis, Acute Rheumatism, Diabetes, Respiratory Complaints	1
	Approach to Anemia and Blood Diseases	1
	Approach to Kidney and Liver Diseases	1
	Approach to Patients with Goiter, Eye and Ear Complaints	1
	Skin Rashes, Drug Allergies, Venereal Diseases and Approach to Pregnant Patients	1
	Inspection Techniques	1
	Extra-oral Examination Findings-1	1
	Extra-oral Examination Findings-2	1
	Extra-oral Examination Findings-3	1
	Intra-oral Examination Findings-1	1
	Intra-oral Examination Findings-2	1
	Intra-oral Examination Findings-3	1
	Dental Anomalies	2
	Parallactic Techniques	1
	Intra-oral Anatomical Landmarks	1
	Extra-oral Radiography Techniques	2
	Extra-oral Anatomical Landmarks	1
	Artifacts	1
	Digital Imaging Methods	2
Pedodontics	Inspection in Infants	2
	Examination in 3-6 Age Patients	1
	Examination in 6-12 Age Patients	1
	Examination in Patients in Adolescence	1
Endodontics	Endodontic Patient Examination	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
	Discussion		Practical / İmplementation		Preparing / Presenting Reports
X	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

References	
1	Mallya SM, Lam EWN. White and Pharoah's Oral Radiology. 8th Ed. Mosby, Elsevier Inc.
2	Glick M. Burket's Oral Medicine. 12th ed. People's Medical Publishing House -USA.
3	Tulunoğlu, Ö.; Tortop, T. (Çeviri editörleri). Çocuk diş hekimliği: bebeklikten ergenliğe, Ankara, 2009.
4	Alaçam, T; Endodonti, Ankara, 2000.
5	Course notes

Quantification and Consideration					
X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
	Practical / Implementation		Presentation	**X**	Committee Exam

Contribution of Learning Objectives to Program Competencies															
	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO1	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1
LO2	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1
LO3	2	1	4	4	1	1	1	1	1	1	1	1	1	1	1
LO4	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1
LO5	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1
LO6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO7	2	1	1	1	3	1	1	1	1	1	1	1	1	1	1
LO8	2	1	3	1	1	1	3	2	1	1	1	1	1	1	1

Workload and ECTS Calculation			
Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	31	1	31
Preparation for the Course	30	0,5	15
Preparation for the Committee Exam	1	15	15
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	5	5
Final Theoretical Exam	1	1	1
		Total Workload	68
		Total Workload /25	68/25
		ECTS	3

CS-2 Removable Dentures

(DTC300 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-2	Removable Prostheses	3

Total Hour of Theoretical Courses	Total Hour of Practical Courses	Lecturer in Charge
33	Nothing to Declare	Assist. Prof. Dr. Şifa Atabek

Aims

Teaching the concepts of complete and partial edentulism; introduction of removable prostheses, different types and application areas of removable dentures covering a wide range of prosthetic dental treatments; all clinical and laboratory stages starting from planning,

Learning Outcomes

LO1	Makes the classification of partially edentulous arches.
LO2	Knows the indications of removable partial and full dentures
LO3	Evaluates anatomical formations in terms of removable prostheses and explains biomechanical concepts
LO4	Comprehends impression techniques and impression materials used in removable prostheses.
LO5	Knows all the structural elements that make up removable prostheses
LO6	Knows the principles of occlusion, taking and transferring occlusal recordings.
LO7	Knows the materials and techniques used in all laboratory stages of removable prostheses
LO8	Understands all clinical stages of removable prostheses

Content

Department	Name of Course	Hour
Prosthodontics	COMPLETE DENTURES	
	Concepts of Complete and Partial Edentulism, Introduction to Removable Dentures, Classification of Partially Edentulous Arches	1
	Evaluation of Anatomical Formations in the Maxilla in Terms of Complete Prostheses	1
	Evaluation of Anatomical Formations in Mandible in Terms of Complete Dentures	1
	Factors Affecting Retention in Full Dentures	1
	Impression Methods and Impression Materials in Complete Dentures	2
	Post-dam Area and Construction Techniques	1
	Preparation of Base Plate and Wax Template for Full Dentures, Taking Models into Occlusor	1
	Horizontal Jaw Relationships, Determination of Centric Relationship	1
	Tooth Alignment and Occlusion in Complete Dentures	2
	Artificial Tooth Materials	1
	Trial and Phonation in Complete Dentures	1
	Base Materials Used in Removable Prostheses	1
	Laboratory Procedures in Complete Dentures (Flasking, Finishing, Leveling, Polishing)	1
	Finishing Full Dentures, Patient Delivery, Occlusal Abrasions, Herbst Tests	2
	PARTIAL DENTURES	
	Anatomical and Functional Impressions in Partial Prostheses	2
	Structural Elements of Partial Prostheses, Related Principles and Surveyor	2
	Obtaining Base Plate, Wax Template and Occlusal Records in Partial Prostheses	1
	Clasp Bending and Construction Techniques in Classic Partial Dentures	1
	Retention and Stabilization Concepts in Removable Partial Prostheses	2
	Biomechanical Concepts in Removable Partial Prostheses	2
	Partial Dentures Components - Direct Retainers	1
	Partial Dentures Components - Indirect Retainers and Rests	1
	Partial Dentures Components - Major and Minor Connectors	1
	Partial Dentures Components - Major and Minor Connectors	1
	Laboratory Stages of Partial Prostheses with Frameworks	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
	Discussion		Practical / İmplementation		Preparing / Presenting Reports
	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

References

1 Dişsiz Hastaların Protetik Tedavisi - Klasik Tam Protezler, Quentissence Publ. / Prof. Dr. Senih Çalıkkocaoğlu

2	Diş Hekimliğinde Hareketli Bölümlü Protezler Cilt I ve II - 3. Baskı, Ankara, 2010. / Prof. Dr. Mutahhar Ulusoy ve Prof. Dr. A. Kevser Aydın
3	McCracken's Removable Partial Prosthodontics - Mosby Elsevier, 12. Edition. / Alan B. Carr and David T. Brown
4	Course notes

Quantification and Consideration

X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
	Practical / İmplementation		Presentation		Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
LO2	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1
LO3	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1
LO4	1	1	1	1	3	1	2	1	1	1	1	1	1	1	1
LO5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO6	2	1	1	1	1	1	3	1	1	1	1	1	1	1	1
LO7	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1
LO8	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	33	1	33
Preparation for the Course	30	0.5	15
Preparation for the Committee Exam	1	15	15
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	5	5
Final Theoretical Exam	1	1	1
		Total Workload	70
		Total Workload /25	70/25
		ECTS	3

CS-3 Periodontal Treatment

(DTC300 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-3	Periodontal Treatment	3

Total Hour of Theoretical Courses	Total Hour of Practical Courses	Lecturer in Charge
32	Nothing to Declare	Asist. Prof. Dr. Ayşe Çaygür

Aims

To teach the diagnosis and treatment of periodontal diseases, to give information about risk assessment and prognosis, to teach the scaling and root planning procedures, to teach the causes and types of bone loss due to aging. Giving information about surgical periodontal treatment.

Learning Outcomes

LO1	Diagnoses various periodontal diseases, determines prognosis and do the treatments
LO2	Knows the changes in the periodontium with aging and how to perform periodontal treatment in the elderly
LO3	Knows periodontal immunity and inflammation
LO4	Knows classification, diagnosis and treatment methods of oral malodor
LO5	Gives oral hygiene education to the patient, knows the scaling and root planning procedures
LO6	Knows the types and causes of bone loss, classifies bone losses, diagnoses radiographically, has information about resective and regenerative bone treatments
LO7	Knows the points to be considered in periodontal treatment in HIV positive patients and female patients
LO8	Have knowledge about surgical periodontal treatment

Content

Department	Name of Course	Hour
Periodontology	Aging and Periodontium	1
	Immunity and Inflammation	3
	Oral Malodor	1
	Scaling Root Planning	1
	Patient Motivation	1
	Bone Loss Patterns	1
Oral Diagnosis and Radiology	Periodontal Radiology	2
Periodontology	Occlusal Trauma	1
	Periodontology in HIV Positive Patients	1
	Aggressive Periodontitis	1
	Necrotizing Ulcerative Gingivitis	1
	Clinical Diagnosis and Evaluation of Risk	1
	Prognosis and Treatment Plan	1
	Periodontal Therapy in Women	1
	Periodontal Therapy in Elderly People	1
	Aggressive and Atypical Periodontal Treatment	1
	Periodontal Abscess	1
	Treatment of Acute Periodontal Diseases	1
	Periodontitis Associated with Endodontic Lesions	1
	Advanced Periodontal Diagnosis Techniques	1
	Chemotherapeutic agents used in periodontal therapy	1
	Host Modulation	1
	Surgical Phase of Treatment	1
	Subgingival curettage	1
	Flap in periodontal pocket therapy	1
	Resective bone surgery	1
	Guided Tissue Regeneration	1
	Periodontology and Orthodontics	1
	Supportive periodontal therapy	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
	Discussion		Practical / İmplementation		Preparing / Presenting Reports
X	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

References

1	Lindhe, J. (1984). A textbook of clinical periodontology, WB Saunders Company.
2	Carranza, F.A. Ve Glickman, I. (1979). Glickman's Clinical Periodontology, Saunders.
3	Çağlayan, G. (2018). Periodontologi and İmplantology, Quintessence, Türkiye.
4	Çağlayan, G. (2010). Periodontoloji, Hacettepe Üniversity, Ankara.
5	White and Pharoah's Oral Radiology (2018), 8. Edition.
6	Course notes

Quantification and Consideration

X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
	Practical / İmplementation		Presentation	**X**	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO1	2	2	2	3	1	1	2	2	1	1	1	1	1	1	1
LO2	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1
LO3	1	1	3	2	1	1	2	1	1	1	1	1	1	1	1
LO4	2	2	2	2	1	1	2	2	1	1	1	1	1	1	1
LO5	1	2	3	2	1	1	1	3	1	1	1	1	1	1	1
LO6	1	2	3	2	1	1	1	3	1	1	1	1	1	1	1
LO7	1	2	3	2	1	1	1	3	1	1	1	1	1	1	1
LO8	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	32	1	32
Preparation for the Course	32	0,5	16
Preparation for the Committee Exam	1	10	10
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	6	6
Final Theoretical Exam	1	1	1
		Total Workload	66
		Total Workload /25	66/25
		ECTS	3

CS-4 Diseases and Treatments of Dental Tissues IV

(DTC300 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-4	Dental Tissue Diseases and Treatments IV	1

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
13	Nothing to Declare	Dr. Mohammed Abduljalil

Aim of the Committee

In case of complications during endodontic treatment, the decision to perform retreatment or endodontic surgery; to diagnose dental anomalies, endodontics-periodontology lesions and root resorptions and to determine appropriate endodontic approaches; to teach behavioral directions in clinical practice in pediatric patients; giving information and teaching the extraction techniques in these teeth.

Learning Objectives

LO1	Evaluates the success of endodontic treatment and decides retreatment.
LO2	Identifies endodontic complications and dental anomalies and knows the appropriate endodontic approaches.
LO3	Diagnosis endo-perio common lesions and root resorption and knows treatment options.
LO4	Knows endodontic surgery techniques and analyzes the required conditions.
LO5	Knows the effects of restoration procedures on pulp tissue.
LO6	Knows the indications and method of apical resection.
LO7	Guides behavior in children.
LO8	Comprehend proper cavity preparations and extraction techniques in deciduous teeth.

Content of Committee

Department	Subject	Hour
Endodontics	Evaluation of Success in Endodontic Treatment and Single Visit Root Canal Treatment	1
	Endodontic Treatment Complications	1
	Endodontics-Periodontology Lesions	1
	Endodontic Approach in Dental Anomalies	1
	Root Canal Retreatment	1
	Endodontic Surgery	1
	Root Resorptions	1
	Effects of Restoration Materials on Dental Pulp	1
Oral, Dental and Maxillofacial Surgery	Apical Resection	1
Pediatric Dentistry	Behavior Guidance	1
	Deciduous Teeth Cavity Principles	1
	Indications for deciduous tooth extraction	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
X	Discussion		Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Bergenholtz G, Hørsted-Bindslev P, Reit C. Textbook of Endodontology, 2nd Edition, 2013.
2	Berman LH, Hargreaves KM. Cohen's Pathways of the Pulp, 10th Edition, 2010.
3	Course notes

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term/Quiz
	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1
LO2	1	1	2	1	1	1	3	1	1	1	1	1	1	1	1
LO3	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1
LO4	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1
LO5	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1

LO6	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
LO7	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1
LO8	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation			
Activities	Number	Duration (hour)	Total workload (hour)
Practical lecture hours	13	1	13
Preparation to the lecture + Homework	13	1	13
Preparation to the committee exam	1	1	1
Mid-term/Quiz	1	1	1
Preparation to end of year general practical examination	1	1	1
End of year general practical examination	1	1	1
		Total workload	30
		Total workload / 25	30/25
		ECTS credits	1

CS-5 Local Anesthesia

(DTC300 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-5	Local Anesthesia	1

Total Hour of Theoretical Courses	Total Hour of Practical Courses	Lecturer in Charge
13		Assist. Prof. Dr. Mehmet Gagari Caymaz

Aim of the Committee

Teaching the selection criteria and mechanism of action of anesthetic agents used in all disciplines of dentistry, application methods and complications related to local anesthesia.

Learning Outcomes

LO1	Knows the nerve anatomy of the maxillofacial region, nerve conduction mechanisms and innervations
LO2	Knows the types and mechanisms of local anesthetic agents.
LO3	Knows the selection of the appropriate anesthetic agent according to the systemic condition of the patients.
LO4	Knows the appropriate anesthesia application methods according to the operation.
LO5	Knows the complications and treatment that may arise from local anesthetic agents.

Content of Committee

Department	Subject	Hour
Oral and Maxillofacial Surgery	History of Anesthesia, Development of Local Anesthesia	1
	Pain Physiology, Pain Routes, Conduction Mechanism in Nerves	1
Pharmacology	Structures and Effect Mechanisms of Local Anesthetic Substances	2
Oral and Maxillofacial Surgery	Local Anesthetic Substances and Vasopressors	1
	N. Trigeminus, N. Facialis Anatomy and Teeth Innervation	1
	Local Anesthesia Methods (Regional, Infiltration, Trinocular)	1
	Mandibular Anesthesia	1
	Maxillary Anesthesia	1
Pedodontics	Local Anesthesia Methods in Children	1
Oral and Maxillofacial Surgery	Local Complications of Local Anesthesia	1
	General Complications of Local Anesthesia	1
	Local Anesthesia Approach in Systemic Diseases and Complications	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
	Discussion		Practical / İmplementation		Preparing / Presenting Reports
X	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Course Resources

1	Handbook of Local Anesthesia, Stanley F Malamed, 6th Edition, 2013, Elsevier.
2	Handbook of Local Anesthesia, Stanley F Malamed, 4th Edition, 1997, Mosby.
3	Netter's Head and Neck Anatomy for Dentistry, Neil's Norton, 3rd Edition, 2017 Elsevier
4	Manuel of Local anesthesia in Dentistry, AP Chitre, 2nd Edition, 2010, JAYPEE.

Quantification and Consideration

X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
	Practical / İmplementation		Presentation	X	Committee Exam

Contribution of Learning Outcome to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	2	3	1	2	1	1	1	1	1	1	1	1	1	1	1
KO 2	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1
LO 3	1	2	3	3	1	1	1	1	1	1	1	1	1	1	1
LO 4	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1
LO 5	1	2	3	4	1	1	1	1	1	1	1	1	1	1	1

Contribution level:	1: No	2: Poor	3: Moderate	4: Good	5: Very Good

Workload and ECTS Calculation			
Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	13	1	13
Preparation for the Course	10	0,5	5
Preparation for the Committee Exam	1	8	8
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	3	3
Final Theoretical Exam	1	1	1
		Total Workload	31
		Total Workload / 25	31/25
		ECTS Credits	1

CS-6 Diseases and Treatments of Dental Tissues-V

(DTC300 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-6	Diseases and Treatments of Dental Tissues-V	2

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
24	-	Dr. Dt. Özgü İlkcan Karadağlıoğlu

Aim of the Committee

Teaching the etiology, classification and diagnosis of degradation of dental hard tissues, teaching the ideal restorative and prosthetic treatment methodologies to qualify the aesthetic and function of the highly degraded primary and permanent teeth, teaching minimal invasive dentistry, term and the requirements of adhesion, clinical applications of adhesive systems and composite resins.

Learning Objectives

LO1	Comprehends the etiology and the differential diagnosis of the degradation of dental hard tissues.
LO2	Knows the restorative and prosthetic applications for the treatment of highly degraded vital or devital primary and permanent teeth.
LO3	Comprehends the methodology of minimal invasive dentistry and knows the materials and devices used in this field.
LO4	Comprehends adhesion and the requirements of adhesive dentistry, knows the development, the properties ant the clinical applications of adhesive systems.
LO5	Knows the physical and chemical characteristics of composite resins, the clinical applications of composite resins and the repair methods related to the failure of these restorations.

Content of Committee

Department	Subject	Hour
TREATMENT METHODOLOGY FOR HIGHLY DEGRADED TEETH		
Restorative Dentistry	Etiology of Degradation (Abrasion, Attrition, Abfraction, Erosion)	2
	Dentin Pins and Complex Amalgam Restorations	2
	Composite Resin Inlays and Onlays	1
Prosthodontics	Ceramic Inlays and Onlays	1
	Restoration of Endodontically Treated Teeth (Prefabricated and Casting Posts)	1
Pedodontics	Stainless Steel Crowns	2
RESTORATIVE DENTISTRY		
Restorative Dentistry	Minimal Invasive Methods for Caries Removal	2
	Modern Cavity Rules	2
	Adhesion	2
	Adhesive Systems	2
	Composite Resins	2
	Clinical Application Methods of Composite Resins	2
	Finishing and Polishing of Composite Resin Restorations	1
	Clinical Failure of Composite Resin Restorations	1
	Criteria for Repair and Renewal of Restorations and Methodology of Repair	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
X	Discussion		Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer	X	Case Observation		Team Work
	Observation	X	Problem/Problem Solving		Brain Storming

References

1	Arthur J. Nowak, John R. Christensen, Tad R. Mabry, Janice A Townsend, Martha H. Wells Pediatric Dentistry - Infancy through adolescence, 6th edition, Elsevier
2	Marwah N. Textbook of Pediatric Dentistry, Jaypee, 2014
3	Garg, N., Garg, A., Amita, Chandra, A., Dinghra, A., Singh, A. ve diğerleri. (2013). Textbook of Operative Dentistry. Hindistan: Jaypee Brothers Medical Publishers (P) Ltd.
4	Heymann, H. O., Swift, Jr, E. J., Ritter, A. V., Bayne, S. C., Boushell, L. W., Crawford, J. J. & ve diğerleri. (2012). Sturdevant's Art and Science of Operative Dentistry. (6.bs). ABD: Mosby, Elsevier Inc.
5	Dayangaç, B. (2000). Kompozit rezin restorasyonlar. Güneş Kitabevi.
6	Course Materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term

	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15
LO1	2	1	3	1	1	1	1	2	1	1	1	1	1	1	1
LO2	2	1	3	1	1	1	2	1	1	1	1	1	1	1	1
LO3	1	1	2	1	3	1	1	1	1	1	1	1	1	1	1
LO4	2	1	1	1	3	1	1	1	1	1	1	1	1	1	1
LO5	2	1	1	1	3	1	2	1	1	1	1	1	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration (hour)	Total workload (hour)
Theoretical lecture hours	24	1	24
Preparation to the lecture	24	0,5	12
Preparation to the committee exam	1	8	8
Committee exam	1	1	1
Preperation to end of year general theoretical examination	1	3	3
End of year general theoretical examination	1	1	1
		Total workload	49
		Total workload / 25	49/25
		ECTS Credit	2

CS-7 Systemic Diseases

(DTC300 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-7	Systemic Diseases	2

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
24	Nothing to Declare	Assoc. Prof. Lokman Onur Uyanık

Aim of the Committee

Teaching of dental approaches, drugs used and prophylactic approaches in children and adults with systemic diseases.

Learning Objectives

LO 1	Knows the dental procedures in case of childhood diseases
LO 2	Comprehends the procedures to be applied in individuals with systemic diseases.
LO 3	Comprehends the dental procedures in case of infectious diseases
LO 4	Knows the concepts of focal infection and prophylaxis in dentistry
LO 5	Knows the evaluation of blood biochemistry data
LO 6	Knows the drugs used in dentistry and their prescriptions

Content of Committee

Department	Subject	Hour
Pedodontics	Childhood Diseases and Dentistry	3
Periodontology	Periodontology and Systemic Diseases	3
Endodontics	Endodontics in Systemic Diseases	1
Oral and Maxillofacial Surgery	Surgery in Systemic Diseases	4
	Dentistry in Infectious Diseases	1
	Dentistry in Pregnancy	1
	Focal Infection Concept and Prophylaxis	1
Biochemistry	Laboratory Blood Biochemistry and Evaluation	2
Pharmacology	Drugs Used in Dentistry and Prescription	3
Oral and Maxillofacial Surgery	Drug Use in Dentistry	4
Endodontics	Systemic Drug Use in Endodontics	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
	Discussion		Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Contemporary Oral and Maxillofacial surgery, James R. Hupp, Edward Ellis III, Myron R. Tucker
2	Koch, G; Poulsen, S. Pediatric Dentistry: A Clinical Approaches, Wiley-Blackwell 2nd Edition, 2013.
3	Alaçam, T. Endodonti, Nobel Kitabevi, 1. Baskı, 2012.
4	Yılmaz, T. Canlıda organik yapı. Ankara, 2007.
5	Lecture notes

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term/Quiz
	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	2	1	3	3	1	1	1	2	1	1	1	1	1	1	1
LO 2	2	1	3	3	1	1	1	1	1	1	1	1	1	1	1
LO 3	2	1	2	3	1	1	1	2	1	1	1	1	1	1	1
LO 4	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1
LO 5	1	1	1	3	1	3	1	1	1	1	1	1	1	1	1
LO 6	2	1	1	3	1	3	1	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation			
Activities	Number	Duration(hour)	Total workload (hour)
Practical lecture hours	24	1	24
Preparation to the lecture + Homework	20	0,5	10
Preparation to the committee exam	1	8	8
Mid-term/Quiz	1	1	1
Preparation to end of year general practical examination	1	4	4
End of year general practical examination	1	1	1
		Total workload	48
		Total workload/ 25	48/25
		ECTS credits	2

CS-8 Orthodontic Approaches

(DTC300 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-8	Orthodontic Approaches	2

Total Hour of Theoretical Courses	Total Hour of Practical Courses	Lecturer in Charge
18	Nothing to Declare	Assist. Prof. Dr. Kemal Güldüren

Aim of the Committee

Teaching the orthodontics and relationship between orthodontics and growth & development, teaching bone structure and formation, teaching growth and development terminology and basic principles, teaching the growth and development of the skull base, maxilla and mandible in prenatal and postnatal periods, teaching the development of dentition and skeletal anomalies.

Learning Outcomes

LO1	Understands the importance of growth and development in terms of orthodontic malocclusion and treatment.
LO2	Knows the formation, displacement and remodeling of bone structure.
LO3	Understands the interaction of the jaw and facial bones in the craniofacial complex during the growth and development period.
LO4	Knows the definition and features of skeletal class I, II, III anomalies and dentoalveolar compensation mechanism.
LO5	Knows the features of congenital anomalies

Content of Committee

Department	Subject	Hour
Orthodontics	The Relationship of Orthodontics with Growth and Development	1
	Growth and Development	6
	Normal Concept, Functional Anatomy	1
	Growth and Development of Dental Arches, Transition from Primary Dentition to Permanent Dentition	1
	Removable Appliances	1
	Factors Influencing Malocclusion Etiology	1
	Orthodontic Diagnosis and Anamnesis, Orthodontic Model, Cephalometry	1
	Hand-wrist Films, Periapical and Occlusal Films, and Photograph	1
	Skeletal Anomalies	2
	Orthodontic Tooth Movements and Its Histology	1
	Orthodontic Evaluation of the Stomatognathic System, Hormones and Habits	1
	Congenital Anomalies	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
X	Discussion		Practical / İmplementation		Preparing / Presenting Reports
X	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Course Resources

1	Mustafa Ülgen. ORTODONTİ Anomaliler, Sefalometri, Etiyoloji, Büyüme ve Gelişim, Tanı, 2001
2	William R. Proffit. Contemporary Orthodontics, 5th edition.
3	Course notes

Quantification and Consideration

X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
	Practical / İmplementation		Presentation	X	Committee Exam

Contribution of Learning Outcome to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 3	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 4	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1
LO 5	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1
Contribution level:	1: No			2: Poor			3: Moderate			4: Good			5: Very Good		

Workload and ECTS Calculation			
Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	18	1	18
Preparation for the Course	8	0,5	4
Preparation for the Committee Exam	1	7	7
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	8	8
Final Theoretical Exam	1	1	1
		Total Workload	39
		Total Workload / 25	39/25
		ECTS Credits	2

CS-9 Oral and Maxillofacial Surgery

(DTC300 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-9	Oral & Maxillofacial Surgery	1

Total Hour of Theoretical Courses	Total Hour of Practical Courses	Lecturer in Charge
15	0	Asst. Prof. Dr. Mehmet Gagari Caymaz

Aim of the Committee

Introducing the instruments used in surgical procedures, teaching general principles of minor surgeries and infection control methods.

Learning Outcomes

LO 1	Knows the basic definitions and concepts of Oral and Maxillofacial Surgery.
LO 2	Learns the instruments used in oral, dental and maxillofacial surgery practice.
LO 3	Knows the minor surgery instruments and techniques
LO 4	Knows the wound types and the treatments
LO 5	Learns the hemorrhage types and managements
LO 6	Learns the infection control machines and techniques

Content

Department	Name of Course	Theoretical	Practical
Oral and Maxillofacial Surgery	Introduction to Oral & Maxillofacial Surgery and History	1	
	Instruments Used in Surgical Practice	1	
	Tooth Extraction General Principles, Indications, Contraindications	2	
	Tooth Extraction Techniques, Root Extraction Ankylosed Open Extraction	2	
	Tooth Extraction Local and Systemic Complications	2	
	Incision, Suture and Flap Techniques and Materials	3	
	Wound Types and Treatment	1	
	Hemorrhages and Treatments	1	
	Asepsis, Antisepsis and Preparation for Surgery	1	
	Sterilization Methods and Devices	1	

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
X	Discussion		Practical / İmplementation		Preparing / Presenting Reports
X	Question & Answer	X	Case Study		Team / Group Work
	Observation		Problem / Problem Solving	X	Brainstorming

Course Resources

1	Rajgopal Shenoy: Manipal Manuel of Surgery with Clinical Methods for Dental Students, Sec. Edith.
2	Geeti Vajdi Mitra: Illustrated Manuel of Oral and Maxillofacial Surgery, Jaypee
3	Peterson's Principles of Oral & Maxillofacial Surgery
4	Course Notes

Quantification and Consideration

X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
	Practical / İmplementation		Presentation	X	Committee Exam

Contribution of Learning Outcome to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	2	1	1	1	4	1	1	1	1	1	1	1	1	1	1
LO 2	2	1	3	2	1	1	3	1	1	1	1	1	1	1	1
LO 3	2	1	1	1	3	1	2	1	1	1	1	1	1	1	1
LO 4	1	1	4	1	1	1	2	1	1	1	1	1	1	1	1
LO 5	2	1	4	1	2	1	1	1	1	1	1	1	1	1	1
LO 6	1	1	1	1	4	1	1	1	4	1	1	1	1	1	1

Contribution level:	1: No	2: Poor	3: Moderate	4: Good	5: Very Good

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	15	1	15
Preparation for the Course	8	0,5	4
Preparation for the Committee Exam	1	4	4
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	3	3
Final Theoretical Exam	1	1	1
		Total Workload	28
		Total Workload / 25	28/25
		ECTS Credits	1

DPC300 Year 3 Practical Committees

Type of Committee	Code of Committee	Name of Committee	Theoretical Course Hour	Practical Course Hour	ECTS
Mandatory	DPC300	Third Year Practical Committee	-	440	31
Language of Committee	**Committee Level**	**Delivery Method of Committee**	**Prerequisites**	**Lecturer in Charge**	
English	Undergraduate	Face to Face (Supplemented with online modality)	DTB200, DPB200	Assoc. Prof. Dr. Özay Önöral	

Aim

Reinforcing the theoretical knowledge of different disciplines of dentistry with practical applications; developing the student's manipulation ability, teaching different materials and application techniques; preparing students for the clinic by performing practical implementations on phantom heads in the simulation laboratory.

Subcommittees

Code of Subcommittees	Name of Subcommittees	ECTS	Practical Course Hour
PC1	Restorative Dentistry Pre clinic	7	112
PC2	Prosthodontics Pre clinic	7	112
PC3	Endodontics	7	112
SPC1	Restorative Dentistry Simulation	2	20
SPC2	Prosthodontics Simulation	2	20
SPC3	Orthodontics	1	12
SPC4	Anesthesia	1	24
SPC5	Periodontology	1	4
SPC6	Pedodontics	3	24

PC-1 Restorative Dentistry

(DPC300 Practical Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Clinical Sciences	PC-1	Restorative Dentistry	7

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
Nothing to Declare	112	Assist. Prof. Dr. Laden Güleç Alagöz

Aim of the Subcommittee

It is aimed to teach the application of amalgam and composite resin restorations to Black I, Black II, Black V cavities prepared according to Black principles, to explain Black III and Black IV cavity preparations prepared in the aesthetic region, to teach matrix and wedge applications, and to prepare conservative cavities in accordance with modern cavity rules.

Learning Objectives

LO 1	Comprehends the physical and chemical properties of amalgam restorative material and puts into practice.
LO 2	Understands modern cavity principles and applies conservative cavity preparation by using this methodology.
LO 3	Applies Black III and Black IV cavity preparations for anterior teeth.
LO 4	Recognizes and applies matrix systems used for restoration of anterior teeth.

Content of Subcommittee

Department	Subject
Restorative Dentistry	Discussing the properties of amalgam restorative material, showing its application on the demonstration
	Amalgam restoration of Black I and Black II (bilateral, trihedral) cavities in maxillary and mandibular posterior teeth
	Restoration of tooth-specific cavities, occlusobuccal (OB), occlusopalatal (OP), and Black V cavity with amalgam
	Black III, Black IV, and pit cavity preparation in maxillary and mandibular anterior teeth
	Matrix application and cavity restoration in the anterior region
	Modern Cavity Preparation Demonstrations, Slot, Tunnel cavity preparation and restoration
	Modern Cavity Preparation Demonstrations, Box-only and Occlusal + occlusal + Black VI cavity preparation and restoration
	Preparation and restoration of modified Black II cavities (Occlusomesial, occlusodistal)

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Heymann HO, Swift Jr EJ, Ritter AV, Bayne SC, Boushell LW, Crawford JJ & et al. (2012). Sturdevant's Art and Science of Operative Dentistry. (6. ed). ABD: Mosby, Elsevier Inc.
2	Garg N, Garg A, Amita Chandra A, Dinghra A, Singh A & et al. (2013). Textbook of Operative Dentistry. Hindistan: Jaypee Brothers Medical Publishers (P) Ltd.
3	Dayangaç, B. (2000). Kompozit rezin restorasyonlar. Güneş Kitabevi.
4	Course materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	2	1	1	2	3	1	2	1	1	1	1	1	1	1	1
LO 2	2	1	1	2	3	1	3	1	1	1	1	1	1	1	1
LO 3	2	1	1	2	3	1	3	1	1	1	1	1	1	1	1
LO 4	2	1	1	1	2	1	2	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)

Practical lecture hours	14	8	112
Preparation to the lecture + Homework	9	3	27
Preparation to the committee exam	1	4	4
Mid-term/Quiz	1	3	3
Preparation to end of year general practical examination	1	16	16
End of year general practical examination	1	3	3
		Total workload	165
		Total workload/ 25	165/25
		ECTS credits	7

PC-2 Prosthetic Dentistry

(DPC300 Practical Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Clinical Sciences	PC-2	Prosthodontics	7

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
Nothing to Declare	112	Assoc. Prof. Dr. Özay Önöral

Aim of the Subcommittee

Teaching Kennedy classification in partially edentulous patients; Introducing the axis, plane and movements that will occur depending on the classification; Explaining the biomechanical principles; Integrating the concepts of retention and stabilization with the planning principles; Teaching the dental materials used in the construction of full and partial removable dentures and applying the laboratory construction stages.

Learning Objectives

LO 1	Knows dental materials used in the production of complete dentures.
LO 2	Knows and applies the laboratory construction stages of complete dentures to be produced for edentulous patients.
LO 3	Can make prosthetic treatment planning of patients with partial edentulism.
LO 4	Knows the dental materials used in the production of removable partial dentures.
LO 5	Knows and applies the laboratory construction stages of removable partial dentures to be produced for partially edentulous patients.

Content of Subcommittee

Department	Subject
Prosthodontics	Introduction to the preclinic, general rules and material presentation
	First impression and individualized tray making in complete dentures
	Base-plating, wax-riming and transfer to occlusor in fully edentulous models
	Tooth alignment in complete dentures
	Acrylic procedures, finishing, leveling and polishing in complete dentures
	Clasp bending in removable partial dentures
	Base-plating, wax-riming, transfer to occlusor, and tooth alignment in removable partial dentures
	Acrylic procedures, finishing, leveling and polishing in removable partial dentures

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Çalıkkocaoğlu S. Dişsiz Hastaların Protetik Tedavisi. 5. baskı. Quintessence Yayıncılık. 2010.
2	Ulusoy M, Aydın K. Hareketli Bölümlü Protezler I - II. 3. baskı. Ankara Üniversitesi Basımevi. 2010.
3	Course materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

Learning Outcomes	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	1	1	1	1	4	1	3	1	1	1	1	1	1	1	1
LO 2	2	1	1	1	4	1	3	1	1	1	1	1	1	1	1
LO 3	1	1	3	1	1	1	3	1	1	1	1	1	1	1	1
LO 4	1	1	1	1	4	1	3	1	1	1	1	1	1	1	1
LO 5	2	1	1	1	4	1	3	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Practical lecture hours	14	8	112

Preparation to the lecture + Homework	9	3	27
Preparation to the committee exam	1	4	4
Mid-term/Quiz	1	3	3
Preparation to end of year general practical examination	1	16	16
End of year general practical examination	1	3	3
		Total workload	165
		Total workload/ 25	165/25
		ECTS credits	7

PC-3 Endodontics

(DPC300 Practical Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Clinical Sciences	PC-3	Endodontics	7

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
Nothing to Declare	112	Assoc. Prof. Dr. Umut AKSOY

Aim of the Subcommittee

Teaching the general principles of root canal cleaning, shaping and canal filling procedures in endodontic treatment; Preparing the student for the clinic by teaching the root canal treatment stages of maxillary and mandibular anterior and posterior teeth at preclinical level.

Learning Objectives

LO 1	Understands and applies the basic principles of working length determination in root canal treatment.
LO 2	Understands and applies the general principles of root canal cleaning and shaping in root canal treatment.
LO 3	Understands and applies the general principles of filling the root canals in root canal treatment.
LO 4	Makes endodontic applications on extracted permanent teeth.

Content of Subcommittee

Department	Subject
Endodontics	Preparation of teeth for root canal treatment
	Working length determination in root canal treatment
	Discussion and demonstration of the general principles of cleaning and shaping the root canals
	Discussion and demonstration of the general principles of filling root canals
	Cleaning, shaping and filling of root canals in maxillary incisors
	Cleaning, shaping and filling of root canals in mandibular incisors
	Cleaning, shaping and filling of root canals in maxillary canines
	Cleaning, shaping and filling of root canals in mandibular canines
	Cleaning, shaping and filling of root canals in maxillary premolars
	Cleaning, shaping and filling of root canals in mandibular premolars
	Cleaning, shaping and filling of root canals in maxillary molars
	Cleaning, shaping and filling of root canals in mandibular molars

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Alaçam, T. (2012) Endodonti
2	Hargreaves KM & Berman LH. (2015). Cohen's pathways of the pulp expert consult. Elsevier Health Sciences.
3	Raif Erişen (Editör), Torabinejat (Yazar) (2011) Endodonti Temel İlkeler ve Uygulamalar
4	Course materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

Learning Outcomes	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	2	1	2	1	3	1	3	1	1	1	1	1	1	1	1
LO 2	2	1	2	1	3	1	3	1	1	1	1	1	1	1	1
LO 3	2	1	2	1	3	1	3	1	1	1	1	1	1	1	1
LO 4	2	1	2	1	3	1	3	1	1	1	1	1	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)

Practical lecture hours	28	4	112
Preparation to the lecture + Homework	11	3	33
Preparation to the committee exam	1	4	4
Mid-term/Quiz	1	3	3
Preparation to end of year general practical examination	1	16	16
End of year general practical examination	1	3	3
		Total workload	171
		Total workload/ 25	171/25
		ECTS credits	7

SPC-1 Restorative Dentistry

(DPC300 Practical Committees – Simulation Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Clinical Sciences	SPC-1	Restorative Dentistry	2

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
Nothing to Declare	20	Assist. Prof. Dr. Laden GÜLEÇ ALAGÖZ

Aim of the Subcommittee

It is aimed to teach traditional and modern cavity preparations on permanent teeth with a high-speed rotary instrument, and to prepare the student for the clinic by applying the restoration steps and capping procedures.

Learning Objectives

LO 1	Performs cavity preparation and restoration of permanent teeth using Black principles.
LO 2	Applies occlusobuccal (OB) occlusopalatal (OP) preparation and restoration of tooth-specific cavities in permanent teeth.
LO 3	Understands the concept of adhesion, physical, and chemical properties of composite resin restorative material and applies it on permanent teeth.
LO 4	Performs capping applications on permanent teeth.

Content of Subcommittee

Department	Subject
Restorative Dentistry	Discussion of composite resin material properties and adhesion, and demonstration of material applications
	Restoration of Black I and Black II cavities in maxillary and mandibular posterior permanent teeth with composite resin
	Demonstrations of tooth-specific cavity preparation, occlusopalatal (OP) and occlusobuccal (OB) cavity preparation and restoration
	Capping application on maxillary and mandibular posterior teeth

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Heymann HO, Swift Jr EJ, Ritter AV, Bayne SC, Boushell LW, Crawford JJ & et al. (2012). Sturdevant's Art and Science of Operative Dentistry. (6. ed). ABD: Mosby, Elsevier Inc.
2	Garg N, Garg A, Amita Chandra A, Dinghra A, Singh A & et al. (2013). Textbook of Operative Dentistry. Hindistan: Jaypee Brothers Medical Publishers (P) Ltd.
3	Course materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

Learning Outcomes	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	2	1	1	1	2	1	3	1	1	1	1	1	1	1	1
LO 2	2	1	1	1	2	1	3	1	1	1	1	1	1	1	1
LO 3	2	1	1	1	4	1	3	1	1	1	1	1	1	1	1
LO 4	2	1	2	1	3	1	3	1	1	1	1	1	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Practical lecture hours	5	4	20
Preparation to the lecture + Homework	2	2	4

Preparation to the committee exam	1	4	4
Mid-term/Quiz	1	3	3
Preparation to end of year general practical examination	1	4	4
End of year general practical examination	1	8	8
		Total workload	43
		Total workload/ 25	43/25
		ECTS credits	2

SPC-2 Prosthetic Dentistry

(DPC300 Practical Committees – Simulation Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Clinical Sciences	SPC-2	Prosthodontics	2

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
Nothing to Declare	20	Assoc. Prof. Dr. Özay ÖNÖRAL

Aim of the Subcommittee

Teaching the dental materials used in the construction of fixed prosthetic restorations; Applying dental preparations and impression steps for crown, bridge, inlay and onlay restorations on phantom jaws in the simulation laboratory; Preparing the student for the clinic by teaching post-core application on extracted permanent teeth.

Learning Objectives

LO 1	Knows dental materials used in the construction of fixed prosthetic restorations.
LO 2	Applies the principles of tooth preparation for inlay, onlay, crown-bridge restorations on phantom jaws.
LO 3	Applies impression steps on phantom jaws for fixed prosthetic restorations.
LO 4	Knows treatment options in teeth with advanced tissue loss, comprehends post-core application.

Content of Subcommittee

Department	Subject
Prosthodontics	Introduction to phantom, general rules and material introduction
	Anterior bridge preparation and impression in fixed prostheses
	Posterior bridge preparation and impression in fixed prostheses
	Full mouth bridge preparation and impression
	Post-core application and impression

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Rosenstiel SF, Land MF, Fujimoto J. Contemporary Fixed Prosthodontics (5. bs.). St. Louis: Elsevier Inc. (2016).
2	Zaimoğlu A, Can G. Sabit Protezler. (31. bs.). Ankara: Ankara Üniversitesi Basımevi. (2011).
3	Course materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

Learning Outcomes	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	2	1	1	1	4	1	3	1	1	1	1	1	1	1	1
LO 2	2	1	2	1	3	1	3	1	1	1	1	1	1	1	1
LO 3	2	1	2	1	4	1	3	1	1	1	1	1	1	1	1
LO 4	3	2	3	1	3	1	3	1	1	1	1	1	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Practical lecture hours	5	4	20
Preparation to the lecture + Homework	2	2	4
Preparation to the committee exam	1	4	4
Mid-term/Quiz	1	3	3
Preparation to end of year general practical examination	1	4	4
End of year general practical examination	1	8	8

Total workload	43
Total workload/ 25	43/25
ECTS credits	2

SPC-3 Orthodontics

(DPC300 Practical Committees – Simulation Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Clinical Sciences	SPC-3	Orthodontics	1

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
Nothing to Declare	12	Assist. Prof. Dr. Beste KAMİLOĞLU

Aim of the Subcommittee

Teaching the production of removable appliances and the clasp and arch bending used for appliances.

Learning Objectives

LO 1	Detects the use and application of removable appliances in orthodontics
LO 2	Comprehends the practical steps of making removable appliances
LO 3	Understands the basic philosophy of orthodontic appliances

Content of Subcommittee

Department	Subject
Orthodontics	Vestibule arch bending
	Adam's clasp bending
	Mainspring bending
	Acrylic procedures
	Monoblock construction
	Essix fabrication

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Mustafa Ülgen. ORTODONTİ Anomaliler, Sefalometri, Etiyoloji, Büyüme ve Gelişim, Tanı, 2001
2	William R. Proffit. Contemporary Orthodontics, 5th edition.
3	Course materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

Learning Outcomes	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	3	1	1	1	2	1	1	1	1	1	1	1	1	1	1
LO 2	3	1	1	1	2	1	1	1	1	1	1	1	1	1	1
LO 3	3	1	1	1	3	1	1	1	1	1	1	1	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Practical lecture hours	12	1	12
Preparation to the lecture + Homework	12	2	24
Preparation to the committee exam	1	1	1
Mid-term/Quiz	0	0	0
Preperation to end of year general practical examination	1	1	1
End of year general practical examination	1	1	1
		Total workload	39
		Total workload/ 25	39/25
		ECTS credits	1

SPC-4 Anesthesia

(DPC300 Practical Committees – Simulation Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Clinical Sciences	SPC-4	Anesthesia	1

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
Nothing to Declare	24	Assoc. Prof. Dr. Oğuz Buhara

Aim of the Subcommittee

Practically teaching of local anesthesia equipment and techniques used in dentistry practice.

Learning Objectives

LO 1	Knows the equipment used in local anesthesia
LO 2	Applies basic local anesthesia techniques

Content of Subcommittee

Department	Subject
Oral & Maxillofacial Surgery	Introduction of local anesthetic agents and injectors
	General principles in local anesthesia
	Maxillary anesthesia techniques
	Mandibular anesthesia techniques

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Handbook of Local anesthesia, 6th Ed., Stanley F. Malamed
2	Local Anesthesia in Dentistry, 2nd Ed., Jacques A. Baart, Henk S. Brand
3	Diş Hekimliğinde Lokal Anestezi, Hülya Koçak Berberoğlu
4	Course materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

Learning Outcomes	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	2	1	1	3	4	1	2	1	1	1	1	1	1	1	1
LO 2	3	2	2	4	1	2	3	1	1	1	1	1	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Practical lecture hours	6	4	24
Preparation to the lecture + Homework	1	1	1
Preparation to the committee exam	1	2	2
Mid-term/Quiz	1	1	1
Preparation to end of year general practical examination	0	0	0
End of year general practical examination	0	0	0
		Total workload	28
		Total workload/ 25	28/25
		ECTS credits	1

SPC-5 Periodontology

(DPC300 Practical Committees – Simulation Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Clinical Sciences	SPC-5	Periodontology	1

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
Nothing to Declare	4	Assist. Prof. Dr. Hayriye TÜMER

Aim of the Subcommittee

In the simulation laboratory, teaching the use of hand tools on phantom jaws; Teaching the processes of detertrage and curettage; Introducing the patient and physician positions during the procedure.

Learning Objectives

LO 1	Knows and applies detertrage and curettage (scaling and root planning).
LO 2	Knows hand tools used in detertrage and curettage.

Content of Subcommittee

Department	Subject
Periodontology	Scaling and root planning
	Introducing scaler and curettes
	Physician and patient position during scaling and root planning procedures

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Carranza, F.A. Ve Glickman, I. (1979). Glickman's Clinical Periodontology, Saunders.
2	Çağlayan, G. (2018). Periodontologi and İmplantology, Quintessence, Türkiye.
3	Course materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

Learning Outcomes	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	2	1	2	1	4	1	3	1	1	1	1	1	1	1	1
LO 2	1	1	1	1	4	1	3	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Practical lecture hours	1	4	24
Preparation to the lecture + Homework	2	2	12
Preparation to the committee exam	-	-	10
Mid-term/Quiz	-	-	1
Preparation to end of year general practical examination	1	6	6
End of year general practical examination	1	2	1
		Total workload	16
		Total workload/ 25	16/25
		ECTS credits	1

SPC-6 Pediatric Dentistry

(DPC300 Practical Committees – Simulation Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Clinical Sciences	SPC-6	Pedodontics	3

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
Nothing to Declare	24	Dr. Serenad GENÇ

Aim of the Subcommittee

To teach cavity principles, cement applications, adhesive, restorative, protective and pulp treatments in primary teeth by applying on pedodontics jaw models.

Learning Objectives

LO 1	Knows and applies Black cavity principles.
LO 2	Knows the general content and indications of dental cements and applies them on primary teeth.
LO 3	Knows and applies the concept of adhesion, physicochemical properties of adhesive restorative materials used in primary teeth.
LO 4	Knows the protective application approaches, applies them in primary and permanent teeth.
LO 5	Knows the indication and mechanism of pulpotomy treatment, applies it to primary teeth.

Content of Subcommittee

Department	Subject
Pedodontics	Discussion of Black cavity principles and demonstration in primary teeth
	Demonstration of primary teeth by discussing the properties and indications of dental cements
	Restoring primary teeth with adhesive restorative materials
	Demonstration of protective applications in primary and permanent teeth by discussing
	Discussion and demonstration of indications for pulpotomy treatment in primary teeth

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Tulunoğlu, Ö.; Tortop, T. (Çeviri editörleri). Çocuk diş hekimliği: bebeklikten ergenliğe, Ankara, 2009
2	Koch, G; Poulsen, S. (Çeviri editörü: Gamze Aren). Çocuk dişjekimliğinde klinik yaklaşım, Ankara, 2012.
3	Course materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory	X	Homework	X	Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

Learning Outcomes	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	3	2	1	1	1	1	3	1	1	1	1	1	1	1	1
LO 2	3	2	1	1	4	1	3	1	1	1	1	1	1	1	1
LO 3	3	2	1	1	4	1	3	1	1	1	1	1	1	1	1
LO 4	3	2	1	1	4	1	3	4	1	1	1	1	1	1	1
LO 5	3	2	2	1	4	1	3	1	1	1	1	1	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Practical lecture hours	6	4	24
Preparation to the lecture + Homework	8	3	24
Preparation to the committee exam	2	4	8
Mid-term/Quiz	1	2	2
Preparation to end of year general practical examination	3	4	12

End of year general practical examination	1	4	4
		Total workload	74
		Total workload/ 25	74/25
		ECTS credits	3

Year 4

In the fourth year of their education, students will have compulsory theoretical committees consisting of courses of clinical sciences, medical sciences, and clinical medical sciences. Within this year, students have to attend clinical internships where they will apply the practical training that they received in pre-clinical classes. Also, they have 4 elective courses (2 in Fall, 2 in Spring term).

DTC400 Year 4 Theoretical Committees

Course Type	**Course Code**	**Course Name**	**Theoretical Course Hour**	**Practical Course Hour**	**ECTS**
Mandatory	DTC400	Year 4 Theoretical Committees	245	Nothing to Declare	16
Language of Course	**Course Level**	**Education Medium**	**Prerequisites**	**Lecturer in Charge**	
English	Undergraduate	Face to Face	DTC300, DPC300	Assoc. Prof. Dr. Seçil Aksoy	

Aim

Explaining the anatomy of the head and neck region, radiographic and pathological findings of infection malignancies in this region, and surgical approaches; explaining the approach to the pediatric patient and pedodontics treatments; explaining orthodontic malocclusions and their treatments; teaching the concept of color and aesthetic approaches in dentistry; explaining complicated prosthetic treatment options; explaining temporomandibular joint anatomy, pathologies and treatment approaches; explaining the approach to simple and complicated trauma cases; teaching biostatistics and basic statistical tests; explaining ethical principles in dentistry; to explain the relationship between dentistry and internal medicine, otorhinolaryngology, ophthalmology and dermatology branches.

Subcommittees

Code of Subcommittee	**Name of Subcommittee**	**ECTS**	**T**
CS1	Pediatric Dentistry and Orthodontics	2	35
CS2	Color and Aesthetics	1	16
CS3	Community Oral and Dental Health	1	10
CS4	Advanced Stages in Prosthetic Dentistry	1	16
CS5	Temporomandibular Joint, Trauma, and Pain	2	23
CS6	Advanced Surgical Approaches	1	18
CS7	Orofacial Infections and Malignancies	5	71
BS	Basic Sciences: Biostatistics and Ethics	2	44
BMS	Basic Medical Sciences: Oral Microbiology and Biochemistry	1	18

CS-1 Pediatric Dentistry and Orthodontics II

(DTC400 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Clinical Sciences	CS-1	Pediatric Dentistry and Orthodontics II	2

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
35	Nothing to Declare	

Aim of the Subcommittee

To teach sedation practices and pharmacological agents used in pediatric patients, to teach diagnosis and treatment methods of pulp diseases in primary teeth, to teach the concept of preventive and preventive orthodontics in children, to teach orthodontic malocclusion types and treatment methods.

Learning Objectives

LO 1	Knows the concepts of sedation and general anesthesia
LO 2	Knows pulpal diseases in primary teeth and the methods used in the diagnosis of these diseases and their treatments.
LO 3	Understands the types and properties of restorative materials used in primary teeth
LO 4	Knows the concepts of functional analysis and functional orthodontic treatment
LO 5	Understands the methods to simplify orthodontic treatment during permanent dentition.
LO 6	Knows the biomechanical properties of appliances used in orthodontic treatment
LO 7	Understands fixed and functional orthodontic treatment methods

Content of Subcommittee

Department	Subject	Hour
Pedodontics	Sedation and general anesthesia / Pharmacological applications	2
	Pulp treatments in deciduous teeth	3
	Endodontic approaches in young permanent teeth	1
	Molar-incisors hypo mineralization (MIH)	1
	Restorative materials in primary teeth	2
	Occlusal Guidance	1
	Placeholders	1
	Bad oral habits in children	1
	Regenerative dentistry	1
	Lasers in pediatric dentistry	1
	Case evaluation	1
Endodontics	Regenerative Endodontics	1
Orthodontics	Preventive orthodontics and types of preventive orthodontics	1
	Orthodontic force sources, orthodontic force types and properties, anchorage, anchorage areas, anchorage classification	1
	Tools used in orthodontic treatment and their biomechanical properties	1
	Examining the psychological aspects of orthodontic treatment	1
	Treatment principles of KII, 1 anomaly	1
	Appliances that apply extra-oral force to the mouth	1
	Orthodontic treatment of impacted teeth	1
	Functional analysis and myofunctional therapy	1
	Functional jaw orthopedics philosophy, functional jaw orthopedics	2
	Edgewise technique, Begg technique, other fixed treatment techniques	1
	Kl II, 2 orthodontic treatment principles	1
	Orthopedic treatment in open bite cases	1
	Orthopedic treatment of CL III anomalies	1
	Orthopedic treatment in cases of deep bite	1
	Orthodontic treatment in cleft lip and palate	1
	Orthodontic surgical treatment, distraction osteogenesis	1
	Orthop-orthode applications in horizontal direction anomalies (slow-rapid expansion)	1
	Respiratory system and its relationship with orthodontics	1

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
X	Discussion		Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1 Mustafa Ülgen. ORTODONTİ Anomaliler, Sefalometri, Etiyoloji, Büyüme ve Gelişim, Tanı, 2001

2	William R. Proffit. Contemporary Orthodontics, 5th edition.
3	Arthur J. Nowak, John R. Christensen, Tad R. Mabry, Janice A Townsend, Martha H. Wells Pediatric Dentistry - Infancy through adolescence, 6th edition, Elsevier
4	Marwah N. Textbook of Pediatric Dentistry, Jaypee, 2014
5	Harty, Klinik Uygulamalarda Endodonti, 7. Baskı, Elsevier
6	Course Lectures

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term/Quiz
	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1
LO 2	3	1	4	1	4	1	3	1	1	1	1	1	1	1	1
LO 3	3	1	1	1	4	1	2	1	1	1	1	1	1	1	1
LO 4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 6	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1
LO 7	2	1	3	1	2	1	1	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Theoretical Course Hour	35	1	35
Preparation for the Course	30	0,5	15
Preparation for the Committee Exam	1	5	5
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	2	2
Final Theoretical Exam	1	2	2
		Total workload	60
		Total workload / 25	60/25
		ECTS credits	2

CS-2 Color and Aesthetics

(DTC400 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-2	Color and Aesthetics	1

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
16	Nothing to Declare	

Aim of the Committee

Teaching the color science and its interaction with dentistry, teaching etiology, diagnosis and treatment planning of dental discolorations and teaching restorative, prosthetic and surgical applications which are the main components of current aesthetic dentistry approaches.

Learning Outcomes

LO1	Comprehends the components of color and the visually and digitally color measurement techniques.
LO2	Comprehends the etiology and differential diagnosis of dental discolorations.
LO3	Knows bleaching techniques used for vital and devital teeth.
LO4	Knows direct and indirect laminate veneer applications by using composite resin and ceramics.
LO5	Comprehends gingival and periodontal operative techniques related with aesthetic dentistry.
LO6	Comprehends applications for anterior aesthetics of primary teeth.

Content of Committee

Department	Subject	Hour
Prosthodontics	Color and Color Measurement Methods	2
	Illusion Techniques	2
Restorative Dentistry	Etiology of Dental Discolorations	1
	Bleaching of Vital Teeth	2
Endodontics	Bleaching of Devital Teeth	1
Restorative Dentistry	Approaches other than bleaching in the treatment of discoloration	1
	Composite Resin Laminate Veneers	2
Prosthodontics	Ceramic Laminate Veneers	2
Periodontology	Gingival aesthetics (gingivectomy and gingivoplasty)	1
	Aesthetic Periodontal Surgery	1
Pedodontics	Applications for Anterior Aesthetics of Primary Teeth	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
X	Discussion		Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer	**X**	Case Observation		Team Work
	Observation	**X**	Problem/Problem Solving		Brain Storming

References

1	Arthur J. Nowak, John R. Christensen, Tad R. Mabry, Janice A Townsend, Martha H. Wells Pediatric Dentistry - Infancy through adolescence, 6th edition, Elsevier
2	Marwah N. Textbook of Pediatric Dentistry, Jaypee, 2014
3	Paravina RD, Powers JM. Esthetic color training in dentistry. St. Louis: Elsevier Mosby; 2004. p. 3-32.
4	Fradeani M. Esthetic Rehabilitation In Fixed Prosthodontics. Volume 1: Esthetic Analysis. Quintessence Publishing Co, Inc: Chicago, 2004
5	Garg, N., Garg, A., Amita, Chandra, A., Dinghra, A., Singh, A. ve diğerleri. (2013). Textbook of Operative Dentistry. Hindistan: Jaypee Brothers Medical Publishers (P) Ltd.
6	Heymann, H. O., Swift, Jr, E. J., Ritter, A. V., Bayne, S. C., Boushell, L. W., Crawford, J. J. & ve diğerleri. (2012). Sturdevant's Art and Science of Operative Dentistry. (6.bs). ABD: Mosby, Elsevier Inc.
7	Goldstein, R. E. ve Garber, D. A. (1995). Complete Dental Bleaching. Hong Kong: Quintessence Publishing Co, Inc.
8	Course Materials

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term
	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15
LO1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1
LO2	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1
LO3	2	1	1	1	3	1	2	1	1	1	1	1	1	1	1
LO4	3	1	1	1	4	1	3	1	1	1	1	1	1	1	1
LO5	3	1	1	1	2	1	2	1	1	1	1	1	1	1	1
LO6	2	1	1	1	3	1	2	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration (hour)	Total workload (hour)
Theoretical lecture hours	16	1	16
Preparation to the lecture	16	0,5	8
Preparation to the committee exam	1	6	6
Committee exam	1	1	1
Preparation to end of year general theoretical examination	1	4	4
End of year general theoretical examination	1	1	1
		Total workload	36
		Total workload / 25	36/25
		ECTS Credit	1

CS-3 Community Oral and Dental Health

(DTC400 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Clinical Sciences	CS-3	Community Oral and Dental Health	1

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
10	4	

Aim of the Subcommittee

It is the planning of community oral and dental health programs, the identification of risky groups in terms of oral and dental health, and teaching protective and encouraging practices.

Learning Objectives

LO 1	Defines indexes used in epidemiological studies to determine oral and dental health.
LO 2	Knows and applies the methods to determine the prevalence and severity of oral and dental diseases in the community and the state of health.
LO 3	Understands the relationship between nutrition and caries and knows the importance of preventive treatments in risky individuals
LO 4	Understands the importance of public health and raising awareness of the society in the protection of oral and dental health.
LO 5	Knows the methods to increase oral and dental health and can explain in accordance with age groups.

Content of Subcommittee

Department	Subject	Hour
Pedodontics	Development and eruption of teeth	1
	Nutrition and caries relationship	1
	Importance of public health	1
	Oral and dental health in pregnant women	1
	Oral and dental health in babies	1
	Tooth brushing techniques	1
	Dentist - assistant work	1
	School programs	1
	Indexes used in epidemiological research methods for children	1
	Vaccination practices for school-age children	1

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
X	Discussion		Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer	X	Case Observation		Team Work
	Observation	X	Problem/Problem Solving		Brain Storming

References

1	Hiremath SS. Textbook of Preventive and Community Dentistry, 2011
2	Rushworth B, Kanatas A. Oxford Handbook of Clinical Dentistry, 2020
3	Peter S. Essentials of Preventive and Community Dentistry, 2007
4	Lecture notes

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term/Quiz
X	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	1	1	2	1	1	1	1	3	1	1	1	1	1	1	1
LO 2	2	1	3	1	1	1	1	5	1	1	1	1	1	1	1
LO 3	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1
LO 4	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1
LO 5	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Theoretical Course Hour	10	1	10

Preparation for the Theoretical Course	10	1	10
Practical Course Hour	4	1	4
Preparation for the Practical Course	4	1	4
Preparation for the Committee Exam	1	4	4
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	1	1
Final Theoretical Exam	1	1	1
		Total workload	35
		Total workload / 25	35/25
		ECTS credits	1

CS-4 Advanced Stages in Prosthetic Dentistry

(DTC400 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY			
SUBCOMMITTEE DESCRIPTION FORM			
Type of Subcommittee	**Code of Subcommittee**	**Name of Subcommittee**	**ECTS**
Clinical Sciences	CS-4	Advanced Stages in Prosthetic Dentistry I	1

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
16	Nothing to Declare	

Aim of the Subcommittee

Teaching the fabrication technologies of all-ceramic restorations; introducing advanced structural elements that can be used in removable partial dentures; synthesizing planning principles with biomechanical elements in removable partial dentures; teaching the clinical and laboratory stages of advanced prosthetic restorations; teaching repair systems in prosthetic restorations.

Learning Objectives

LO 1	Knows the fabrication techniques of all-ceramic restorations
LO 2	Comprehends the repair methods of prosthetic restorations.
LO 3	Knows the structural elements that can be used in removable partial dentures
LO 4	Explains the principles of clinical examination and planning in removable partial dentures.
LO 5	Comprehends the clinical and laboratory stages of advanced prosthetic restoration options.
LO 6	Understands the relining materials and application methods.

Content of Subcommittee

Department	Subject	Hour
Prosthodontics	Production Techniques of Full Ceramic Restorations	1
	Repair in Fixed Prosthetic Restorations	1
	Repair in Removable Prosthetic Restorations	1
	Precision Attachments	1
	Stress Breakers in Partial Prostheses	1
	Immediate Prostheses	1
	Oral Examination and Pre-prosthetic Preparations in Complete Dentures	1
	Clinical Examination and Oral Preparation in Partial Prostheses	1
	Partial Prosthesis Planning (Class I-II)	2
	Partial Prosthesis Planning (Class III-IV)	2
	Overdenture Prostheses	1
	Adhesive Restorations	1
	Single Full Dentures	1
	Soft Lining Materials and Tissue Conditioners	1

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
	Discussion		Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Dişsiz Hastaların Protetik Tedavisi - Klasik Tam Protezler, Quentissence Publ. / Prof. Dr. Senih Çalıkkocaoğlu
2	Diş Hekimliğinde Hareketli Bölümlü Protezler Cilt I ve II - 3. Baskı, Ankara, 2010. / Prof. Dr. Mutahhar Ulusoy ve Prof. Dr. A. Kevser Aydın
3	McCracken's Removable Partial Prosthodontics - Mosby Elsevier, 12. Edition. / Alan B. Carr and David T. Brown
4	Rosenstiel SF, Land MF, Fujimoto J. Contemporary fixed prosthodontics. 4th Ed. St. Louis: Mosby; 2006
5	Shillingburg HT, Hobo S, Whitsett LD, Jacobi R, Brackett SE. Fundamentals of Fixed Prosthodontics. Quintessence Publishing, 1997.
6	Zaimoğlu A, Can G. Sabit Protezler. Ankara Üniversitesi Basımevi: Ankara, 2004.
7	Lecture notes

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term/Quiz
	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	2	1	1	2	4	1	2	1	1	1	1	1	1	1	1

LO 2	2	1	1	1	3	1	2	1	1	1	1	1	1	1	1
LO 3	2	1	1	1	2	1	2	1	1	1	1	1	1	1	1
LO 4	2	1	3	1	1	1	2	1	1	1	1	1	1	1	1
LO 5	2	1	1	1	4	1	2	1	1	1	1	1	1	1	1
LO 6	2	1	2	2	3	1	3	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Theoretical Course Hour	16	1	16
Preparation for the Course	12	0,5	6
Preparation for the Committee Exam	1	8	8
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	3	3
Final Theoretical Exam	1	1	1
		Total workload	41
		Total workload / 25	41/25
		ECTS credits	1

CS-5 Temporomandibular Joint, Trauma, and Pain

(DTC400 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Clinical Sciences	CS-5	Temporomandibular Joint, Trauma, and Pain	2

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
23	Nothing to Declare	

Aim of the Subcommittee

Teaching the anatomy and pathologies of the temporomandibular joint, explaining the treatment plan of pathologies diagnosed with imaging findings, injury in soft tissues as a result of trauma; To teach diagnosis and treatment methods starting from simple tooth fracture to complicated jaw fractures and odontogenic and nonodontogenic pain types and approaches seen in pediatric and adult patients.

Learning Objectives

LO 1	Knows temporomandibular joint anatomy
LO 2	Comprehends TMJ pathologies determined using different imaging techniques.
LO 3	Knows the treatment options that should be applied according to TMJ pathologies.
LO 4	Understands diagnosis and treatment methods in traumas of primary teeth.
LO 5	Knows restorative, endodontic, and orthodontic approaches in dental traumas in permanent teeth.
LO 6	Can diagnose complicated maxillofacial fractures, have information about their treatments, and refer them to a specialist.
LO 7	Comprehends the approach to the child patient with pain.
LO 8	Knows odontogenic and nonodontogenic pain in adult patients and understands situations that require emergency intervention.

Content of Subcommittee

Department	Subject	Hour
	Temporomandibular Joint	
Anatomy	Articulatio temporomandibularis and masticatory muscles	1
Oral & Maxillofacial Radiology	TMJ imaging techniques	1
	TMJ diseases and pathologies	1
Oral & Maxillofacial Surgery	Conservative medical and invasive approaches to TMJ diseases	2
Prosthodontics	Prosthetic approach to TMJ diseases	1
	Trauma	
Pedodontics	Dental trauma in primary teeth	2
Restorative Dentistry	Restorative treatment of traumatic injuries of permanent teeth	1
Endodontics	Endodontic approaches in traumatic injuries	2
Oral & Maxillofacial Surgery	Soft tissue injuries, dentoalveolar injuries and their treatments	1
Orthodontics	Orthodontic approaches in dental traumas	1
Oral & Maxillofacial Surgery	Classification and symptoms of maxillofacial fractures	1
	Maxilla fracture and treatment	1
	Mandible fracture and treatments	1
	Pain	
Pedodontics	Pain in Pedodontics	1
Oral & Maxillofacial Radiology	Nonodontogenic pains	2
Endodontics	Emergency approaches and pain in endodontics	1
	Systemic drug use in endodontics	1
Restorative Dentistry	Dentin hypersensitivity/sensitivity	2

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
	Discussion		Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Cumhur M. Temel Anatomi. 3. ed. ODTÜ Yayınevi
2	Mallya SM, Lam EWN. White and Pharoah's Oral Radiology. 8th Ed. Mosby, Elsevier Inc.
3	Özcan İ. Diş Hekimliğinde Radyolojinin Esasları. 1. ed. İstanbul Tıp Kitabevleri
4	Tulunoğlu, Ö; Tortop, T. Çocuk diş hekimliği: Bebeklikten ergenliğe, 4. Baskı, Atlas Kitapçılık, 2009
5	Alaçam T. Endodonti. 2. ed. Nobel Kitabevi, 2012
6	Okeson J. Management of Temporomandibular disorders and occlusion. 7. ed. Elsevier
7	Paniz, G., & Paolone, G. Noncarious cervical lesions and cervical dentin hypersensitivity: etiology, diagnosis, and treatment. Quintessence., 2017
8	Hacıoğulları İ, Ulusoy N, Er F. Dentin Aşırı Hassasiyeti: Tanı ve Tedavi Yöntemleri. Atatürk Üni. Diş Hek. Fak. Dergisi, 2015

9	Oral and Maxillofacial Trauma, R.J.Fonseca
10	Maxillofacial Trauma and Esthetic Reconstruction, P.W.Booth
11	Heymann, H. O., Swift, Jr, E. J., Ritter, A. V., Bayne, S. C., Boushell, L. W., Crawford, J. J. & ve diğerleri. (2012). Sturdevant's Art and Science of Operative Dentistry. (6.bs). ABD: Mosby, Elsevier Inc.
12	Lecture notes

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term/Quiz
	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1
LO 3	1	1	3	1	1	1	2	1	1	1	1	1	1	1	1
LO 4	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1
LO 5	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1
LO 6	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
LO 7	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
LO 8	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Theoretical Course Hour	23	1	23
Preparation for the Course	10	1	10
Preparation for the Committee Exam	1	4	4
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	1	1
Final Theoretical Exam	1	1	1
		Total workload	40
		Total workload / 25	40/25
		ECTS credits	2

CS-6 Advanced Surgical Approaches

(DTC400 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY

SUBCOMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-6	Advanced Surgical Procedures	1

Total Hour of Theoretical Courses	Total Hour of Practical Courses	Lecturer in Charge
18	Nothing to Declare	

Aims

Introducing the advanced surgical procedures in dentistry; teaching the anatomy, radiology, diseases, pathology and treatments of the maxillofacial region

Learning Outcomes

LO 1	Knows the advanced surgeries applied for developmental diseases in maxillofacial region, directs to expert when necessary
LO 2	Knows the principles of impacted tooth extraction
LO 3	Knows the biomaterials and surgery techniques used in pre-prosthetic surgery.
LO 4	Knows the diagnosis and treatment methods of paranasal sinus and salivary gland diseases, directs to expert when necessary.

Content

Department	Name of Course	Hour
Oral and Maxillofacial Surgery	Orthognathic surgery, Osteotomy, Distraction	1
	Cleft Lip palate and treatments	1
	Impacted teeth (pathogenesis, diagnosis, treatment)	4
	Pre-prosthetic Surgery	1
	Biomaterials (Grafts, Augmentation etc.)	1
	Auto transplantation, Reimplantation	1
Dentomaxillofacial Radiology	Anatomy, diseases and radiology of paranasal sinuses	2
Oral and Maxillofacial Surgery	Maxillary sinus diseases, Oroantral communications and treatments	2
Dentomaxillofacial Radiology	Anatomy, diseases and radiology of Salivary Glands	2
Oral and Maxillofacial Surgery	Treatments of Salivary Gland Diseases	2
Pathology	Pathology of the Salivary Gland Diseases	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
	Discussion		Practical / İmplementation		Preparing / Presenting Reports
X	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

References

1	Peterson's Principles of Oral & Maxillofacial Surgery, 2002
2	Mallya SM, Lam EWN. White and Pharoah's Oral Radiology. 8th Ed. Mosby, Elsevier Inc.
3	Oral and Maxillofacial Pathology 4th Edition, Brad W. Neville, Elsevier, 2009

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term
	Practical/Implementation		Presentation	X	Committee Exam

Quantification and Consideration

X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
	Practical / İmplementation		Presentation	X	Committee Exam

Contribution of Learning Outcome to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	2	3	3	3	2	1	3	1	1	1	1	1	1	1	1
LO 2	2	2	2	2	2	1	3	1	1	1	1	1	1	1	1
LO 3	2	2	3	3	3	1	3	1	1	1	1	1	1	1	1
LO 4	2	3	3	3	2	1	3	1	1	1	1	1	1	1	1

Contribution level:	1: No	2: Poor	3: Moderate	4: Good	5: Very Good

Workload and ECTS Calculation			
Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	18	1	18
Preparation for the Course	8	0,5	4
Preparation for the Committee Exam	1	6	6
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	6	6
Final Theoretical Exam	1	1	1
		Total Workload	36
		Total Workload / 25	36/25
		ECTS Credits	1

CS-7 Orofacial Infections and Malignancies

(DTC400 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Committee	Committee Code	Name of the committee	ECTS
Clinical Sciences	CS-7	Orofacial Infections and Malignancies	5

Theorical lecture time	Practical time	Committee Coordinator
71	Nothing to Declare	

Aim of the Committee

Teaching of the anatomical structures and their names in head and neck region, recognizing the lesions of this region, determination and evaluation of imaging methods and giving the pathological diagnosis of these lesions and teaching treatment methods.

Learning Outcomes

LO 1	Knows the anatomical structures and regions for the head and neck
LO 2	Understands the etiologies and clinical properties of infections, cysts, benign and malignant tumors of the oral region
LO 3	Knows the radiologic imaging of the infections, cysts, benign and malignant tumors of the oral region
LO 4	Understands the parameters used for diagnosis for lesions of the oral mucosa
LO 5	Knows the differential diagnosis and the treatment of the lesions of oral mucosa

Content of committee

Department	Subject	Hour
Anatomy	Whole skull skeleton	1
	Superficial structures of the scalp and face	1
	Temporal region, parotid region and glandula parotidea	1
	Fossa infratemporalis and fossa pterygopalatina	1
	Cavitas oris	1
	Nasus (nose) and sinus paranasales	1
	Pharynx	1
	Orbita and bulbus oculi	1
	Ear	1
	Neck anterior-lateral regions	1
Oral & Maxillofacial Surgery	Dental infections, lodge infections and spreads, lymph node swellings	6
	Biopsy	2
	Skin lesions	1
Oral & Maxillofacial Radiology	Oral mucosal lesions	6
Oral & Maxillofacial Surgery	Treatments of oral mucosal lesions	2
Pathology	White lesions of the oral mucosa	2
	Red-blue lesions of the oral mucosa	1
	Vesiculobullous diseases of the oral mucosa	1
	Ulcerative lesions of the oral mucosa	2
	Pigmented lesions of the oral mucosa	2
Oral & Maxillofacial Surgery	Oral findings in blood diseases	1
Oral & Maxillofacial Radiology	3D imaging methods of lesions in the jaws	1
	Odontogenic and nonodontogenic cysts	2
Oral & Maxillofacial Surgery	Cysts and their treatments	4
Pathology	Cystic lesions developing on the chin and neck	2
Oral & Maxillofacial Radiology	Benign odontogenic tumors	1
	Malignant lesions of the jaws	1
Oral & Maxillofacial Surgery	Oral mucosal cancers, premalignant lesions, tumors (benign/malignant) and their treatments	8
Pathology	Odontogenic tumors	1
	Nonodontogenic tumors of the jaw bones	1
	Oral benign and malignant epithelial tumors	2
Oral & Maxillofacial Radiology	Osteomyelitis and osteonecrosis	1
Oral & Maxillofacial Surgery	Inflammatory diseases of the jaws, infection, osteomyelitis and treatments	2
Pathology	Pulpal, periapical, periodontal pathologies and osteomyelitis	1
	Connective tissue lesions in the mouth	1
	Lymphoid tumors in the mouth	1
	AIDS and oral pathologies	1
Oral & Maxillofacial Radiology	Fibroosseous lesions	1
	Metabolic bone diseases	1
Pathology	Genetic and metabolic diseases	1

	Bone-joint diseases and soft tissue tumors	2

Learning and teaching techniques of lecture

X	Expression		Experiment		Project Design / Management
X	Discussion		Practical / İmplementation		Preparing / Presenting Reports
X	Question & Answer		Case Study		Team / Group Work
	Observation	X	Problem / Problem Solving	X	Brainstorming

References

1	Robbins Basic Pathology Tenth Edition, ELSEVIER
2	WHO Head and Neck Tumours, 4th edition,2017
3	Mallya SM, Lam EWN. White and Pharoah's Oral Radiology. 8th Ed. Mosby, Elsevier Inc.
4	Glick M. Burket's Oral Medicine. 12th ed. People's Medical Publishing House -USA.
5	Cumhur M. Temel Anatomi. 3. ed. ODTÜ Yayınevi
6	Peterson's Principles of Oral & Maxillofacial Surgery, 2004

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term
	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	2	1	5	3	1	1	3	2	1	1	1	1	1	1	1
LO 3	2	2	3	1	1	1	2	1	1	1	1	1	1	1	1
LO 4	3	3	1	2	1	1	1	1	1	1	1	1	1	1	1
LO 5	1	1	4	2	1	1	3	1	1	1	1	1	1	1	1

Calculation of Workload and ECTS

Programs	Number	Duration (Hour)	Total Workload (Hour)
Theorical lecture hours	71	1	71
Preparation to lectures	60	0.5	30
Preparation to end of committee exam	1	10	10
End of committee exam	1	1	1
Preparation to end of year general theoretical examination	1	4	4
End of year general theorical examination	1	2	2
		Total work load	118
		Total work load / 25	118/25
		ECTS Credit	5

BS Biostatistics and Ethics

(DTC400 Theoretical Committees- Basic Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
SUBCOMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Basic Sciences	BS	Biostatistics and Ethics	2

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
44	Nothing to Declare	

Aim of the Committee

General knowledge about biostatistics; teaching of central tendency, prevalence metrics, table and graphical methods; general knowledge about sampling methods and hypothesis tests; teaching of medical history, concepts of deontology and ethics; giving information about medical report systems, private personal data, informed consents, malpractices, legal responsibility and legal situations in dentistry.

Learning Objectives

LO 1	Knows the general concepts about biostatistics
LO 2	Knows the various metrics, table and graphical methods
LO 3	Determines the sampling creation and hypothesis tests
LO 4	Chooses the analysis method that should be applied in accordance with the data distribution
LO 5	Knows the general concepts about deontology and ethics
LO 6	Knows the legal responsibilities, malpractices and legal situations in dentistry
LO 7	Knows the concepts of medical records and recording systems
LO 8	Comprehends the patient privacy, personal data and ethical problems

Content of Committee

Department	Subject	Hour
Biostatistics	Introduction to statistics and biostatistics	2
	Descriptive statistics	2
	Frequency tables and univariate graph	2
	Probability theory	2
	Theoretical probability distributions	2
	Sampling	2
	Introduction to inferential statistics	2
	Hypothesis entry tests	2
	Parametric and non-parametric tests	2
	Hypothesis testing for a single group	2
	Hypothesis testing for two groups (Quantitative data)	2
	Hypothesis testing for two groups (Qualitative data)	2
	Hypothesis testing for more than two groups (Quantitative data)	2
	Hypothesis testing for more than two groups (Qualitative data)	2
Ethics and Deontology	Introduction to medical history	1
	Basic concepts of deontology and ethics	1
	Ethical contradiction and ethical consultation	1
	Legal responsibilities of dentists	1
	Medical recording in dentistry	1
	Paper based and electronic recording systems	1
	Obligation of secrecy	1
	Patient privacy, private and personal data	2
	Informed consent	2
	Malpractices	1
	Ethical problems in AIDS positive patients	2
	Biological data banks and the legal situations in Turkey	2

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
	Discussion		Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Sümbüloğlu K ve Sümbüloğlu V. Biyoistatistik. Hatiboğlu Yayınevi, Ankara, 2010.
2	Özdamar K. SPSS ile Biyoistatistik. Nisan Kitabevi, Eskişehir, 2013.
3	Ethical Questions in Dentistry, Second Edition: Rule, James T. and Veatch, Robert M. 2004

4	Tıp Etiği El Kitabı - Türk Tabipleri Birliği
5	Lecture notes

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term/Quiz
	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 5	2	1	1	1	1	5	1	1	1	1	1	1	1	1	1
LO 6	2	1	1	1	1	4	1	1	1	1	1	1	1	1	1
LO 7	2	1	1	1	1	1	1	1	1	1	4	1	1	1	1
LO 8	2	1	1	1	1	4	1	1	1	1	4	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Theorical lecture hours	44	1	44
Preparation to lectures	20	0,5	10
Preparation to end of committee exam	1	5	5
End of committee exam	1	1	1
Preparation to end of year general theoretical examination	1	1	1
End of year general theorical examination	1	1	1
		Total workload	62
		Total workload/ 25	62/25
		ECTS credits	2

BMS Oral Microbiology and Biochemistry

(DTC400 Theoretical Committees- Basic Medical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY

SUBCOMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
BMS	BMS	Oral Microbiology and Biochemistry	1

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
18	Nothing to Declare	

Aim of the Committee

Teaching the microorganisms of interest to dentistry, microbial agents of infections in teeth and surrounding tissues, histochemical structures and functions of oral tissues and salivary components.

Learning Objectives

LO 1	Knows the oral microflora, understands the anaerobic and aerobic bacteria in the oral environment and knows the adhesion properties of bacteria to the host cell.
LO 2	Understands the microorganisms that cause infection of teeth and surrounding tissues.
LO 3	Understands the etiology of cross infections in dentistry.
LO 4	Comprehends the chemical structure and functions of teeth and surrounding tissues and saliva.
LO 5	Comprehends the chemical reactions that occur in caries and periodontal diseases.
LO 6	Knows the chemical compounds that cause bad breath.

Content of Committee

Department	Subject	Hour
Oral Microbiology	Introduction to oral microbiology	1
	Microbe flora and oral microflora	1
	Anaerobes and anaerobicism	1
	Adherence in oral bacteria	1
	Caries microbiology	1
	Periodontal infections	1
	Microbiology of pulpitis	1
	Other infections in the mouth	1
	Cross infections in dentistry	1
Oral Biochemistry	Intraoral tissues	1
	Structure of enamel, dentin and cementum	1
	Inorganic structure of bone and tooth	1
	Saliva	1
	Bacterial plaque	1
	Bacterial metabolism and organic acid synthesis in plaque	1
	Calculus	1
	Caries biochemistry	1
	Bad breath (Halitosis)	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
	Discussion		Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Bagg J, MacFarlane TW, Poxton IR, Smith AJ. Essentials of Microbiology for Dental Students. 2006, Oxford.
2	Anğ Ö. Diş hekimliği Öğrencileri için Mikrobiyolojinin Esasları, 2013, Nobel Tıp Kitabevi.
3	Yılmaz T. Ağız ve Diş Biyokimyası. 2012, Ankara Üniversitesi yayınevi.

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term/Quiz
	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1

LO 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
LO 5	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1
LO 6	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration (hour)	Total workload (hour)
Practical lecture hours	18	1	18
Preparation to the lecture + Homework	10	0,5	5
Preparation to the committee exam	1	5	5
Mid-term/Quiz	1	1	1
Preparation to end of year general practical examination	1	2	2
End of year general practical examination	1	1	1
		Total workload	32
		Total workload / 25	32/25
		ECTS credits	1

Year 4 Clinical Internships List

Internship Code	Name of Subcommittee	ECTS
DCI401	Oral and Maxillofacial Surgery	4
DCI402	Oral and Maxillofacial Radiology	4
DCI403	Endodontics	4
DCI404	Orthodontics	2
DCI405	Pediatric Dentistry	4
DCI406	Periodontology	2
DCI407	Prosthetic Dentistry	4
DCI408	Restorative Dentistry	4

Year 5

In the fifth and last year of their education, our students take the compulsory theoretical committees consisting of courses of clinical sciences and clinical medical sciences. They also continue to the clinical internship education that they have started in the fourth year. In this year, 6 elective courses (3 in Fall and 3 in Spring) are chosen from the pool of elective courses.

DTC500 Year 5 Theoretical Committees

Course Type	**Course Code**	**Course Name**	**Theoretical Course Hour**	**Practical Course Hour**	**ECTS**
Mandatory	DTC500	Year 1 Theoretical Committees	152		8
Language of Course	**Course Level**	**Education Medium**	**Prerequisites**	**Lecturer in Charge**	
English	Undergraduate	Face to Face	DTC400, DPC400		

Aim

Teaching the approach to geriatric patients; explaining maxillofacial prosthesis applications; providing information about current materials and technological developments in dentistry; explaining dental implant applications; teaching the concept of quality in health care clinics and institutions; providing information about the establishment and operation of the practice; teaching research methods, dental databases and improving students' presentation skills; to explain the relations between dentistry and general surgery, forensic medicine, psychiatry and neurology branches of medicine.

Subcommittees

Code of Subcommittee	**Name of Subcommittee**	**ECTS**	**T**
CS1	Geriatrics and Maxillofacial Prosthesis	1	21
CS2	Current Approaches and Oral Implantology	1	27
CS3	Quality and Practice Management in Health Services	1	16
CS4	Research Techniques and Presentation	1	28
CMS	Clinical Medical Sciences I	2	32
CMS	Clinical Medical Sciences II	2	36

CS-1 Geriatrics and Maxillofacial Prosthesis

(DTC500 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-1	Geriatrics and Maxillofacial Prostheses	1

Total Hour of Theoretical Courses	Total Hour of Practical Courses	Lecturer in Charge
21		

Aim

Learning the oral and dental treatments in the elderly and acquiring the knowledge of the types of prostheses and rehabilitation indicated in the maxillofacial region atrophies and defects.

Learning Outcomes

LO 1	Knows the aging physiology.
LO 2	Learn how various dental treatments are carried out in the elderly.
LO 3	Classify the maxillofacial defects and cleft lip-palate types
LO 4	Knows the materials used in maxillofacial prosthesis
LO 5	Knows the treatment modalities for maxillofacial defects, directs to an expert when necessary
LO 6	Knows the impression techniques, fabrication techniques and types of obturators for patients with maxillofacial defects
LO 7	Knows the implant procedures for maxillofacial prosthesis, directs to an expert when necessary

Content

Department	Name of Course	Hour
PATIENT GROUPS REQUIRING SPECIAL CARE AND GERIATRICS		
Periodontology	Aging and periodontium	1
	Periodontal treatment in the elderly	1
Psychiatry	Psychiatry in older individuals	1
Endodontics	Geriatric endodontics	1
Restorative Dentistry	Restorative approach to geriatric patients	1
Dentomaxillofacial Radiology	Changes in bone mineral structure in the elderly, bone density	1
	Osteoporosis and jaw findings	1
Prosthodontics	Considerations for prosthetic approaches in geriatric patients	1
Oral and Maxillofacial Surgery	Approach to patients receiving radiotherapy and chemotherapy	1
MAXILLOFACIAL PROSTHETICS		
Prosthodontics	Definition and History of Maxillofacial Prostheses	1
	Materials Used in Maxillofacial Prosthetics	1
	Maxillofacial Tumors	1
	Maxillofacial Region Defects and Complications	1
	Maxillofacial Region Defects and Classifications	1
	Classification and Anatomy of Lip-Palate Clefts	1
	Obturator Types and Features	1
	Obturator Fabrication	1
	Prosthetic Rehabilitation in Mandible Defects	1
	Radiotherapy Prostheses, Tissue Regulators	1
	Epitheses	1
	Implant Supported Maxillofacial Prosthetics and Extraoral Implants	1

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
X	Discussion		Practical / İmplementation		Preparing / Presenting Reports
X	Question & Answer	X	Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Course Resources

1	Overview of Maxillofacial Prosthetics, Nova Science, 2013
2	Textbook of Geriatric Dentistry, Wiley, 2015
3	Lecture Notes

Quantification and Consideration

X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
	Practical / İmplementation		Presentation	**X**	Committee Exam

Contribution of Learning Outcome to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	2	4	1	2	1	1	1	1	1	1	1	1	1	1	1
LO 2	2	2	3	2	1	1	3	2	1	1	1	1	1	1	1
LO 3	2	1	3	3	1	1	1	1	1	1	1	1	1	1	1
LO 4	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1
LO 5	1	2	3	2	1	1	3	1	1	1	1	1	1	1	1
LO 6	1	2	3	2	3	1	2	1	1	1	1	1	1	1	1
LO 7	1	1	1	1	2	1	3	1	1	1	1	1	1	1	1
Contribution level:	1: No			2: Poor			3: Moderate			4: Good			5: Very Good		

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	21	1	21
Preparation for the Course	6	0,5	3
Preparation for the Committee Exam	1	6	6
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	5	5
Final Theoretical Exam	1	1	1
		Total Workload	37
		Total Workload / 25	37/25
		ECTS Credits	1

CS-2 Current Approaches and Oral Implantology

(DTC500 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY

COMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Sciences	CS-2	Current Approaches and Oral Implantology	1

Total Hour of Theoretical Courses	Total Hour of Practical Courses	Lecturer in Charge
27		

Aims

Teaching advanced radiological techniques in dentistry; introducing laser applications; teaching computer aided design and computer aided manufacturing technologies; introducing regeneration and tissue engineering principles; teaching advanced applications in endodontics and surgery; teaching oral implantology principles, imaging methods and surgical & prosthetic stages

Learning Outcomes

LO 1	Knows advanced imaging techniques
LO 2	Understands the usage areas of the laser in dentistry
LO 3	Learns computer aided design - computer aided manufacturing technologies
LO 4	Knows the concepts of regeneration and tissue engineering
LO 5	Understands the advanced application stages in endodontics
LO 6	Knows current methods and devices in the field of Oral and Maxillofacial Surgery
LO 7	Learns the principles and guidelines of oral implantation
LO 8	Understands radiological, surgical and prosthetic stages of oral implantology

Content

Department	Name of Course	Hour
	CURRENT APPROACHES IN DENTISTRY	
Oral and Maxillofacial Radiology	Ultrasound, MRI and BT	2
Restorative Dentistry	Laser Usage in Restorative Dental Treatment (hard tissue laser)	2
Periodontology	Laser Usage in Periodontology (soft tissue laser)	2
Prosthetic Dentistry	CAD / CAM	1
Periodontology	Advanced periodontal diagnostic techniques	1
Pedodontics	Regeneration and Tissue Engineering	1
Endodontics	Rotary tools in endodontics	1
	Laser and microscope use in endodontics	1
Oral and Maxillofacial Surgery	Current methods and devices used in oral surgery (Botox, piezo, prf, laser, cryosurgery, electrosurgery)	2
	ORAL IMPLANTOLOGY	
Prosthetic Dentistry	Introduction to implantology and history	1
	Implant types	1
	Sections of the implant	1
Oral and Maxillofacial Radiology	Implant radiology	1
	Imaging methods	1
Oral and Maxillofacial Surgery	Surgical planning	1
	Implant surgery	1
	Advanced surgical techniques	1
Periodontology	Tissues surrounding the implant	1
	Osteointegration	1
	Periimplantitis and its treatment	1
Prosthetic Dentistry	Prosthetic planning in implantology	1
Multidisciplinary	Case presentations	2

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design / Management
	Discussion		Practical / İmplementation		Preparing / Presenting Reports
X	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Course Resources

1	Dental Implant Prosthetics - 2. Edition, Elsevier Mosby. / Carl E. Misch
2	Contemporary Fixed Prosthodontics - 5. Edition, Elsevier. / Stephen Rosentsiel, Martin Land, Junhei Fujimoto

3	Lecture notes

Quantification and Consideration

X	Attendance		Clinic Rotation		Project
	Laboratory		Homework		Visa
	Practical / İmplementation		Presentation	**X**	Committee Exam

Contribution of Learning Outcome to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	3	2	1	1	5	1	2	1	1	1	1	3	1	1	1
LO 2	3	2	1	1	4	1	2	1	1	1	1	3	1	1	1
LO 3	3	2	1	1	5	1	2	1	1	1	1	3	1	1	1
LO 4	3	2	1	1	4	1	2	1	1	1	1	3	1	1	1
LO 5	3	2	1	1	5	1	2	1	1	1	1	3	1	1	1
LO 6	3	2	1	1	5	1	2	1	1	1	1	3	1	1	1
LO 7	3	2	2	1	3	3	3	1	1	1	1	1	1	1	1
LO 8	3	2	2	2	2	3	3	1	1	1	1	1	1	1	1
Contribution level:	1: No			2: Poor			3: Moderate			4: Good			5: Very Good		

Workload and ECTS Calculation

Activities	Number	Duration (Hour)	Total Workload (Hour)
Theoretical Course Hour	27	1	27
Preparation for the Course	12	0.5	6
Preparation for the Committee Exam	1	8	8
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	3	3
Final Theoretical Exam	1	1	1
		Total Workload	46
		Total Workload / 25	46/25
		ECTS Credits	1

CS-3 Quality in Health Services and Clinic Management

(DTC500 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY			
SUBCOMMITTEE DESCRIPTION FORM			
Type of Subcommittee	**Code of Subcommittee**	**Name of Subcommittee**	**ECTS**
Clinical Sciences	CS-3	Quality and Practice Management in Health Services	1

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
16	Nothing to Declare	Prof. Dr. Güney Yılmaz

Aim of the Subcommittee

To teach the concepts related to quality management in health services, to explain international accreditation institutions and standards, to give information about the establishment, management and legal regulations of dental practices and clinics.

Learning Objectives

LO 1	Explains the concept of quality and the importance of quality
LO 2	Examines the principles of total quality management and comprehends the importance of a human-oriented management approach.
LO 3	Explains quality improvement models and guides the work of teams
LO 4	Explains accreditation, certification and quality awards
LO 5	Defines the concepts of patient and physician safety
LO 6	Classifies medical wastes and knows the legislation related to medical waste management
LO 7	Knows the legal regulations and management scheme about opening and managing a clinic
LO 8	Defines the concept of ergonomics in dentistry and grasps four-hand dentistry
LO 9	Understands the responsibilities of the physician to the patient, knows the rights of the patient and the physician

Content of Subcommittee

Department	Subject	Hour
	QUALITY MANAGEMENT IN HEALTHCARE	
Multidisciplinary	Concepts of Quality and Total Quality in Health	1
	Top Management Responsibilities in Total Quality Management	1
	Employee Participation in Total Quality Management	1
	Continuous Improvement in Total Quality Management	1
	International Accreditation Standards and Certification	1
	Joint Commission International Accreditation Standards	1
	Quality and Documentation	1
	Patient and Employee Safety	1
	Medical Waste Management	1
	CLINIC MANAGEMENT	
Multidisciplinary	Legal Procedures Required for Opening a Clinic	1
	Installation and Maintenance of Radiographic Devices in the Practice	1
	Working Order and Staff Training	1
	Ergonomics in Dentistry Practice	1
	Four Handed Dentistry	1
	Financial Management in the Clinic	1
	Patient-Physician Rights and Responsibilities	1

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
	Discussion		Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer	X	Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References

1	Sıdıka Kaya, Sağlık Hizmetlerinde Sürekli Kalite İyileştirme, Pelikan Yayınları, 2005
2	Selma Söyük, Arzu Üzgül Yenidikici, Sağlık İşletmelerinde Kalite Yönetimi, Açık ve Uzaktan Eğitim Fakültesi, Ders Notları
3	Handan Ertaş, Muhammed Ali Güden. Hastanelerde Tıbbi Atık Yönetimi, Sosyal Araştırmalar ve Yönetim Dergisi, 2019:1;53-67
4	Diş Hekimliği Muayenehanesi Yönetim Sistemi, Türk Diş Hekimleri Birliği Yayınları, Eğitim Dizisi: 19, İstanbul, 2014.
5	Mehmet Ali Kılıçarslan, Dört Elli Diş Hekimliğinde Yardımcı Personel ve Klinik Yönetimi, Palme Yayıncılık, 2013
6	Ders Notları

Quantification and Consideration

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term/Quiz

	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15
LO 1	1	1	1	1	1	1	1	1	5	1	3	1	1	1	1
LO 2	1	1	1	1	1	1	1	1	5	1	1	1	1	3	1
LO 3	1	1	1	1	1	1	1	1	5	3	3	1	1	3	1
LO 4	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1
LO 5	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1
LO 6	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1
LO 7	1	1	1	1	1	4	1	1	3	1	1	1	1	2	1
LO 8	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1
LO 9	1	1	1	1	1	5	1	1	5	1	5	1	1	3	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Theoretical Course Hour	16	1	16
Preparation for the Course	16	0,5	8
Preparation for the Committee Exam	1	5	5
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	5	5
Final Theoretical Exam	1	1	1
		Total workload	36
		Total workload / 25	36/25
		ECTS credits	1

CS-4 Research Techniques and Presentation

(DTC500 Theoretical Committees- Clinical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY			
SUBCOMMITTEE DESCRIPTION FORM			
Type of Subcommittee	**Code of Subcommittee**	**Name of Subcommittee**	**ECTS**
Clinical Sciences	CS-4	Research Techniques and Presentation	1

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
28	19	Assoc. Prof. Dr. Özay Önöral

Aim of the Subcommittee

Teaching the effective use of dentistry research databases; to explain how to use the printed and internet resources effectively; to be able to read scientific articles in accordance with the purpose and to show the examination; understanding of research methods; introduction of scientific article sections; is the acquisition of presentation skills.

Learning Objectives

LO 1	Knows the concepts related to the field of dentistry and the relations between concepts and has theoretical and applied knowledge supported by textbooks, application tools and other resources containing current information in the field.
LO 2	Brings comments and solutions to create new information by integrating his/her knowledge in the field of dentistry with information from different disciplines.
LO 3	Adopts and applies the principles of professional development and lifelong learning related to the field of dentistry.
LO 4	Knows databases
LO 5	Uses printed and/or internet resources effectively
LO 6	Examines and evaluates the scientific article
LO 7	Knows and uses different research methods effectively
LO 8	Synthesizes scientific sources obtained from databases and turns them into presentations.
LO 9	Has knowledge of the tools used in the presentation activity and develops speaking skills

Content of Subcommittee

Department	Subject	Hour
	Science definition and properties; scientific methods and classification	1
	Research, stages and methods of the research process	1
	Research methods on the Internet	1
	Basic concepts in scientific research, research design	1
	Sampling, sampling types, terminology	1
	Statistics and publication ethics	1
	How to read a scientific article?	1
	How to write an abstract?	1
	Article writing techniques	1
	Practice 1: Research	2
	Practice 2: Scientific data documentation	3
	Practice 3: Presentation	14

Learning and Teaching Techniques of the Subcommittee

X	Expression		Experiment		Project Design and Management
X	Discussion	X	Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
X	Observation		Problem/Problem Solving		Brain Storming

References

1	Sağlık bilimlerinde araştırma yöntemleri / Sümbüloğlu, Vildan.
2	Toplumsal araştırma yöntemleri: Nitel ve nicelik yaklaşımlar / Neuman, William Lawrence.
3	Bilimsel araştırma teknikleri ve istatistik yöntemleri / Kaptan, Saim
4	Klinik saha araştırmalarında örnekleme yöntemleri ve örneklem büyüklüğü / Sümbüloğlu, Vildan.
5	Araştırma-yazma ve sunu teknikleri: Yönlendirilmiş çalışma I-II / İslam, Yücel
6	Bilimsel araştırmanın temel ilkeleri / Baydar, Metin Lütfi
7	Lecture notes

Quantification and Consideration

X	Attendance		Clinical Internship	X	Project
	Laboratory	X	Homework		Mid-term/Quiz
	Practical/Implementation	X	Presentation		Committee Exam

Contribution of Learning Objectives to Program Competencies

	PY 1	PY 2	PY 3	PY 4	PY 5	PY 6	PY 7	PY 8	PY 9	PY 10	PY 11	PY 12	PY 13	PY 14	PY 15

LO 1	3	1	1	1	1	2	1	2	1	2	2	4	5	1	1
LO 2	2	1	1	1	1	1	1	3	1	2	2	4	5	1	1
LO 3	1	1	1	1	1	1	1	1	1	1	1	5	1	1	1
LO 4	1	1	1	1	1	1	1	1	1	1	1	1	5	1	1
LO 5	1	1	1	1	1	1	1	1	1	1	1	1	5	1	1
LO 6	3	1	1	1	1	2	1	2	1	2	2	4	5	1	1
LO 7	3	1	1	1	1	1	1	2	1	2	2	4	5	1	1
LO 8	1	1	1	1	1	1	1	2	1	1	1	2	5	1	1
LO 9	1	1	1	1	1	1	1	2	1	1	1	2	5	1	4
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation

Activities	Number	Duration(hour)	Total workload (hour)
Theoretical Course Hour	28	1	28
Preparation for the Course	1	12	12
Preparation for the Committee Exam	0	0	0
Committee Exam	0	0	0
Preparation for the Final Theoretical Exam	0	0	0
Final Theoretical Exam	0	0	0
		Total workload	40
		Total workload / 25	40/25
		ECTS credits	1

CMS-1 Clinical Medical Sciences I

(DTC500 Theoretical Committees- Clinical Medical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY

SUBCOMMITTEE DESCRIPTION FORM

Type of Committee	Code of Committee	Name of Committee	ECTS
Clinical Medical Sciences	CMS-1	Clinical Medical Sciences I	2

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
32	Nothing to Declare	

Aim of the Committee

To teach the importance of systemic diseases and preventive measures to be taken in dentistry practice, to teach the physiology, symptoms and signs of ear, nose, throat and eye diseases, and to make differential diagnosis of dermatological diseases that also give mouth findings.

Learning Objectives

LO 1	Gains knowledge of clinical signs, symptoms and importance of systemic diseases in dentistry.
LO 2	Knows to analyze the patient with bleeding.
LO 3	Knows how to intervene in emergency situations.
LO 4	Gains knowledge of upper respiratory tract, oral cavity and deep neck infections.
LO 5	Makes a preliminary diagnosis of sinusitis and head and neck cancers.
LO 6	Defines the anatomy, physiology and pathology of the eye sense organ.
LO 7	Identifies skin and mucous lesions.
LO 8	Recognizes systemic, skin and eye diseases that require urgent intervention and refer critical patients to a higher-level health institution.

Content of Committee

Department	Subject	Hour
Internal Medicine	General symptoms in internal diseases	1
	Vital signs in internal diseases	1
	Defeyans, syncope, shock, coma and sudden death	1
	Early hypersensitivity reactions and anaphylaxis	1
	Oral and dentistry in febrile diseases	1
	Cardiovascular, valvular diseases and circulatory failure in terms of dentistry	1
	Hematological problems and bleeding in dentistry 1	1
	Hematological problems and bleeding in dentistry 2	1
	Gastroenterological diseases and oral health	1
	Endocrine system and dentistry	1
	Dentistry in renal failure, dialysis and organ transplantation	1
ENT	ENT physical examination	1
	Upper respiratory infections	1
	Rhinosinusitis	1
	Allergic rhinitis	1
	Epistaxis	1
	Oral cavity and oropharynx infections	1
	Head and neck cancers	1
	Deep neck infections	1
	Ear pain	1
	OSA and snoring	1
Ophthalmology	Eye anatomy and physiology	1
	Eyelid diseases	1
	Retina and its diseases	1
	Visual disturbances	1
	Glaucoma	1
	Contact lenses and their diseases	1
	Uvea diseases	1
Dermatology	Skin and visible mucosa diseases	2
	Urticaria drug eruptions and contact dermatitis	2

Learning and Teaching Techniques of the Courses

X	Expression		Experiment		Project Design and Management
	Discussion		Practical / İmplementation		Preparation & Presentation of Report
X	Question-Answer		Case Observation		Team Work
	Observation		Problem/Problem Solving		Brain Storming

References	
1	Koç, C. Kulak Burun Boğaz Hastalıkları ve Baş-Boyun Cerrahisi, Güneş Tıp Kitabevi, 3. Baskı, 2019.
2	Gürler, EB. Diş Hekimliği Bakış Açısıyla Sistemik Hastalıklar, Güneş Tıp Kitabevi, 1. Baskı, 2016.
3	Gürel MS, Karadağ AS, Aksu AEK, Akdeniz N, Erdemir MA. Klinik Dermatoloji, Güneş Tıp Kitabevi, 1. Baskı, 2018.
4	O'dwyer PA, Akova YA. Temel Göz Hastalıkları, Güneş Tıp Kitabevi, 3. Baskı, 2015.

Quantification and Consideration					
X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term/Quiz
	Practical/Implementation		Presentation	**X**	Committee Exam

Contribution of Learning Objectives to Program Competencies															
	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	2	1	4	4	1	1	1	1	1	1	1	1	1	1	1
LO 2	1	2	2	1	1	1	2	1	2	1	1	1	1	1	1
LO 3	2	2	2	2	1	1	3	1	1	1	1	1	1	1	1
LO 4	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
LO 5	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1
LO 6	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
LO 7	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
LO 8	1	2	1	2	1	1	3	1	1	1	1	1	1	1	1
Level of Contribution	1: None			2: Weak			3: Moderate			4: Good			5: Perfect		

Workload and ECTS Calculation			
Activities	Number	Duration (hour)	Total workload (hour)
Practical lecture hours	32	1	32
Preparation to the lecture + Homework	32	0,5	16
Preparation to the committee exam	1	1	1
Mid-term/Quiz	1	1	1
Preparation to end of year general practical examination	1	1	1
End of year general practical examination	1	1	1
		Total workload	52
		Total workload / 25	52/25
		ECTS credits	2

CMS-II Clinical Medical Sciences II

(DTC500 Theoretical Committees- Clinical Medical Sciences Subcommittee)

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY

Committee Information Sheet

Type of Subcommittee	Code of Subcommittee	Name of Subcommittee	ECTS
Clinical Medical Sciences	CMS-2	Clinical Medical Sciences II	2

Theoretical Course (Hour)	Practical Course (Hour)	Subcommittee Supervisor
36	Nothing to Declare	

Aim of the block

Teaching the diseases, fundamental equipment, and the emergency treatments of general surgery; teaching the probable medical complications and forensic responsibilities during dentistry practice and teaching the reporting stage of these diseases; teaching the approach of dentistry conditions in patients with neuropsychiatric diseases and treatments.

Learning objectives

LO 1	Knows the basic approach for general surgery
LO 2	Understands the diseases and the approach to the treatment of general surgery
LO 3	Knows the forensic responsibilities of dentistry
LO 4	Understands the process, liability and reporting procedures of forensic medicine
LO 5	Knows the neuropsychiatric diseases and how to approach them in dentistry

Content of committee

Department	Subject	Hour
General Surgery	Ethics and the Philosophy of Surgery	1
	Sterilization and disinfection procedures	1
	Surgical materials and suture materials	1
	Transfusion Medicine and Hemostasis	1
	Pathophysiology and Treatment of Shock	1
	Surgical Infections	1
	Evaluating and Preparing Wounds	1
	Management of patients with systemic disease	1
	Trauma and burns	1
	Surgical Oncology and Pathophysiology of cancer	1
	Acute Abdominal Pain	1
Forensic Medicine	History and Scope of Forensic Odontology	1
	Forensic Sciences and Forensic Identification	1
	Role of dental expert in forensic odontology	1
	The legal responsibility of the dentist	1
	Dental Malpractice	1
	Complications in dental practice	1
	Patterned Injury Analysis and Bitemark Comparison and Assessment of Dental Age	1
	Oral and Dental Aspects of Child Abuse and Neglect	1
	Oral Maxillofacial Trauma and Forensic Dentistry	1
	In Forensic Cases, Report Preparation and Responsibilities of the Dentist	1
	Writing a Forensics / Expert Report	1
Neurology and Psychiatry	Diagnosis and Classification in Psychiatry	1
	Mood Disorders and Psychotic Disorders	1
	Neurotic, Stress-related Disorders and Sleep Disorders	1
	Somatoform Disorders	1
	Psychoactive Substance Use Disorders	1
	Psychopharmacology and Psychological Treatments	1
	The Oral Manifestations of Psychiatric Disorders	1
	Cerebrovascular Diseases and Neurological complications of systemic disease	1
	Epilepsy	1
	Neuromuscular Junction Disorders	1
	Diseases of the peripheral nervous system	1
	Neurological disorders in children	1
	Neuropharmacology and side effects	1
	Management of the dental patient with neurological disease	1

Learning and teaching techniques of lecture

X	Expression		Experiment		Project Design and management
X	Discussion		Practical / Implementation		Preparation & Presentation of Report
X	Question-Answer		Case observation		Team work
	Observation	X	Problem and Problem Solving	X	Brain Storming

Ders Kaynakları

1	Klinik Adli Tıp, Adli Tıp Uygulamaları Prof.Dr. Oğuz Polat, 8. baskı,2017, Seçkin Kitapevi
2	Klinik Nöropsikoloji ve Nöropsikiatrik Hastalıklar, Prof.Dr.Emre Kumsal,2.Baskı,2018, Güneş Tıp Kitapevi
3	Afşin H, Özaslan A. Endodontik Tedavilere Adli Diş Hekimliği Yaklaşımı ve Travmalarının Derecelendirilmesi. Türkiye Klinikleri 2018; 20-30
4	Afşin H. Adli Diş Hekimliği, Adli Tıp Kurumu Yayınları İstanbul 2004
5	Tintinalli Acil Tıp, Judith E. Tintinalli, 7. baskı, 2013, Güneş tıp Kitap Evleri
6	Afşin H, Karadayı B, Büyük Y. Adli Diş Hekimliğinin Adli Bilimlerdeki Rolü - Bölüm 1: Felaket Kurbanlarının Kimliklendirilmesi ve Adli Olaylarda Dişlerden Yaş Tahmini. J For Med 2014;28(3):275-86.
7	Karadayı B, Afşin H, Bekcan M. Adli Diş Hekimliğinin Adli Bilimlerdeki Rolü - Bölüm 2: Isırık İzleri, Cinsiyet Tespiti, Dişten DNA, Dudak Damak İzleri ve Travma Zararları. J For Med 2015;29(1):38-47.

References

X	Attendance		Clinical Internship		Project
	Laboratory		Homework		Mid-term/Quiz
	Practical/Implementation		Presentation	X	Committee Exam

Contribution of Learning Objectives to Program Competencies

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO 1	2	2	1	3	1	1	1	1	1	1	1	1	1	1	1
LO 2	1	2	3	3	1	1	2	1	1	1	1	1	1	1	1
LO 3	1	1	1	1	1	5	2	1	3	3	4	1	1	1	1
LO 4	1	1	1	2	1	5	2	1	3	3	4	1	1	1	1
LO 5	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1

Level of Contribution	1: None	2: Weak	3: Moderate	4: Good	5: Perfect

Calculation of Workload and ECTS

Programs	Number	Duration (Hour)	Total Workload (Hour)
Theorical lecture hours	36	1	36
Preparation to lectures	18	0,5	9
Preparation to end of committee exam	1	3	3
End of committee exam	1	1	1
Preparation to end of year general theoretical examination	1	4	6
End of year general theorical examination	1	1	1
		Total work load	56
		Total work load / 25	56/25
		ECTS Credit	2

Year 5 Clinical Internship List

Internship Code	Name of Subcommittee	ECTS
DCI501	Oral and Maxillofacial Surgery	4
DCI502	Oral and Maxillofacial Radiology	4
DCI503	Endodontics	4
DCI504	Orthodontics	2
DCI505	Pediatric Dentistry	4
DCI506	Periodontology	2
DCI507	Prosthetic Dentistry	4
DCI508	Restorative Dentistry	4

Elective Courses

Our students take 19 elective courses within or outside the field during their 5-year dentistry education. Elective courses are opened by our University's Common Courses Coordinator-ship and our students choose at least 1 elective course from the pool of elective courses each semester according to their interests.

Course Code	**Course Name**
SEC201	Web designing
SEC202	Turkish Cypriot Culture
SEC203	Narrative Methodology
SEC204	Ceramic
SEC220	Body Language and Communication
SEC221	News Workshop
SEC222	Health Law
SEC226	Health and Arts
SEC225	Professional Communication in Dentistry
SEC216	Photography Expression Techniques
SEC103	Community Service Practices
SEC104	STEM (Science, Technology, Engineering, and Mathematics)
SEC105	Graphic design
İMK101	English Media Club
SEC106	Modeling
SEC114	Interpersonal communication
SEC220	Museum Education Practices
SEC224	Sociology
SEC116	Professional Communication
SCM120	Healthy Living Strategies
SEC112	Basic Art Education
SEC234	Web Page Design with Google Sites
SEC108	Communication Tools and Social Relations
SEC149	Use of Technology and Human Health
RSS101	Russian I
SEC135	New Communication Technologies

SEC137	IT Ethics
SEC147	Communicating Effectively with Individuals Having Special Needs
SEC132	Information Storage and Management
SCM375	Strategic Management
SEC131	Digital Cultures
DEC426	Stomatognathic System- An Introduction to Problem Solving
DEC404	Advancements in Prosthetic Materials
DEC406	Advanced Technologies in Endodontics
DEC414	Pathology Practical
DEC416	Smile Design; Planning and Techniques
DEC422	Treatment Approaches in Children with Special Needs
DEC424	Nanotechnology in Dentistry
DEC505	Advanced Prosthetic Approaches in Implantology
DEC506	Immunology and Vaccines
DEC507	Digital Smile Design
DEC510	Orthodontic Analyses
DEC501	Computer Aided Design Implementations
DEC503	Imaging and Examination of TMJ and Salivary Glands
DEC504	CBCT Interpretation (Crash Course)
DEC508	Herbal Approach in Restorative Dentistry
DEC509	Tissue Engineering in Dentistry

Diploma Supplement Sample

NEAR EAST UNIVERSITY

Diploma No:	***Diploma Date:***

1.INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1. Family name(s): ***1.2. Given name(s):***	***1.3. Placement and date of birth:*** ***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 ***2.2. Main field(s) of study for qualification*** Faculty of Dentistry ***2.3. Name and status of awarding institution*** Yakın Doğu Üniversitesi (Near East University), Private University	***2.4. Name and type of institution administering studies*** Same as 2.3 ***2.5. Language(s) of instruction/examinations*** English and Turkish

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 program (300 ECTS) 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 Student Selection 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. Program requirements*** A student is required to have a minimum of cGPA of 2.00/4.00 and no failing grades (FF).

4.3. Objectives

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.

4.4. Program details and the individual grades/marks obtained

YEAR 1					
Course Code	**Course Name**	**CR**	**ECTS**	**Status**	**Grade**
DTC100	Year 1 Theoretical Committee		28	Compulsory	-
Practical Committee					
DPC100	Year 1 Practical Committee		10	Compulsory	-
Compulsory Mutual Courses					
TUR100	Turkish Literature		4	Compulsory	-
AİT100	Atatürk Principles and Evolution History		4	Compulsory	-
İNG100	English Literature		6	Compulsory	-
Elective Courses					
SEC***	Elective Course 1		4	Elective	-
SEC***	Elective Course 2		4	Elective	-
		60	60		

YEAR 2					
Course Code	**Course Name**	**CR**	**ECTS**	**Status**	**Grade**
DTC100	Year 2 Theoretical Committee		24	Compulsory	
Practical Committee (DPC200)					
DPB-1	Year 2 Practical Committee		20	Compulsory	
Elective Courses					
SEC***	Elective Course 1		4	Elective	
SEC***	Elective Course 2		4	Elective	
SEC***	Elective Course 3		4	Elective	
SEC***	Elective Course 4		4	Elective	
		60	60		

YEAR 3					
Course Code	**Course Name**	**CR**	**ECTS**	**Status**	**Grade**
Theoretical Committee					
DTC300	3. Year Theoretical Committee		17	Compulsory	
Practical Committee					
DPC300	3. Year Practical Committee		31	Compulsory	
Elective Courses					
SEC***	Elective Course 1		4	Elective	
SEC***	Elective Course 2		4	Elective	
SEC***	Elective Course 3		4	Elective	
		60	60		

YEAR 4					
Course Code	**Course Name**	**CR**	**ECTS**	**Status**	**Grade**
Theoretical Committee					
DTC400	4. Year Theoretical Committee		16	Compulsory	
Clinical Internships					
DCI401	Oral and Maxillofacial Radiology		3	Compulsory	
DCI402	Oral and Maxillofacial Surgery		3	Compulsory	
DCI403	Endodontics		3	Compulsory	
DCI404	Orthodontics		3	Compulsory	
DCI405	Pedodontics		3	Compulsory	
DCI406	Periodontology		3	Compulsory	
DCI407	Prosthodontics		3	Compulsory	
DCI408	Restorative Dentistry		3	Compulsory	
Elective Courses					
SEC***	Elective Course 1		4	Elective	
SEC***	Elective Course 2		4	Elective	
SEC***	Elective Course 3		4	Elective	
SEC***	Elective Course 4		4	Elective	
SEC***	Elective Course 5		4	Elective	
		60	60		

YEAR 5					
Course Code	Course Name	CR	ECTS	Status	Grade
Theoretical Committee					
DTC500	5. Year Theoretical Committee		8	Compulsory	
Clinical Internships					
DCI401	Oral and Maxillofacial Radiology		4	Compulsory	
DCI402	Oral and Maxillofacial Surgery		4	Compulsory	
DCI403	Endodontics		4	Compulsory	
DCI404	Orthodontics		4	Compulsory	
DCI405	Pedodontics		4	Compulsory	
DCI406	Periodontology		4	Compulsory	
DCI407	Prosthodontics		4	Compulsory	
DCI408	Restorative Dentistry		4	Compulsory	
Elective Courses					
SEC***	Elective Course 1		4	Elective	
SEC***	Elective Course 2		4	Elective	
SEC***	Elective Course 3		4	Elective	
SEC***	Elective Course 4		4	Elective	
SEC***	Elective Course 5		4	Elective	
		60	60		
TOTAL CREDITS 300- ECTS 300					

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 cGPA 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 cGPA 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:

Percentage	Course Grade	Grade Points	
90-100	AA	4	Excellent
85-89	BA	3.5	Excellent
80-84	BB	3	Very good
75-79	CB	2.5	Very good
70-74	CC	2	Good
60-69	DC	1.5	Average
50-59	DD	1	Average
49-0	FF	0	Failed

4.6. Overall classification of the award

Successful

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 composed of 3 pre-clinical years followed by 2 years of clinical internship. Students receive compulsory and elective courses (25% of the total credit) throughout their education.

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 Educaiton Council of Turkey: **https://www.yok.gov.tr/en**

7. CERTIFICATION OF THE SUPPLEMENT

7.1. Date

7.3. Capacity

7.2. Name and Signature

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, as depicted below. 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

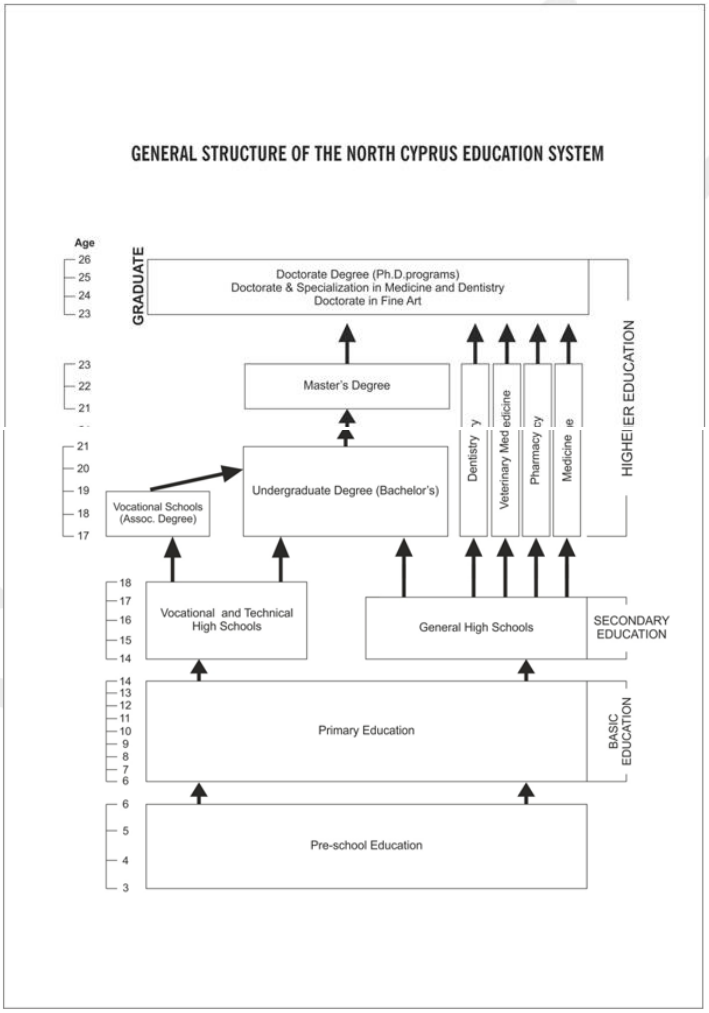
a one-tier system. The duration of these one-tier programmes is five years except for medicine which lasts six years. The qualifications in these one-tier programmes are equivalent to the first cycle (bachelor degree) plus secondary cycle (master degree) degree. Undergraduate level of study consists 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.

SAMPLE


GENERAL STRUCTURE OF THE NORTH CYPRUS EDUCATION SYSTEM
Age
26
25
24
23
GRADUATE
Doctorate Degree (Ph.D.programs)
Doctorate & Specialization in Medicine and Dentistry
Doctorate in Fine Art
23
22
21
Master's Degree
21
20
19
18
17
Vocational Schools
(Assoc. Degree)
Undergraduate Degree (Bachelor's)
Dentistry
Veterinary Medicine
Pharmacy
Medicine
HIGHER EDUCATION
18
17
16
15
14
Vocational and Technical
High Schools
General High Schools
SECONDARY
EDUCATION
14
13
12
11
10
9
8
7
6
Primary Education
BASIC
EDUCATION
6
5
4
3
Pre-school Education