NEAR EASTT UNIVERSITY FACULTY OF DENTISTRY
2022-2023 ACADEMIC YEAR COURSE CONTENTS

CODE	COURSE NAME	Pre.	C/E	T	P	ECTS
DTC100	**Year 1 Theoretical Committees**	-	C	362	0	28
	CS1 - Introduction to Dentistry	-		44	0	3
	CS2 - Dental Anatomy and Morphology	-		16	0	2
	CS3 - Dental Tissues and Material Science	-		23	0	2
	BMS1 - Cellular Base of Life	-		64	6	5
	BMS2 - Tissue and Embryology	-		67	6	5
	BMS3 - Cardiovascular and Respiratory Systems	-		46	3	4
	BMS4 - Gastrointestinal System and Metabolism	-		57	6	4
	BMS5 - Urogenitale and Endocrine Systems	-		45	9	3
DPC100	Year 1 Prctical Committee	-	C	0	80	10
YİT100	Turkish Language	-	C	4	0	4
AİT200	Atatürk's Principles and History of Turkish Revolution	-	C	4	0	4
ENG100	English	-	C	6	0	6
ELC***	Elective Course I	-	E	2*15	0	4
ELC***	Elective Course II	-	E	2*15	0	4
Total				436	110	60

C: Compulsory – E: Elective – CE: Compulsory Elective– T: Theory– P: Practical –ECTS: European Credit Transfer System

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC100	Compulsory	CS1	Introduction to Dentistry

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
44	0	3	

Aim of the Committee
Introducing the departments, explaining the historical development process of dentistry, introducing the basic tools and instruments used in diagnosis and treatment in dentistry, teaching emergency situations and intervention steps, explaining the methods and materials used in providing oral hygiene and gaining oral hygiene habits, developing the individual's observations about life and environment of individual together with a systematic knowledge.

Learning Outcomes		
LO 1	*After the completion of this committee, students will be able to ...*	define the fields of study of the main branches of dentistry.
LO 2		explain the historical development process of dentistry.
LO 3		recognize the basic tools and instruments used in diagnosis and treatment in dentistry.
LO 4		distinguish emergency situations and lists intervention steps.
LO 5		relate the methods and materials used in providing oral hygiene.

Committee Outline		
Department	**Subject 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	1
Dentomaxillofacial 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
Prosthetic Dentistry	Development of dentistry in Turkey	1
Restorative Dentistry	Dental organizations	1
Tools and Devices Used in Dentistry		
Endodontics	Dental hand tools	1
Restorative Dentistry	Instruments used in operative dentistry	1
First Aid and Emergency		
First Aid and Emergency	General approach to trauma, vital findings, airway management, foreign body aspirations	1
	First aid in unconsciousness	1
	First aid in bleeding and heat balance disorders	1
	Fractures, dislocations, sprains and wounds	2
	Basic life support and advanced cardiac support	1
	Animal bites, poisoning, shock, transferring the patiens	1
Oral Hygiene		
Periodontology	Providing oral hygiene and tooth brushing techniques	1
Behavioral Sciences		
	Introduction to behavioral sciences and basic concepts	1
	Behavioral science research methods	1
	Anthropology, sociology, psychology	1

Psycology	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 Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation	x	Problem / Problem Solving		Brainstorming

Committee References	
1	Efeoğlu A (1992).Diş Hekimliği Tarihi Ders Notu İ.Ü. Diş Hekimliği Fakültesi, İstanbul
2	Malvin E. Ring (1993). Dentistry. Illustrated History. Abradale Press.
3	Türk Kızılayı ilk yardım el kitabı (2018) 16. baskı. Matsa Basımevi, Ankara
4	Anusavice K. Philips (2003). Science of Dental Materials. 11th ed.
5	Harald O. Heymann, Edward J. Swift, Jr., Andre V. Ritter. (2016) Sturdevant's Art & Science of Operative Dentistry.7th ed, Elsevier Health Sciences.
6	Newman M, Takei H, Klokkevold P, Carranza F (2019). Clinical Periodontology, 13th ed.Elsevier
7	Eroğlu F (2021). Davranış Bilimleri. 4. baskı. Beta Yayınları. İstanbul

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	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
LO 1	2	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	2	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
LO 4	2	1	3	1	1	1	1	1	1	1	1	1	1
LO 5	1	1	1	2	1	1	2	1	1	1	1	1	1
LO 6	1	1	1	1	1	1	1	1	4	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	44	1	44
Preparation for the Course	44	0.5	22
Preparation for 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	83
		Total Workload / 30	83/30
		ECTS Credits	~3

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC100	Compulsory	CS2	Dental Anatomy and Morphology

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
16	0	2	

Aim of the Committee
Explaining of the terms, axes, and planes used in dentistry, the dental numbering systems used worldwide, the anatomy of the crown, root, and pulp of permanent and deciduous teeth; the relationships of teeth in the same and opposing arch.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	use the terminology to describe teeth and surrounding tissues.
LO 2		notate the deciduous and permanent teeth according to different notation systems.
LO 3		recognise and name the anatomical formations of the crown, root, and canal morphologies of permanent teeth and
LO 4		define the relationship between teeth in the same and opposing arch.
LO 5		recognise the morphological characteristics of deciduous teeth and differentiate from permanent teeth.

Committee Outline		
Department	**Subject Title**	**Hour**
Prosthetic Dentistry	Introduction to dental anatomy and terminology	2
Dentomaxillofacial Radiology	Dental notation systems	1
Permanent Teeth		
Prosthetic Dentistry	Morphologies of maxillary central and lateral	2
	Morphologies of mandibular central and lateral	1
	Morphologies of maxillary and mandibular canine	1
	Morphologies of maxillary premolars	1
	Morphologies of mandibular premolars	1
	Morphology of maxillary 1. molar	1
	Morphology of mandibular 1. molar	1
	Morphologies of maxillary and mandibular 2. molar	1
	Dental arch morphology	1
Endodontics	Pulp anatomies of permanent teeth	1
Primary Teeth		
Pedodontics	Morphological structures of primary teeth	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Hilton Riquieri(2019). Dental Anatomy and Morphology, Quintessence Publishing,1. baskı, İstanbul
2	Nelson SJ, Ash MM (2010). Wheeler's Dental Anatomy, Physiology and Occlusion, Elsevier
3	Scheid RC, Weiss G (2012). Woelfel' s Dental Anatomy. 8th ed. Williams & Wilkins, a Wolters Kluwer Business, USA.
4	Dean J (2021) .McDonald and Avery's Dentistry for the Child and Adolescent, 6th ed. Elsevier, Amsterdam.
5	Lecture notes

Quantification and Consideration

x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	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
LO 1	2	2	1	1	1	1	1	1	1	1	1	1	1
LO 2	2	1	1	1	1	1	1	1	1	1	1	1	1
LO 3	2	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
LO 5	2	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			
Educational Tools	**Amount**	**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	20	20
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	10	10
Final Theoretical Exam	1	1	1
		Total Workload	56
		Total Workload / 30	56/30
		ECTS Credits	~2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC100	Compulsory	CS3	Dental Tissues and Material Science

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
23	0	2	

Aim of the Committee
Explaining the physical and mechanical properties of dental materials used in applied courses, explaining the development, histology and physiology of the teeth and surrounding tissues in the oral cavity.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	classify dental materials according to their intended use and use terminology to explain their properties.
LO 2		recognize teeth and tissues surrounding teeth, defines developmental processes and factors affecting these processes.

Committee Outline		
Department	**Subject Title**	**Hour**
Material Science		
Prosthetic Dentistry	Material science and terminology	2
	Gypsum and its products	1
	Dental waxes	1
	Acrylic resin	1
	Metals and alloys	1
Dental Tissues		
Histology and Embryology	Embryology of the tooth	2
Restorative Dentistry	Histology of enamel	2
	Histology of dentin	2
Periodontology	Gingival epithelium, connective tissue	2
	Cementum, periodontal ligament, alveolar bone	1
Endodontics	Histophysiology of the pulp	1
	Periapical tissues	2
Biochemistry	Tissues of oral cavity	1
	Structure of enamel, dentin and cementum	2
	Inorganic structure of the tooth and bone	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation	x	Problem / Problem Solving		Brainstorming

Committee References	
1	Sakaguchi RL, Powers JM (2019). Craig's Restorative Dental Materials. 14. ed. Elsevier Mosby, St. Louis.
2	Anusavice KJ, Shen C, Rawls HR (2021). Phillips' Science of Dental Materials. 13. ed. St. Louis: Elsevier Inc.
3	Berkovitz BK, Holland GR, Moxham, BJ (2017). Oral Anatomy, Histology and Embryology. Elsevier Health Sciences.
4	John J. Manappallil (2010). Basic Dental Materials, Jaypee Brothers Medical Publishers (P) Ltd.; 3/E edition
5	Newman M, Takei H, Klokkevold P, Carranza F (2019). Clinical Periodontology, 13th ed.Elsevier

6	McDonald and Avery's (2016). Dentistry for the Child and Adolescent. 10th ed. Elsveir, Holland.
7	Welbury R, Duggal MS, Hosey MT (2018). Paediatric Dentistry. 5th ed. Oxford, England.
8	Hargreaves, K. M., & Berman, L. H. (2015). Cohen's Pathways of the Pulp. Elsevier Health Sciences.
9	Torres, C. R. G. (Ed.). (2019). Modern operative dentistry: Principles for clinical practice. Springer Nature.
10	Junqueira Temel Histoloji Konu ve Atlas (20219). Güneş Tıp Kitapevleri, Ankara
11	Arola, D. D., Gao, S., Zhang, H., & Masri, R. (2017). The tooth: its structure and properties. Dental Clinics, 61(4), 651-668.
12	Harald O. Heymann, Edward J. Swift, Jr., Andre V. Ritter. (2016) Sturdevant's Art & Science of Operative Dentistry.7th ed, Elsevier Health Sciences.
13	Heymann HO, Swift EJ, Ritter AV (2016) Sturdevant's Art & Science of Operative Dentistry. 7th ed, Elsevier Health Sciences.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	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
LO 1	2	1	1	4	1	1	1	1	1	1	1	1	1
LO 2	2	3	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	23	1	23
Preparation for the Course	23	0.5	11.5
Preparation for 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	51.5
		Total Workload / 30	51.5/30
		ECTS Credits	~2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC100	Compulsory	BMS1	Cellular Base of Life

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
64	6	5	

Aim of the Committee
Explaining the biochemical, histological, and physiological structure of the basic compounds of the cell that form the basis of life, examining the genetic information transfer and cellular anomalies, teaching the anatomical structure of the bones in the body and head & neck region.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	describe the main organic and inorganic compounds in the body and their basic biochemical relationships.
LO 2		explain cell histology and physiology; list the histochemical techniques.
LO 3		name the anatomical structures that make up the skeletal system.
LO 4		list the basic principles of cell division.

Committee Outline		
Department	**Subject Title**	**Hour**
Biochemistry	Introduction to organic chemistry, atom and molecule concept and hybridization	2
Physiology	Introduction to physiology	1
Biophysics	What is biophysics? Subtypes of biophysics	1
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	1
Medical Biology and Genetics	Introduction to molecular cell biology	2
Biochemistry	Chemical bonds	2
	Organic chemical reactions	2
	Hydrocarbons	2
	Aromatic compounds	1
	Function, group and and isomarization in organic compounds	2
	Oxygenated organic compounds	2
	Nitrogenous and sulphur containing compounds	2
Biophysics	Measuring and measurability	1
	Physical dimentions, SI Unit system	1
Physiology	Physiology control systems and homeostasis	1
Histology and Embryology	The cell	2
Medical Biology and Genetics	Cell membrane and membrane transportation	2
	Organelles	2
	Signaling mechanism of cell components	2
	The cell cycle and its controls	2
Physiology	Body fluid compartments and its properties	1
	Cell membrane and dynamics	1
	Bioelectricity and potentials	2
Biochemistry	Amino acids and derivatives	1
	Carbohydrates	1
	Lipids	1
	Nukleic acids	2
	Proteins	1
Biophysics	Introduction to thermodynamics - rules of thermodynamics	1

Biophysics	Diffusion and osmosis of molecules from cell membrane	1
Medical Biology and Genetics	Genetic information flow, protein synthesis	2
	Cell divisions, cell divisions: mitosis and meiosis	2
Anatomy	General information about bones, upper and lower extremity bones	1
	Neurocranium	2
Medical Biology and Genetics	Mutagenesis and DNA repair	2
	RNA transcription	2
	Genetic information, structure of DNA, structure of RNA, chromatin structure	2
Anatomy	Viscerocranium	2
	Skull	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Nelson D. L., Cox M.M. Lehninger (2004). Biyokimyanın İlkeleri. Palme Yayınevi.
2	Rodwell VW, Bender D, Botham KM, Kennelly PJ, Weil PA. (2003). Harper's Illustrated Biochemistry. 31th ed. McGraw Hill LLC
3	Murray R. K et all (2003). Harper's Illustrated Biochemistry. Lange Medical Books/McGraw-Hill Medical Publishing Division
4	Tellingen C. V (2001). Biochemistry. Louis Bolk Instituut.
5	Stanford Jr. Al (2013). Foundations of Biophysisc. Academic Press, New York.
6	Guyton and Hall (2015). Textbook of Medical Physiology. Elsevier
7	Neil A. Campbell, Jane B. Reece. (2011) Campbell biology. 9th ed. publishing as Pearson Benjamin Cummings, 1301 Sansome St., San Francisco
8	Chandar, Nalini & Viselli, S (2010) Cell and Molecular Biology Lippincott's illustrated reviews. Lippincott Williams & Wilkins, a Wolters Kluwer business. Baltimore, Philadelphia
9	Reece JB. (2011) Campbell biology. 9th ed. Pearson Education, San Francisco, CA
10	Brooker, R J.(2019)Concepts of genetics . 3rd ed. McGraw-Hill Education, New York
11	Drake R.L. (2018) Grays Anatomi Öğrenciler için, 3. baskı, Nobel Tıp Kitapevi
12	Waschke J. (2016) Sobotta Anatomi Konu Kitabı, Güneş Tıp Kitapevi

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
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
LO 1	3	3	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
LO 3	2	3	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
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	64	1	64
Practical Course Hour	6	1	6
Preparation for the Theoretical Course	64	0.5	32
Preparation for the Practical Course	6	0.5	3
Preparation for 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	122
		Total Workload / 30	122/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC100	Compulsory	BMS2	Tissue and Embryology

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
67	6	5	

Aim of the Committee
Teaching the general characteristics and embryology of different tissue types in the human body, giving information about the general structure of muscles and joints, introducing the muscles and joints in the head and neck region, explaining the general anatomy of the nervous system and the physiological and biophysical mechanisms related to these systems.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	recognize tissues, counts and distinguishes histological features of basic tissue types.
LO 2		describe the electrical model of the cell membrane, explain the principles of visualization of electrical activity.
LO 3		explain the biochemical reactions occurring in and around the cell and lists their roles in the organism.
LO 4		recognize the anatomy and biochemical structure of muscles and joints.
LO 5		define the general working principle of muscle and nervous systems.
LO 6		define embryologic structures, developmental stages and associated anomalies.
LO 7		list the basic principles of heredity.

Committee Outline

Department	Subject Title	Hour
Histology and Embriology	Epithelial tissue, surface epithelium, glandular epithelium	2
Biophysics	Membrane model and origin of membrane potential	1
	Properties of excitable membranes	1
	Ion channels and ion exchange kinetics	1
Histology and Embriology	Connective tissue	3
	Blood tissue	2
Biochemistry	Enzymes	3
	Extracellular matrix biochemistry	2
Anatomy	General information of joints, upper and lower extremity joints	1
	Joints of the cranium and jaw joint	2
Histology and Embriology	Types of cartilage tissue	1
Biophysics	Fundamentals of radiation biophysics and radiation hazards	2
	Imaging techniques	2
Histology and Embriology	Bone tissue	2
	Muscle tissue	1
Physiology	Striated muscle physiology	2
	Smooth muscle physiology	1
Biophysics	Mechanics of muscle contraction and EMG	1
Anatomy	General information about muscles	1
	Neck muscles	2
	Muscles of the face and masticatory muscles	2
Biochemistry	Muscle tissue biochemistry	2
Physiology	Nervous tissue and nervous system	1
	Nerve tissue physiology	1
	Central and peripheral nerve physiology	1
	Synaptic transmission	2
	Nerve tissue mediators	1
	General characteristics of the autonomic nervous system	1

Biophysics	Action potential in the nerve cell and EEG	2
	Electrical signal recording	1
Histology and Embriology	Introduction to embryology and terminology	1
	Gametogenesis Oogenesis and ovarian cycle	1
	Gametogenesis Spermatogenesis	1
	The beginning of human development: Week 1	1
	Bilaminar germ disk formation: Week 2	1
	Formation of germ layers: Week 3	1
	Fetus and placenta	1
	Multiple pregnancy, conjoined and parasitic twins	1
	Human structural defects, teratogens	1
Medical Biology and Genetics	Central dogma and DNA replication	2
	Chromosal anomalies	2
	Mendelian inheritance	2
	Nonmendelian inheritance	2
	Molecular basis of diseases and cancer genetics	2
Biochemistry	Biochemistry of inorganic compounds	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Nelson D. L., Cox M.M. Lehninger (2004). Biyokimyanın İlkeleri. Palme Yayınevi.
2	Murray R. K et all (2003). Harper's Illustrated Biochemistry. Lange Medical Books/McGraw-Hill Medical Publishing Division
3	Tellingen C. V (2001). Biochemistry. Louis Bolk Instituut.
4	Stanford Jr. Al (2013). Foundations of Biophysisc. Academic Press, New York.
5	Guyton and Hall (2015). Textbook of Medical Physiology. Elsevier
6	Neil A. Campbell, Jane B. Reece. (2011) Campbell biology. 9th ed. publishing as Pearson Benjamin Cummings, 1301 Sansome St., San Francisco
7	Chandar, Nalini & Viselli, S (2010) Cell and Molecular Biology Lippincott's illustrated reviews. Lippincott Williams & Wilkins, a Wolters Kluwer business. Baltimore, Philadelphia
8	Reece JB. (2011) Campbell biology. 9th ed. Pearson Education, San Francisco, CA
9	Brooker, R J.(2019)Concepts of genetics . 3rd ed. McGraw-Hill Education, New York
10	Drake R.L. (2018) Grays Anatomi Öğrenciler için, 3. baskı, Nobel Tıp Kitapevi
11	Waschke J. (2016) Sobotta Anatomi Konu Kitabı, Güneş Tıp Kitapevi

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
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
LO 1	2	4	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
LO 3	2	3	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
LO 5	2	3	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
LO 7	2	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	67	1	67
Practical Course Hour	6	1	6
Preparation for the Theoretical Course	67	0.5	33.5
Preparation for the Practical Course	6	0.5	3
Preparation for the Committee Exam	1	20	20
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	10	10
Final Theoretical Exam	1	1	1
		Total Workload	142
		Total Workload / 30	142/30
		ECTS Credits	~5

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC100	Compulsory	BMS3	Cardiovascular and Respiratory Systems

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
46	3	4	

Aim of the Committee
Introducing the cardiovascular system and respiratory system at the tissue and organ level, explaining the properties and functions of the elements involved in these systems.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	name the basic anatomical structures of the respiratory and circulatory system.
LO 2		list the textural properties of the structures that make up the respiratory and circulatory systems.
LO 3		recognize blood cells and lists their functions.
LO 4		define the functioning mechanisms of respiratory and circulatory systems.

Committee Outline		
Department	**Subject Title**	**Hour**
Biochemistry	Water and water metabolism	2
	Blood proteins	2
Physiology	The functions and physical and chemical properties of blood	1
Histology and Embryology	Peripheral blood cells	2
Physiology	Erythrocyte function	1
	Leukocyte functions	2
	Functions of platelets and clotting	1
	Blood transfusion reactions	1
Histology and Embryology	Cardiovascular histology	2
Physiology	Physiological characteristics of the cardiac muscle	1
	Cardiac cycle and pressure-volume loop analysis	1
Biophysics	Cardiac action potential and ECG	1
Anatomy	Heart, pericardium	3
	Mediastinum and great vessels	1
Biophysics	Hemodynamic principles	2
Physiology	Hemodynamics and general principles of circulation	1
	Regulation of arterial blood pressure	1
	Shock	1
	Special circulation systems	1
Histology and Embryology	Primary lymphoid organs	1
	Secondary lymphoid organs	1
Anatomy	Lymphoid system	1
Histology and Embryology	Respiratory system	2
Physiology	Introduction to respiratory physiology, respiratory mechanics	2
Anatomy	Nasal cavity and sinus paranasal sinuses	2
	Pharynx	1
	Larynx	1
	Trachea, lungs and pleura	1
	Diaphragm	1
	Thoracic wall	1

Physiology	Gas exchange in the lungs, ventilation-perfusion relationships	1
	Respiratory cycle	1
	Regulation of respiration	1
Anatomy	Root of the neck	1
Biophysics	Perception and psychophysical laws	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
x	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Nelson DL, Cox MM. (2017) Lehninger Principles of Biochemistry. 7th ed. WH Freeman and Company
2	Rodwell VW, Bender D, Botham KM, Kennelly PJ, Weil PA. (2003). Harper's Illustrated Biochemistry. 31th ed. McGraw Hill LLC
3	Tellingen CV (2001). Biochemistry. Louis Bolk Instituut, Driebergen
4	Stanford Jr. Al (2013). Foundations of Biophysisc. Academic Press, New York
5	Guyton and Hall (2015). Textbook of Medical Physiology. 13 th ed. Elsevier
6	Chandar N, Viselli S (2010) Cell and Molecular Biology. Wollters Kluwer Health/Lippincott Williams & Wilkins. Baltimore, Philadelphia
7	Reece JB. (2011) Campbell biology. 9th ed. Pearson Education, San Francisco, CA
8	Brooker R. J.(2019) Concepts of genetics . 3rd ed. McGraw-Hill Education, New York
9	Drake R.L. (2018) Grays Anatomi Öğrenciler için. 3. baskı. Nobel Tıp Kitapevi
10	Waschke J. (2016) Sobotta Anatomi Konu Kitabı. Güneş Tıp Kitapevi

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
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
LO 1	2	3	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
LO 3	2	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
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	46	1	46
Practical Course Hour	3	1	3
Preparation for the Theoretical Course	46	0.5	23
Preparation for the Practical Course	3	0.5	1.5
Preparation for the Committee Exam	1	20	20
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	10	10
Final Theoretical Exam	1	1	1
		Total Workload	106
		Total Workload / 30	106/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC100	Compulsory	BMS4	Gastrointestinal System and Metabolism

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
57	6	4	

Aim of the Committee
Introducing the gastrointestinal system at the tissue and organ level, explaining the properties of the structures and organs involved in this system in terms of biochemical, physiological, histological and anatomical aspects, explaining digestion and absorption metabolism.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	recognize the organs and structures of the gastrointestinal system at macroscopic and microscopic level.
LO 2		list the functions of the gastrointestinal system.
LO 3		relate the components of the gastrointestinal tract to biochemical absorption mechanisms.
LO 4		explain the metabolism of basic organic compounds.

Committee Outline		
Department	**Subject Title**	**Hour**
Histology and Embryology	Pharyngeal complex, development of the head and neck	2
Physiology	Introduction to digestive physiology, mastication and deglutition	1
Histology and Embryology	Oral cavity, tongue and salivary gland histology	1
Anatomy	Oral cavity	2
Physiology	Gastrointestinal motility	1
Biochemistry	What is nutrition? Digestion, absorption, and transport of nutrients	1
	Introduction to vitamins	1
	Vitamins, water-soluble vitamins	2
	Vitamins, fat-soluble vitamins	2
	Bioenergetics	1
Physiology	Secretory functions of the gastrointestinal system	1
	Structures, contents and functions of the saliva	1
	Taste perception and sensory receptors	1
Anatomy	Esophagus and stomach	1
	Duedonum, jejunum, ileum	1
	Large intestine	1
	Liver and gall bladder	1
	Pancreas and spleen	1
Histology and Embryology	Esophagus and stomach histology	1
	Small and large intestine histology	1
	Liver and pancreas histology	2
Biochemistry	Digestion and absorption of carbohydrates	1
	Glycolysis and TCA cycle	1
	Glycogenesis and glycogenolysis	1
	Other ways of carbohydrate metabolism	3
Physiology	Gastrointestinal digestion	1
	Gastrointestinal absorption	1
Biochemistry	Digestion and absorbtion of the lipits	3
	Synthesis of fatty acids and beta oxidation	2
	Cholesterol metabolism	1
Anatomy	Portal System & Vessels & Nerves of GIS	2
	Peritoneum, Omentum Majus & Minus	1
Biochemistry	Disorders of the fat and cholestrol metabolism	2
	Ketone bodies and alcohol metabolism	1
	Digestion and absorption of proteins	1

	Biogenamins	1
Anatomy	Posterior abdominal wall & Great vessels	1
	Anterior abdominal wall & Inguinal canal	2
Biochemistry	Protein metabolism	2
	Amino acid metabolism	2
	Digestive hormones	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
x	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Nelson DL, Cox MM. (2017) Lehninger Principles of Biochemistry. 7th ed. WH Freeman and Company
2	Rodwell VW, Bender D, Botham KM, Kennelly PJ, Weil PA. (2003). Harper's Illustrated Biochemistry. 31th ed. McGraw Hill LLC
3	Tellingen CV (2001). Biochemistry. Louis Bolk Instituut, Driebergen
4	Stanford Jr. Al (2013). Foundations of Biophysisc. Academic Press, New York
5	Guyton and Hall (2015). Textbook of Medical Physiology. 13 th ed. Elsevier
6	Chandar N, Viselli S (2010) Cell and Molecular Biology. Wollters Kluwer Health/Lippincott Williams & Wilkins. Baltimore, Philadelphia
7	Reece JB. (2011) Campbell biology. 9th ed. Pearson Education, San Francisco, CA
8	Brooker R. J.(2019) Concepts of genetics . 3rd ed. McGraw-Hill Education, New York
9	Drake R.L. (2018) Grays Anatomi Öğrenciler için, 3. baskı. Nobel Tıp Kitapevi
10	Waschke J. (2016) Sobotta Anatomi Konu Kitabı. Güneş Tıp Kitapevi

Quantification and Consideration					
TRUE	Attendance	FALSE	Clinical Rotation	FALSE	Project
FALSE	Laboratory	FALSE	Homework	FALSE	Midterm exam
TRUE	Practical / Implementation	FALSE	Presentation	TRUE	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
LO 1	2	3	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
LO 3	3	3	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
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	57	1	57
Practical Course Hour	6	1	6
Preparation for the Theoretical Course	57	0.5	28.5
Preparation for the Practical Course	6	0.5	3
Preparation for 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	111.5
		Total Workload / 30	111.5/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTc100	Compulsory	BMS5	Urogenitale and Endocrine Systems

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
45	9	3	

Aim of the Committee
Biochemical, anatomical, physiological, and histological explanation of the functional mechanisms of the urogenitale system in general, the role of hormones and their place in body control.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	define the organs and structures of the urogenital and endocrine systems at macroscopic and microscopic level.
LO 2		list the functions of urogenital and endocrine systems.
LO 3		list the biochemical properties of fluid-electrolyte balance and acid-base balance.
LO 4		define the biochemical structures and physiological functions of endocrine system hormones.

Committee Outline		
Department	**Subject Title**	**Hour**
Histology and Embryology	Urinary system	2
Biochemistry	Urea synthesis and metabolism disorders	2
Physiology	Introduction to urinary system physiology and renal circulation	1
Anatomy	Kidneys, ureters	2
Physiology	Urinary concentration and excretion	1
	Reabsorption, secretion and clearance consept in renal tubules	1
	Acid-base balance	1
Anatomy	Bladder, urethra	1
	Pelvis, perineum	2
Histology and Embryology	The female genital system histology	2
Anatomy	Female genital system	2
Physiology	Physiology of the female genital system hormones	2
Histology and Embryology	The male genital system histology	2
Anatomy	Male genital system	2
Physiology	Physiology of the male genital system hormones	2
Histology and Embryology	Endocrine system	2
Anatomy	Thyroid, parathyroid glands, adrenal glands and thymus	1
Physiology	Hormones and mechanism of action	1
Biochemistry	Control of the metabolism and hormone biochemistry	1
Physiology	Phsiology of the pituitary and hypothalamus gland hormones	1
	Phsiology of the thyroid hormones	1
Biochemistry	Pituitary and hypothalamus hormones	2
	Thyroid hormones	2
Physiology	Regulation of calcium metabolism	1
	Physiology of the endocrine, pancreas	1
	Physiology of the adrenal gland hormones	1
Biochemistry	Sex hormones	2
	Calcium and phosphate biochemistry	2
	Hormones of the adrenal medulla and cortex	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work

x	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Nelson DL, Cox MM. (2017) Lehninger Principles of Biochemistry. 7th ed. WH Freeman and Company
2	Rodwell VW, Bender D, Botham KM, Kennelly PJ, Weil PA. (2003). Harper's Illustrated Biochemistry. 31th ed. McGraw Hill LLC
4	Tellingen CV (2001). Biochemistry. Louis Bolk Instituut, Driebergen
5	Stanford Jr. Al (2013). Foundations of Biophysisc. Academic Press, New York
6	Guyton and Hall (2015). Textbook of Medical Physiology. 13 th ed. Elsevier
7	Chandar N, Viselli S (2010) Cell and Molecular Biology. Wollters Kluwer Health/Lippincott Williams & Wilkins. Baltimore, Philadelphia .
8	Reece JB. (2011) Campbell biology. 9th ed. Pearson Education, San Francisco, CA.
9	Brooker R. J.(2019) Concepts of genetics . 3rd ed. McGraw-Hill Education, New York
10	Drake R.L. (2018) Grays Anatomi Öğrenciler için. 3. baskı. Nobel Tıp Kitapevi
11	Waschke J. (2016) Sobotta Anatomi Konu Kitabı. Güneş Tıp Kitapevi

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
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
LO 1	2	3	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
LO 3	2	3	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
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	45	1	45
Practical Course Hour	9	1	9
Preparation for the Theoretical Course	45	0.5	22.5
Preparation for the Practical Course	9	0.5	4.5
Preparation for 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	98
		Total Workload / 30	98/30
		ECTS Credits	~3

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Course Name
DPC100	Compulsory	Year 1 Practical Committee

Theoretical Course Hour	Practical Course Hour	ECTS	Lecturer
0	80	10	

Aim of the Course
Developing 3-dimensional thinking, cognitive and psychomotor skills of students by using different materials; examining of the crown-root morphology of permanent teeth and the relationships of teeth in dental arch; teaching the physical and chemical properties and manipulation of materials used in dental laboratory.

Learning Outcomes		
LO 1	*After the completion of this committee, students will be able to ...*	identify the teeth according to notation systems
LO 2		distinguish permanent teeth according to crown and root morphology
LO 3		carve a 3D model of permanent teeth by using different materials
LO 4		position the permanent teeth in dental arch and construct the contact relationships of teeth on model
LO 5		manipulate different dental materials considering their properties
LO 6		evaluate the performance of their peers with their teammates with the help of certain criteria given

Course Outline

Department	Subject Title	Hour
Prosthodontics	Manipulation of maxillary central and lateral	4
	Manipulation of mandibular central and lateral	4
	Manipulation of maxillary and mandibular canines	4
	Manipulation of maxillary premolars	4
	Manipulation of mandibular premolars	4
	Manipulation of maxillary first molar	8
	Manipulation of mandibular first molar	8
	Manipulation of maxillary and mandibular second molars	4
	Manipulation of anterior dental arch	4
	Manipulation of posterior dental arch	4
	Manipulation of dental plaster	4
	Manipulation of dental wax	4
	Manipulation of acrylic resin	8
	Manipulation of dental wire	4
	Quizzes	8
	Peer evaluation by using rubrics	4

Learning and Teaching Techniques of the Committee

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

Committee References

1	Nelson SJ. Wheeler's Dental Anatomy, Physiology and Occlusion, Elsevier, 10th Edition, 2015
2	Demonstration videos
3	Lecture notes

Quantification and Consideration

x	Attendance		Clinical Rotation	x	Peer Evaluation

x	Laboratory	x	Homework	x	Quiz
x	Practical / Implementation		Presentation	x	Final 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
LO 1	2	2	1	1	1	1	1	1	1	1	1	1	1
LO 2	2	2	1	1	1	1	1	1	1	1	1	1	1
LO 3	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 4	2	1	1	1	1	2	1	1	1	1	1	1	1
LO 5	2	1	1	3	1	1	1	1	1	1	1	1	1
LO 6	1	1	1	1	1	1	1	1	1	1	1	3	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course hours	20	4	80
Preparation for the course	20	2	40
Homework	20	8	160
Preparation for the Final Practical Exam	1	10	10
Final Practical Exam	1	3	3
		Total Workload	293
		Total Workload / 30	293/30
		ECTS Credits	~10

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
2022-2023 ACADEMIC YEAR COURSE CONTENTS

CODE	COURSE NAME	Pre.	C/E	T	P	ECTS
DTC200	**Year 2 Theoretical Committees**	**DTC100 DPC100**	C	**238**	**0**	**24**
	CS1 - Dental Tissue Diseases and Treatments - I			46	0	4
	CS2 - Fixed Prosthetic Restorations			32	0	3
	CS3 - Dental Tissue Diseases and Treatments - II			17	0	2
	CS3 - Dental Tissue Diseases and Treatments - III			19	0	2
	BMS1 - Basics of Diseases - I			40	24	4
	BMS2 - Central Nervous System			42	8	4
	BMS3 - Basics of Diseases - II			42	0	4
	Communication Skills in Dentistry			14	0	1
DPC200	**Year 2 Practical Committees**		C	**0**	**372**	**20**
	PC1 - Restorative Dentistry			0	120	6
	PC2 - Endodontics			0	120	7
	PC3 - Dentomaxillofacial Radiology			0	12	1
	PC4 - Prosthetic Dentistry			0	120	6
ELC***	Elective Course I	-	E	2*15	0	4
ELC***	Elective Course II	-	E	2*15	0	4
ELC***	Elective Course III	-	E	2*15	0	4
ELC***	Elective Course IV	-	E	1*15	0	2
Total				595	776	60

C: Compulsory – E: Elective – CE: Compulsory Elective– T: Theory– P: Practical –ECTS: European Credit Transfer System

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC200	Compulsory	CS1	Dental Tissue Diseases and Treatments - I

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
46	0	4	

Aim of the Committee
Teaching the clinical and radiological diagnosis of the destruction of the hard and soft tissues of the tooth from the initial stages of dental caries to advanced pulpal and periapical tissue diseases, explaining the mechanisms of caries and infection formation, introducing the methods for the removal of carious tissue.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to…*	define dynamic processes occurring at macroscopic, microscopic and molecular levels of dental caries in relation to its etiology and pathogenesis.
LO 2		detect carious tissue and diseased pulpal tissue, and separate them from healthy tissue.
LO 3		list the traditional cavity preparation principles and choose the method of removing the carious tissue.
LO 4		explain the clinical application methods of amalgam, relate amalgam-mercury toxicity.
LO 5		select the appropriate biomaterial for the case and explain the reason.
LO 6		select the appropriate vital pulp treatment method for the case and justifies the preference.
LO 7		classify pulpal and periapical tissue diseases, explain the dynamic processes that occur and their treatments.
LO 8		recognize the instruments used in endodontic treatments, list the principles of endodontic access cavity.
LO 9		explain the properties of X-rays by associating them with their effects on biological tissue, list the ways of protection from radiation.
LO 10		select the appropriate intraoral radiography technique for radiological examination, define the materials and equipment used.
LO 11		distinguish anatomical formations on intraoral radiographs; identify the artifacts that may occur.

Committee Outline		
Department	**Subject Title**	**Hour**
Restorative Dentistry	General principles of cavity preparation	1
	Preparation principles for black cavities	1
Endodontics	Endodontic hand tools	1
	Endodontic access cavities	1
Dentomaxillofacial Radiology	Formation and characteristics of x-rays	1
	Quality and quantity of x-rays	1
Restorative Dentistry	Theories for development of dental caries	1
	Microbial dental plaque and caries microbiology	1
Dentomaxillofacial Radiology	Radiation biology and measurement units	1
	Devices used in radiology	1
Restorative Dentistry	Formation of dental caries	1
	Morphology of dental caries	1
Dentomaxillofacial Radiology	Protection from radiation principle of ALARA	1
Restorative Dentistry	Types of caries	1
Biochemistry	Biochemistry of decay	1
Restorative Dentistry	Biochemistry of saliva	1
	Relation between saliva and caries	1
Pedodontics	Early childhood caries	2
Restorative Dentistry	Diagnosis of dental caries by traditional and modern techniques and devices	1

Restorative Dentistry	Caries removal by mechanical techniques	1
Dentomaxillofacial Radiology	Structure of film , film types, screens, dental films	1
Restorative Dentistry	Traditional and partial matrix systems	1
	Cavity disinfectants	1
Dentomaxillofacial Radiology	Introduction to periapical radiology and intraoral radiographic techniques	2
Endodontics	Endodontic diagnosis-Pulpal	2
Pedodontics	Glass ionomer and compomer restorations	1
Dentomaxillofacial Radiology	Caries radiology and diagnosis of caries by radiographs	2
Restorative Dentistry	Pulp-capping materials	1
	Direct and indirect pulp cappping	1
Dentomaxillofacial Radiology	Arrangement of dark room, radiographic quantity; detail, density, fog, contrast	1
Endodontics	Endodontic diagnosis-Periapical	2
Restorative Dentistry	Cavity liners and temporary filling materials	1
Dentomaxillofacial Radiology	Intraoral radiographic anatomy	2
Endodontics	Microbiology of pulpal and periapical diseases	1
Restorative Dentistry	Cavity varnishes	1
	Introduction to amalgam	1
	Clinical application methods for amalgam restorations	1
	Finishing, polishing and clinical failures of amalgam restorations	1
	Important effects of mercury at human body and nature/ removal of amalgam	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Committee References	
1	Berman LH, Hargreaves K (2021). Cohen's Pathways of the Pulp. 12 th Ed., Elsevier.
2	Chong BS, Özçelik B (2019). Harty Klinik Uygulamada Endodonti. 7. baskı. Elsevier-Güneş Tıp Kitabevi, Ankara.
3	Mallya S, Lam E (2018). White and Pharoah's Oral Radiology Principles and Interpretation. 8th ed., Elsevier.
4	MacDonald D (2020). Oral and maxillofacial radiology: A diagnostic approach. 2nd ed., Wiley.
5	Ritter AV, Boushell LW, Walter R (2017). Sturdevant's Art and Science of Operative Dentistry. 7th ed., Elsevier Health Sciences.
6	Fejerskov O, Nyvad B, Kidd E (2015). Dental caries: the disease and its clinical management. 3rd ed., John Wiley & Sons.
7	Garg N, Garg A (2020). Textbook of Operative Dentistry. 4th ed., Jaypee Brothers Mediacal Publishers.
8	Vasudevan DM , Doe J, Vaidyanathan K (2017). Textbook Of Biochemistry For Dental Students. 3rd ed., The Health Sciences Publisher, London.
9	Patekar VR, Mankar N, Burde K, Achanta A (2022). Choice of Matrix System in Dentistry. Journal of Research in Medical and Dental Science. 2022;10(11): 120-126
10	McDonald and Avery's (2016). Dentistry for the Child and Adolescent. 10th ed., Elsevier, Holland.
11	Welbury R, Duggal MS, Hosey MT (2018). Paediatric Dentistry. 5th ed. Oxford, England.
12	Torres CRG, Patil S, Batista GR. Amalgam Restorations. Modern Operative Dentistry: Principles for Clinical Practice, 2020;373-409.
14	Lecture notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	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

LO 1	2	2	3	1	1	2	1	1	1	1	1	1	1
LO 2	2	1	3	1	1	2	1	1	1	1	1	1	1
LO 3	1	1	1	2	1	3	1	1	1	1	1	1	1
LO 4	1	1	1	2	1	2	1	1	1	1	1	1	1
LO 5	1	1	1	4	1	1	1	1	1	1	1	1	1
LO 6	1	1	1	2	1	3	1	1	1	1	1	1	1
LO 7	2	2	3	1	1	3	1	1	1	1	1	1	1
LO 8	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 9	1	3	1	1	1	1	1	3	1	1	1	1	1
LO 10	1	1	1	3	1	2	1	1	1	1	1	1	1
LO 11	2	2	2	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical course hour	46	1	46
Preparation for the course	46	0.5	23
Preparation for the committee exam	1	24	24
Committee exam	1	1	1
Preparation for the final theoretical exam	1	12	12
Final theoretical exam	1	1	1
		Total Workload	107
		Total Workload / 30	107/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC200	Compulsory	CS2	Fixed Prosthetic Restorations

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
31	0	3	

Aim of the Committee
Introducing the different types and application areas of fixed prosthetic restorations, teaching all clinical and laboratory stages starting from planning, and explaining the properties of different restorative materials.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to…*	define the types of crowns and lists their indications.
LO 2		explain the principles of tooth preparation.
LO 3		determine the need for fixed prosthetic restoration, select a support tooth, and discuss the reason for its selection.
LO 4		distinguish the structural elements of fixed prosthetic restorations, compare different designs in terms of biomechanics.
LO 5		define the clinical and laboratory stages of fixed prosthetic restorations.
LO 6		relate impression materials and impression techniques in fixed prosthetic restorations with the case.
LO 7		make the selection of the restorative material and cement suitable for the case in fixed restorations and explain the reason for the selection.

Committee Outline		
Department	**Subject Title**	**Hour**
Prosthetic Dentistry	Introduction to fixed prosthetic restorations, indications of crowns and bridges, crown types	1
	Principles of tooth preparation	1
	Evaluation of abutment teeth in fixed prostheses	1
	Biomechanical considerations of fixed prosthodontics	1
	Introduction of bridge types and structural elements	1
	Pontic design and interrelationship between pontic and mucosa	1
	Impression materials in fixed prostheses	2
	Laminate veneer preparation techniques	1
	Inlay-onlay-endocrown preparation techniques	1
	Retraction	1
	Impression techniques in fixed prostheses	1
	Communication with dental laboratory and infection	1
	Occlusal 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	3
	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	2
	Relationship between fixed prosthesis and periodontal tissue	1
	Debonding of Fixed Restorations	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Committee References	
1	Rosenstiel SF, Land MF, Walter R. (2022) Contemporary Fixed Prosthodontics. 6th ed. Mosby.
2	Shillingburg HT, Sather DA, Wilson EL, Cain JR, Mitchell DL, Blanco LJ, Kessler JC. (2012) Fundamentals of fixed prosthodontics. 4th ed. Quintessence Pub Co., Chicago.
3	Sakaguchi RL, Powers JM (2019). Craig's Restorative Dental Materials. 14. baskı. Elsevier Mosby, St. Louis.
4	Anusavice KJ, Shen C, Rawls HR (2021). Phillips' Science of Dental Materials. 13. baskı. St. Louis: Elsevier Inc.
5	Blatz MB, Conejo J. The Current State of Chairside Digital Dentistry and Materials. Dental Clinics of North America. 2019; 63(2): 175-197.
6	Denry IL, Kelly JR. State of the art of zirconia for dental applications. Dental Materials, 2008;24(3):299-307.
7	Stawarczyk B, Keul C, Eichberger M, Figge D, Edelhoff D, Lümkemann N. Three generations of zirconia: From veneered to monolithic. Part I. Quintessence Int. 2017;48(5):369-380.
8	Lecture notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	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
LO 1	2	1	1	1	1	2	1	1	1	1	1	1	1
LO 2	2	2	1	1	1	1	1	1	1	1	1	1	1
LO 3	1	3	1	1	1	3	1	1	1	1	1	1	1
LO 4	2	3	1	1	1	1	1	1	1	1	1	1	1
LO 5	2	1	1	2	1	1	1	2	2	1	1	1	1
LO 6	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 7	2	1	1	4	1	2	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical course hour	31	1	31
Preparation for the course	31	0.5	15.5
Preparation for the committee exam	1	18	18
Committee exam	1	1	1
Preparation for the final theoretical exam	1	9	9
Final theoretical exam	1	1	1
		Total Workload	75.5
		Total Workload / 30	75.5/30

ECTS Credits	~3

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC200	Compulsory	CS3	Dental Tissue Diseases and Treatments - II

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
18	0	2	

Aim of the Committee
Expressing the preparation stages of root canals in endodontic treatments for the treatment of pulpal and periapical pathologies, teaching root canal filling techniques and canal filling materials, explaining preventive dentistry practices for all age groups in relation to dental caries epidemiology.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to…*	associate effective isolation with the success of restorative and endodontic applications.
LO 2		explain the clinical stages from root canal preparation to canal filling.
LO 3		associate root canal disinfection with endodontic success.
LO 4		select and justify the appropriate technique for root canal filling.
LO 5		deduce the distribution of caries in the society, their incidence and the markers that affect them.
LO 6		determine the protective practices for the person by making a caries risk assessment for different age groups.

Committee Outline		
Department	**Subject Title**	**Hour**
Restorative Dentistry	Epidemiology of dental caries	2
	Dental indices	1
	Dental caries risk, caries activity tests	1
Pedodontics	Prevention strategies for dental caries at children	5
Restorative Dentistry	Prevention strategies for dental caries at adults	2
Endodontics	Isolation and use of rubberdam	1
	Preparation of root canals	1
	Irrigation and smear layer	2
	Techniques and materials used for root canal filling	2
	Disinfection of root canal system	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Committee References	
1	Chong BS (2019). Harty Klinik Uygulamada Endodonti, Çeviri editörü: Özçelik B. 7. baskı Elsevier. Güneş Tıp Kitabevi, Ankara.
2	Torabinajad M, Fouad AF, Shabahang S (2021). Endodontics Principles and Practise. 6th ed., Elsevier.
3	Berman LH, Hargreaves K (2021). Cohen's Pathways of the Pulp 12th ed., Elsevier.
4	Dean JA (2016). McDonaldMcDonald and Avery's Dentistry for the Child and Adolescent. 10th ed., Elsevier, Holland.
5	Welbury R, Duggal MS, Hosey MT (2018). Paediatric Dentistry. 5th ed. Oxford, England.
6	Ritter AV, Boushell LW, Walter R (2017). Sturdevant's Art and Science of Operative Dentistry. 7th ed., Elsevier Health Sciences.
7	Lecture notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	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
LO 1	2	1	1	2	1	2	1	1	1	1	1	1	1
LO 2	2	2	1	2	1	3	1	1	1	1	1	1	1
LO 3	2	1	1	2	1	2	1	1	1	1	1	1	1
LO 4	2	2	1	2	1	3	1	1	1	1	1	1	1
LO 5	2	2	2	1	1	2	4	1	1	1	1	1	1
LO 6	2	2	2	1	1	2	4	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical course hour	18	1	18
Preparation for the course	18	0.5	9
Preparation for the committee exam	12	1	12
Committee exam	1	1	1
Preparation for the final theoretical exam	6	1	6
Final theoretical exam	1	1	1
		Total Workload	47
		Total Workload / 30	47/30
		ECTS Credits	~2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC200	Compulsory	CS4	Dental Tissue Diseases and Treatments - III

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
19	0	2	

Aim of the Committee
Explaining gingival and periodontal diseases, teaching the environmental and systemic factors that cause these diseases, explaining periodontal diseases from the perspectives of epidemiology - microbiology - pathogenesis.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to…*	explain the structure and functions of the periodontium.
LO 2		define the predisposing factors that lead to destruction of dental plaque, calculus and periodontium and associate them with periodontal disease.
LO 3		classify periodontal diseases, define staging and grading criteria.
LO 4		list the indexes used in periodontology, explain the indexes that determine gingivitis.
LO 5		recognize gingival and periodontal diseases and list their signs and symptoms.
LO 6		recognize hyperplastic gingiva and classify it according to its origin.

Committee Outline		
Department	**Subject Title**	**Hour**
Periodontology	Introduction to periodontology and function of periodontium	1
	Periodontal pathogenesis	2
	Periodontal microbiology and dental plaque	2
	Effect of calculus and other predisposing factors	1
Biochemistry	Biochemistry of plaque	2
Periodontology	Classification of periodontal diseases and conditions affecting the periodontium and epidemiology of periodontal diseases	2
	Clinical features of gingivitis and acute gingival diseases	2
	Periodontal pocket	1
	Periodontitis	2
	Gingival diseases in children	1
	Desquamative gingivitis	1
	Gingival hyperplasia	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Committee References	
1	Newman M, Takei H, Klokkevold P, Carranza F (2019). Clinical Periodontology, 13th ed., Elsevier.
2	Caton JG, Armitage G, Berglundh T, Chapple IL, Jepsen S, Kornman KS, Mealey BL, Papapanou PN, Sanz M, Tonetti MS. A new classification scheme for periodontal and peri-implant diseases and conditions–Introduction and key changes from the 1999 classification. Journal of Periodontology, 2018;89:S1-8.
3	Vasudevan DM, Doe J, Kannan V (2017). Textbook Of Biochemistry For Dental Students. 3rd ed., The Health Sciences Publisher London.
4	Lecture notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	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
LO 1	2	3	2	1	1	1	1	1	1	1	1	1	1
LO 2	2	2	3	1	1	1	1	1	1	1	1	1	1
LO 3	2	2	2	1	1	1	1	1	1	1	1	1	1
LO 4	2	2	2	1	1	1	1	1	1	1	1	1	1
LO 5	2	2	2	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
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical course hour	19	1	19
Preparation for the course	19	0.5	9.5
Preparation for the committee exam	12	1	12
Committee exam	1	1	1
Preparation for the final theoretical exam	6	1	6
Final theoretical exam	1	1	1
		Total Workload	48.5
		Total Workload / 30	48.5/30
		ECTS Credits	~2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC200	Compulsory	BMS1	Basics of Diseases - I

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
40	24	5	

Aim of the Committee
Teaching the basic structures of microorganisms such as viruses, bacteria, parasites, and fungi, which are the basis of diseases, conveying the response of the immune system against pathogenic organisms and explaining infectious diseases that are important in dentistry.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to…*	define the structure, general characteristics, host relationships, and reproduction mechanisms of microorganisms; discuss the importance of these microorganisms in dentistry.
LO 2		apply sterilization, disinfection, and antisepsis techniques in the correct order.
LO 3		list antibiotics and their mechanism of action.
LO 4		list infection and infectious agents that pose occupational risks.
LO 5		relate resistance mechanisms of microorganisms to treatment protocols.
LO 6		list the working principles of the immune system, relate vaccines and serums to immunization.
LO 7		list laboratory methods, treatment alternatives and prevention methods used in the identification of infections that may occur in and around the mouth.

Committee Outline

Department	Subject Title	Hour
Microbiology	Bacteria cell structure	2
	Bacterial replication and growth	1
	Bacterial metabolism	2
	Bacterial genetics	2
	Host-pathogen interactions and flora	2
	Bacteria ımportant for dentistry	2
	Sterilization, disinfection, antisepsis and applications	2
	Antibiotics: Mechanisms of action and resistance	2
	Classification and general properties of viruses	2
	Viruses important for dentistry	2
	Fungal cell structure and classification	2
	Fungi important for dentistry	2
	Parasitic cell structure and classification	2
	Parasites important for dentistry	2
	Natural-acquired immunity	1
	Antigens: Antigen processing and presentation	2
	Complement systems and cytokines	1
	Immune response to microorganisms	1
	Active and passive ımmunization / vaccines and sera	1
	Adherence in oral bacteria	1
	Microbiology of decay	1
	Periodontal infections	1
	Microbiology of pulpitis	1
	Other infections in the mouth	1

	Cross infections in dentistry	1
	Important infections in dentistry	1
	Practical lesson 1: Rules to be followed in the laboratory	4
	Practical lesson 2: Growing bacteria	4
	Practical lesson 3: Examination of gram positive and gram negative bacteria	4
	Practical lesson 4: Normal microbial flora - session 1	2
	Practical lesson 5: Normal microbial flora - session 2	2
	Practical lesson 6: Antibiotic susceptibility tests	2
	Practical lesson 7: Study of fungi and parasites	4
	Practical lesson 8: Serological tests	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Committee References	
1	Murray PR, Rosenthal KS, Pfaller MA (2020). Medical Microbiology Text Book 9th ed., Elsevier.
2	Marsh P, Lewis M, Rogers H, Williams D (2016). Oral Microbiology 6th ed., Elsevier.
3	Lecture notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
x	Laboratory		Homework		Midterm exam
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
LO 1	2	2	3	1	1	1	1	1	1	1	1	1	1
LO 2	2	1	1	1	1	1	1	4	1	1	1	1	1
LO 3	1	2	4	1	1	1	1	1	1	1	1	1	1
LO 4	2	1	1	2	1	1	1	4	1	1	1	1	1
LO 5	1	2	3	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
LO 7	2	1	4	2	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical course hour	40	1	40
Practical course hour	24	1	24
Preparation to theoretical course	40	0.5	20
Preparation to the practical course	24	0.5	12
Preparation for the committee exam	1	30	30
Committee exam	1	1	1
Preparation for the final theoretical exam	1	15	15
Final theoretical exam	1	1	1
		Total Workload	143

Total Workload / 30	143/30
ECTS Credits	~5

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC200	Compulsory	BMS2	Central Nervous System

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
42	8	4	

Aim of the Committee

Examining the general structure, concepts, and functions of the central nervous system from the histological and anatomical aspects, explaining the functions of the system in detail by considering the physiological structure.

Learning Outcomes

LO 1	*After the completion of this committee, student will be able to…*	Recognize the morphological structures of the central and peripheral nervous systems, determine their functions.
LO 2		Explain the steps of signaling starting from the receptor.
LO 3		Relate the functioning of synaptic transmission to the musculoskeletal system.
LO 4		Define the relationship between the control centers of the nervous system and sensory perception.

Committee Outline

Department	Subject Title	Hour
Histology	Central nervous system	2
Anatomy	Introduction to the central nervous system and classification	1
	Spinal cord morphology	1
	Tracts of the spinal cord	1
	Brainstem (bulbus, pons and mesenphelon)	2
	Introduction to cranial nerves, and CN I, III, IV, VI	1
	Cranial nerve V	2
	Cranial nerve VII	2
	Cranial nerves II, VIII, IX, XI	1
Histology	Peripheral nervous system and receptors	2
Physiology	Sensory receptors	1
	Somatic senses	2
Anatomy	Cranial nerve X, XII	1
	Autonomic nervous system	2
	Cerebellum	1
	Hypothalamus, hypophysis	1
	Thalamus	1
	Epithalamus, subthalamus, basal nuclei	1
	Brain hemispheres and medullary substance	2
Physiology	Special senses	2
Anatomy	Limbic system	1
	Meninges sinuses ventricular system	1
Physiology	Cerebral cortex	1
Anatomy	Vasculature of CNS	1
	Orbita, its contents and visual pathways	2
Physiology	Control of posture movement	2
	Limbic system and hypothalamus	1
	Functions of the cranial nerves	2

Anatomy	Ear and auditory pathways	2
	Practical Lesson 1: Anatomy	4
	Practical Lesson 2: Anatomy	4

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Committee References	
1	Splittgerber R (2019). Snell's Clinical Neuroanatomy 8th Ed., Lippincott Williams & Wilkins.
2	Gray, Henry (2013). Grays Anatomy. London, England: Arcturus Publishing.
3	Lecture notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
x	Laboratory		Homework		Midterm exam
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
LO 1	2	3	1	1	1	1	1	1	1	1	1	1	1
LO 2	1	2	1	1	1	1	1	1	1	1	1	1	1
LO 3	1	2	1	1	1	1	1	1	1	1	1	1	1
LO 4	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical course hour	42	1	42
Practical course hour	8	1	8
Preparation to theoretical course	42	0.5	21
Preparation to the practical course	8	0.5	4
Preparation for the committee exam	1	25	25
Committee exam	1	1	1
Preparation for the final theoretical exam	1	13	13
Final theoretical exam	1	1	1
		Total Workload	115
		Total Workload / 30	115/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC200	Compulsory	BMS3	Basics of Diseases - II

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
42	0	4	

Aim of the Committee
Explaining the pathological and genetic formation mechanisms of diseases, teaching to recognize and pharmacological treatment these diseases.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to…*	define the disease state and explain the genetics and pathology of the development mechanisms of diseases.
LO 2		list the repair and healing mechanisms in diseases.
LO 3		list the appropriate sample submission process steps.
LO 4		define the drug, determine the drug forms and administration routes.
LO 5		distinguish the effects of drugs on the human body and explain their actions.
LO 6		define dose, concentration and effect relationships of drugs in biological fluids.
LO 7		relate the effects of drugs used in the treatment of different system diseases with dentistry.
LO 8		use the pharmacological properties of drugs that are actively used in dentistry in the treatment processes, prepare prescriptions.

Committee Outline

Department	Subject Title	Hour
Pathology	Introduction to pathology	1
	Routine practice in laboratory	1
Medical Biology and Genetics	Repair mechanism of DNA	2
Pathology	Cell injury	1
	Cell adaptations	1
Pharmacology	Introduction to pharmacology and general concepts	2
	Pharmacokinetic, pharmacodynamic rules	1
	Factors that change drug effect, drug toxicity, parts of prescription	1
Medical Biology and Genetics	Mechanisms of cell apoptosis	2
Pathology	Cellular aging and intracellular accumulations	1
	Acute, chronic inflammation	2
	Tissue renewal and repair: Regeneration, healing and fibrosis	1
	Hemodynamic disorders, thromboembolic diseases and shock	2
Pharmacology	Introduction to chemotherapeutic drugs, antibacterial drugs	2
	Antiviral, antifungal drugs and antibiotic use in dentistry	2
	Histamine, antihistamine drugs, serotonergic drugs	1
	Prostaglandins, angiotensins	1
	Drugs acting on the autonomic nervous system	2
	Sedative hypnotics, anesthetic drugs	1
Pathology	Neoplasia	2
	Leukemia and lymphomas	1
Pharmacology	Antihypertansives, antianginal drugs, drugs used to treat heart failure, anticoagulants, drugs used to treat hyperlipidemia, peripheral vasodilators	2
	Pain and drugs used in the treatment of pain	1

	Respiratory system drugs, bronchodilators and antitussive drugs	1
Pathology	Endocrine system diseases	2
	Immune system diseases	2
Pharmacology	Drugs used in gastrointestinal system diseases	1
	Drugs used in endocrine system diseases, antidiabetic drugs, drugs used in thyroid disorders	1
	Corticosteroids, drugs used in bone and joint diseases, sex hormones	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Committee References	
1	Robins & Cotran (2021). Pathologic Basis of Disease, 10th Ed., Elsevier, Philadelphia.
2	Katzung BG (2012). Basic & Clinical Pharmacology, 10th Ed., Appleton & Lange, San Francisco.
3	Lecture notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	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
LO 1	2	2	3	1	1	1	1	1	1	1	1	1	1
LO 2	2	2	2	1	1	1	1	1	1	1	1	1	1
LO 3	2	1	1	1	1	2	1	2	1	2	1	1	1
LO 4	1	1	4	1	1	1	1	1	1	1	1	1	1
LO 5	2	1	5	1	1	1	1	1	1	1	1	1	1
LO 6	2	2	3	1	1	1	1	1	1	1	1	1	1
LO 7	2	1	5	1	1	1	1	1	1	1	1	1	1
LO 8	2	1	5	1	1	1	1	2	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical course hour	42	1	42
Preparation to theoretical course	42	0.5	21
Preparation for the committee exam	1	26	26
Committee exam	1	1	1
Preparation for the final theoretical exam	1	14	14
Final theoretical exam	1	1	1
		Total Workload	105
		Total Workload / 30	105/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC200	Compulsory	CS	Communication Skills in Dentistry

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
14	0	1	

Aim of the Committee
Teaching the communication and risk management skills and providing opportunities for the students to apply these skills while communicating with patients and healthcare professionals in their future careers.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to…*	define the concept and characteristics of communication.
LO 2		use knowledge of barriers and gateways of communication in order to enhance communication.
LO 3		use knowledge of listening and speaking skills in order to enhance communication.
LO 4		use general principles of communication for handling complaints and solving problems in dentistry.
LO 5		use knowledge of communication difficulties in order to enhance communication in dentistry.
LO 6		use knowledge of breaking bad news in order to enhance communication in dentistry.
LO 7		use knowledge of risk management in order to enhance communication in dentistry.

Committee Outline		
Subject Title		**Hour**
Communication in General	Introduction: Definition of communication	1
	Characteristics of communication	1
	Types of communication: Verbal and non-verbal	1
	Barriers and gateways to communication	1
	Listening & Speaking	2
Communication in Dentistry	Introduction	1
	Basic communication skills	1
	General principles for handling complaints and solving problems	1
	Communicating in special dental situations	1
	Communication difficulties	1
	Breaking bad news	1
	Risk management	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment	x	Project Design / Management
x	Discussion	x	Practice / Implementation	x	Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation	x	Problem / Problem Solving	x	Brainstorming

Committee References	
1	Freeman R, Humphris G (2005). Communicating in Dental Practice Stress-Free Dentistry and Improved Patient Care.London: Quintessence Publishin Co. Ltd.
2	Aleksandrova V, Stoykova M, Musurlieva N. (2016). Communication skills in the dental practice: A Review. Stomatology Edu Journal. 3 (1-2):63-67.
3	Mantha S, Sivaramakrishna (2016). Handbook on Communication Skills. For Public Managers: Center for Good Governance.

Quantification and Consideration					
x	Attendance	x	Quiz	x	Project
	Laboratory	x	Homework		Midterm exam
x	Practical / Implementation	x	Presentation		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
LO 1	2	1	1	1	1	1	1	1	5	1	1	2	1
LO 2	2	1	1	1	1	1	1	1	5	1	1	2	1
LO 3	2	1	1	1	1	1	1	1	5	1	1	2	1
LO 4	2	1	1	1	1	1	1	1	5	1	1	2	1
LO 5	2	1	1	1	1	1	1	1	5	1	1	2	1
LO 6	2	1	1	1	1	1	1	1	5	1	1	2	1
LO 7	2	1	1	1	1	1	1	1	5	1	1	2	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical course	14	1	14
Preparation for the theoretical course	14	0.5	7
Preparation for the project	2	5	10
Project presentation	1	5	5
		Total Workload	36
		Total Workload / 30	36/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DPC200	Compulsory	PC1	Restorative Dentistry

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
0	120	6	

Aim of the Committee
Teaching the general principles of cavity preparation, which is the first step of restorative procedures; performing Black cavity preparations determined according to different morphological features of posterior teeth; implementing the traditional and partial matrix systems; teaching the application and adaptation of base materials to the cavity.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to…*	apply the general principles of cavity preparation on phantom teeth.
LO 2		prepare Black I, Black II and Black V cavities in posterior phantom teeth.
LO 3		place the conventional and partial matrix appliance around the phantom tooth to be prepared.
LO 4		manipulate different types of base materials according to their properties and apply them to the cavity floor.

Committee Outline		
Department	**Subject Title**	**Hour**
Restorative Dentistry	Discussion of general principles of cavity preparation and consolidation of knowledge on demonstration	8
	Black I cavity preparation in maxillary and mandibular premolars	8
	Black I cavity preparation in maxillary and mandibular molars	8
	Black V cavity preparation	8
	Discussion and application of traditional and partitioned matrix systems	8
	Black II (2-aspect) cavity preparation in maxillary and mandibular premolars	16
	Black II (2-aspect) cavity preparation in maxillary and mandibular molars	16
	Black II (3-aspect) cavity preparation in maxillary and mandibular premolars	16
	Black II (3-aspect) cavity preparation in maxillary and mandibular molars	16
	Zinc phosphate cement base applications	8
	Glass ionomer cement base applications	8

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study	x	Team / Group Work
x	Observation		Problem / Problem Solving	x	Brainstorming

Committee References	
1	Ritter AV, Boushell LW, Walter R (2017). Sturdevant's Art and Science of Operative Dentistry. 7th ed, Elsevier Health Sciences.
2	Garg N, Garg A. (2015). Textbook of Operative Dentistry. 3rd ed. Jaypee Brothers Medical Publishers Ltd, India.
3	Demonstration videos

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project

x	Laboratory	x	Homework	x	Quiz
x	Practical / Implementation		Presentation	x	Final 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
LO 1	3	1	1	2	1	1	1	1	1	1	1	1	1
LO 2	2	1	1	3	1	1	1	1	1	1	1	1	1
LO 3	2	1	1	3	1	1	1	1	1	1	1	1	1
LO 4	3	1	1	3	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course time	15	8	120
Preparation to the Practical Course	15	1	15
Assignment	15	2	30
Preparation to the Final Practical Exam	1	10	10
Final Practical Exam	1	3	3
		Total Workload	178
		Total Workload / 30	178 / 30
		ECTS Credits	~6

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DPC200	Compulsory	PC2	Endodontics

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
0	120	7	

Aim of the Committee
Introducing hand tools and materials used in endodontic treatment; demonstrating the general principles of access cavity preparation, which is the first step of root canal treatment procedures; applying the endodontic access cavity preparation in maxillary and mandibular teeth.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to…*	recognize hand tools and materials for endodontic treatment and use them appropriately.
LO 2		apply the general principles of access cavity preparation on natural teeth.
LO 3		prepare access cavity in maxillary and mandibular natural teeth.

Committee Outline		
Department	**Subject Title**	**Hour**
Endodontics	Hand tools and materials used in endodontic treatment	8
	Discussion and demonstration of the general principles of access cavity in endodontics	8
	Endodontic access cavity preparation in maxillary incisors	12
	Endodontic access cavity preparation in mandibular incisors	12
	Endodontic access cavity preparation in maxillary canines	12
	Endodontic access cavity preparation in mandibular canines	12
	Endodontic access cavity preparation in maxillary premolars	12
	Endodontic access cavity preparation in mandibular premolars	12
	Endodontic access cavity preparation in maxillary molars	16
	Endodontic access cavity preparation in mandibular molars	16

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study	x	Team / Group Work
x	Observation		Problem / Problem Solving	x	Brainstorming

Committee References	
1	Berman LH, Hargreaves KM. (2020). Cohen's Pathways of the Pulp Expert Consult. 12th ed. Elsevier, Canada.
2	Demonstration videos

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
x	Laboratory	x	Homework	x	Quiz
x	Practical / Implementation		Presentation	x	Final 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

LO 1	3	2	1	3	1	1	1	1	1	1	1	1	1
LO 2	3	2	1	3	1	1	1	1	1	1	1	1	1
LO 3	3	2	1	3	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course time	30	4	120
Preparation to the Practical Course	30	1	30
Assignment	30	2	60
Preparation to the Final Practical Exam	1	10	10
Final Practical Exam	1	3	3
		Total Workload	223
		Total Workload / 30	223 / 30
		ECTS Credits	~7

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DPC200	Compulsory	PC3	Dentomaxillofacial Radiology

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
0	12	1	

Aim of the Committee
Teaching the parts of radiography devices in dentistry and use of intraoral dental films; demonstrating the ways of protection from radiation; demonstrating and applying the obtainment of radiographic images from different regions with the bisecting angle technique.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to…*	distinguish the parts of intraoral x-ray devices and define the usage features.
LO 2		obtain radiographic images from different parts of the maxilla and mandible by using the bisecting angle technique.
LO 3		apply the principles of radiation protection while obtaining radiographic images.

Committee Outline		
Department	**Subject Title**	**Hour**
Dentomaxillofacial Radiology	Application of bisecting angle technique in the anterior region of maxilla	3
	Application of bisecting angle technique in the molar region of maxilla	3
	Application of the bisecting angle technique in the canine region of the mandible	3
	Application of the bisecting angle technique in the premolar region of the mandible	3

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
x	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Mallya SM, Lam EWN (2019). White and Pharoah's Oral Radiology. 8th ed. Elsevier, Missouri.
2	Course materials

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
x	Laboratory	x	Homework		Quiz
x	Practical / Implementation		Presentation	x	Final 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
LO 1	1	1	1	4	1	1	1	1	1	1	1	1	1
LO 2	2	1	1	3	1	1	1	1	1	1	1	1	1
LO 3	2	1	1	1	1	1	1	4	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course time	12	1	12
Preparation to the Practical Course	12	0.5	6
Assignment	1	1	1
Preparation to the Final Practical Exam	1	5	5
Final Practical Exam	1	1	1
		Total Workload	25
		Total Workload / 30	25 / 30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DPC200	Compulsory	PC4	Prosthodontics

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
0	120	6	

Aim of the Committee
Demonstrating and applying tooth preparation methods for different restoration options on maxillary and mandibular phantom teeth, the impression stages, the plaster model obtainment method, temporary restoration and infrastructure fabrication stages.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to…*	apply the general principles of tooth preparation on phantom teeth.
LO 2		prepare teeth for full crown indication on maxillary and mandibular phantom teeth.
LO 3		apply the preparation principles for different partial restoration options on maxillary and mandibular phantom teeth.
LO 4		obtain the impression of the prepared area and produce a plaster model.
LO 5		produce temporary restoration on the model.
LO 6		make wax infrastructure design for full crown and bridge indication on the model.
LO 7		evaluate the performance of his/her peers with the help of certain criteria given with his/her teammates.

Committee Outline		
Department	**Subject Title**	**Hour**
Prosthetic Dentistry	General principles of tooth preparation, introduction of materials and equipment	8
	Maxillary central tooth preparation	8
	Maxillary canine tooth preparation	8
	Maxillary premolar tooth preparation	8
	Maxillary first molar tooth preparation	8
	Laminate veneer preparation in maxillary anterior teeth	8
	Inlay, onlay and endocrown preparation	8
	Maxillary central - canine bridge preparation and impression	8
	Maxillary 1st premolar - 1st molar bridge preparation	8
	Maxillary central - canine temporary restoration fabrication	8
	Mandibular 1st premolar - 1st molar bridge preparation and impression	8
	Infrastructure design for mandibular 1st premolar - 1st molar bridge	8
	Quiz 1	8
	Quiz 2	8
	Quiz 3	8

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study	x	Team / Group Work
x	Observation		Problem / Problem Solving	x	Brainstorming

Committee References	
1	Shillingburg HT, Sather DA, Wilson EL, Cain JR, Mitchell DL, Blanco LJ, Kessler JC. (2012). Fundamentals of Fixed Prosthodontics. 4th ed. Quintessence Publishing Co.

2	Rosenstiel SF, Land MF, Walter R (2022). Contemporary Fixed Prosthodontics. 6th ed., Mosby.
3	Lecture notes
4	Demonstration videos

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
x	Laboratory	x	Homework	x	Quiz
x	Practical / Implementation		Presentation	x	Final 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
LO 1	3	2	1	2	1	1	1	1	1	1	1	1	1
LO 2	3	2	1	2	1	1	1	1	1	1	1	1	1
LO 3	2	2	1	2	1	1	1	1	1	1	1	1	1
LO 4	3	1	1	3	1	1	1	1	1	1	1	1	1
LO 5	3	1	1	3	1	1	1	1	1	1	1	1	1
LO 6	2	2	1	3	1	1	1	1	1	1	1	1	1
LO 7	1	1	1	1	1	1	1	1	1	1	1	3	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course time	15	8	120
Preparation to the Practical Course	15	1	15
Assignment	15	2	30
Preparation to the Final Practical Exam	1	10	10
Final Practical Exam	1	3	3
		Total Workload	178
		Total Workload / 30	178 / 30
		ECTS Credits	~6

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
2022-2023 ACADEMIC YEAR COURSE CONTENTS

CODE	COURSE NAME	Pre.	C/E	T	P	ECTS
DTC300	**Year 3 Theoretical Committees**	DTC200 DPC200	C	**198**	**0**	**18**
	CS1 - Examination			30	0	4
	CS2 - Removable Prosthesis			36	0	4
	CS3 - Periodontal Treatment			23	0	2
	CS4 - Dental Tissue Diseases and Treatments IV			18	0	1
	CS5 - Local Anesthesia			14	0	1
	CS6 - Dental Tissue Diseases and Treatments - V			23	0	2
	CS7 - Systemic Diseases			23	0	2
	CS8 - Orthodontic Approaches			18	0	1
	CS9 - Oral and Maxillofacial Surgery			13	0	1
DPC300	**Year 3 Practical Committees**		C	**0**	**484**	**34**
	PC1 - Restorative Dentistry			0	112	8
	PC2 - Prosthetic Dentistry			0	112	8
	PC3 - Endodontics			0	108	8
	SPC1 - Restorative Dentistry Simulation			0	44	2
	SPC2 - Prosthetic Dentistry Simulation			0	32	**2**
	SPC3 - Orthodontics Simulation			0	4	1
	SPC4 - Anesthesia			0	12	1
	SPC5 - Periodontology Simulation			0	4	1
	SPC6 - Pedodontics Simulation			0	56	3
ELC***	Elective Course I	-	E	2*15	0	4
ELC***	Elective Course II	-	E	2*15	0	4
Total				258	488	60

C: Compulsory – E: Elective – CE: Compulsory Elective– T: Theory– P: Practical –ECTS: European Credit Transfer System

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC300	Compulsory	CS1	Examination

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
30	0	4	

Aim of the Committee

Explaining the systemic diseases that are symptomatic in the maxillofacial region and/or affecting the treatment planning in adult patients and teaching the diagnosis and treatment planning steps by explaining the appropriate dentist approach, explaining the tooth eruption processes and anomalies in pediatric patients, and teaching the approach to the pediatric patient.

Learning Outcomes		
LO 1	*After the completion of this committee, students will be able to ...*	explain the relationship between systemic diseases and lesions in the mouth according to medical and dental anamnesis.
LO 2		associate systemic diseases with dental treatment protocols.
LO 3		select the examination technique to be used according to the region to be examined, explain the findings that can be obtained.
LO 4		choose extraoral radiography techniques, which are frequently used in the head and neck region, according to the case.
LO 5		classify odontogenic pain types, associate them with clinical and radiographic examination findings, and determine treatment planning according to their urgency.
LO 6		classify digital imaging methods, list the causes of errors in radiographs.
LO 7		list behavioral guidance techniques in children.
LO 8		define the eruption process of primary and permanent teeth.
LO 9		list the examination methods and radiography techniques used in pediatric patients.
LO 10		list dental anomaly types, associate anomaly types with radiographic findings.

Committee Outline

Department	Subject Title	Hour
Dentomaxillofacial Radiology	Anamnesis form, patient history and patient complaint, vital signs	1
	Odontogenic pain	1
	Diagnosis and treatment planning	1
	Prophylaxis and dental considerations in cardiovascular patients	1
	Dental considerations in endocrine system and respiratory system diseases	1
	Dental considerations in hematological diseases	1
	Dentap considerations in gastrointestinal system and renal diseases	1
	Dental considerations in liver diseases	1
	Dental considerations in rheumatic diseases	1
	Dental considerations in other systemic diseases	1
	Examination techniques	1
	Extraoral examination	1
	Paranasal sinuses and TMJ examination	1
	Lymph nodes, thyroid and trachea examination	1
	Intraoral examination findings-1	1
	Intraoral examination findings-2	1
	Extraoral radiography techniques	2
	Extraoral anatomical landmarks	1
	Digital imaging methods	1
	Artifacts in 2D dental imaging	1

Pedodontics	Behavior guidance	2
	Eruption of teeth	1
	Physiological root resorption	1
	Dental anomalies	1
	Primary teeth occlusion	1
	Examination and treatment plan in children	2
Endodontics	Endodontic patient examination	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
	Observation	x	Problem / Problem Solving		Brainstorming

Committee References	
1	Mallya SM, Lam EWN (2019). White And Pharoah's Oral Radiology: Principles and Interpretation. 8th ed. Elsevier, Missouri.
2	Glick M, Greenberg MS, Lockhart PB, Challacombe SJ (2021). Burket's Oral Medicine. 13th ed. Wiley Blackwell Inc, US.
3	Dean J (2021). McDonald and Avery's Dentistry for the Child and Adolescent. 11th ed. Elsevier, Amsterdam.
4	Nowak A (2018). Pediatric Dentistry Infancy Through Adolescence. 6th ed. Elsevier, Amsterdam.
5	Chong BS, Özçelik B (2019). Harty Klinik Uygulamada Endodonti. 7. baskı. Elsevier-Güneş Tıp Kitabevi, Ankara.
6	Lecture Notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	3	3	4	1	1	1	1	1	1	1	1	1	1
LO 2	3	4	3	1	1	3	1	1	1	1	1	1	1
LO 3	3	2	2	1	1	1	1	1	1	1	1	1	1
LO 4	2	1	1	3	1	1	1	1	1	1	1	1	1
LO 5	3	4	1	2	1	2	1	1	1	1	1	1	1
LO 6	2	1	1	3	1	1	1	1	1	1	1	1	1
LO 7	2	1	1	1	1	1	1	1	2	1	1	1	1
LO 8	2	2	1	1	1	1	1	1	1	1	1	1	1
LO 9	2	2	1	2	1	1	1	1	1	1	1	1	1
LO 10	2	2	2	1	1	2	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	30	1	30
Preparation for the Theoretical Course	30	0.5	15
Preparation for the Committee Exam	1	35	35
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	23	23
Final Theoretical Exam	1	1	1
		Total Workload	105

Total Workload / 30	105/30
ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC300	Compulsory	CS2	Removable Prosthesis

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
36	0	4	

Aim of the Committee

Teaching the concepts of complete and partial edentulism, introducing the different types and application areas of removable prostheses, explaining all clinical and laboratory stages starting from planning.

Learning Outcomes		
LO 1	*After the completion of this committee, students will be able to ...*	classify the partially edentulous arches and determines the treatment indication accordingly.
LO 2		relate the anatomical formations with retention in terms of removable prostheses and explain the limits of the prosthesis.
LO 3		define the structural components of removable prostheses, list the clinical and laboratory construction stages.
LO 4		select the materials and techniques to be used in the clinic and laboratory according to the case.
LO 5		define the problems encountered during and after the delivery of removable prostheses to the patient, explain reason and how to solve them.

Committee Outline

Department	Subject Title	Hour
Prosthetic Dentistry	Complete and partial edentulism concepts, introduction to removable dentures, classification of partially edentulous arches	1
	Evaluation of anatomical formations in the maxilla in terms of complete dentures	1
	Evaluation of anatomical formations in the mandible in terms of complete dentures	1
	Factors affecting retention in complete dentures	1
	Impression methods and impression materials in complete dentures I-II	2
	Laboratory procedures in complete dentures	1
	Post-seal area and neutral zone	1
	Preparation of base plate and wax rims in complete dentures, transfering models to the occlusor	1
	Vertical dimension determination methods	1
	Horizontal jaw relations, determination of centric relations	1
	Artificial tooth materials	1
	Tooth alignment and occlusion in complete dentures	2
	Trial in complete dentures and phonation	2
	Base materials used in removable denture	1
	Finishing complete dentures, patient delivery, occlusal reductions, herbst tests	2
	Anatomical and functional impression in partial dentures	2
	Structural components of partial dentures, related principles and surveyor	2
	Removable partial denture components - Direct and indirect retainers and rests	2
	Removable partial denture components - Major and minor connectors	2
	Retention and stabilization concepts in removable partial dentures	1
	Biomechanical concepts in removable partial dentures	2
	Base plate, wax rim, and obtaining occlusal records in partial dentures	1
	Bended clasps and manufacturing techniques in classical partial dentures	1
	Removable partial denture components - Denture base and artificial teeth	1
	Occlusion in removable partial dentures	1
	Laboratory stages of partial denture with framework	1

	Cleaning methods in removable dentures	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Ulusoy M, Aydın AK (2010). Diş Hekimliğinde Hareketli Bölümlü Protezler. 1. ve 2. cilt. 3. baskı. Ankara Üniversitesi Basımevi, Ankara.
2	Can G, Ersoy AE, Aksu ML (2015). Diş Hekimliğinde Maddeler Bilgisi. 2. baskı. Yurtmim Yayıncılık, Ankara.
3	Jones JD, Garcia LT (2013). Hareketli Bölümlü Protezler Klinisyenin Rehberi. Çeviri Editörü: Uludağ B, Eroğlu E. 1. baskı. Wiley-Blackwell, Dentsem
4	Hayakawa I (2007). Total Protezlerin Temel İlkeleri ve Pratiği: Protezlerin Zihinde Canlandırılması. Çeviri Editörü: Kazazoğlu E. Quintessence Yayıncılık, İstanbul
5	Çalıkkocaoğlu S (2013). Dişsiz Hastaların Protetik Tedavisi Klasik Tam Protezler. 6. baskı. Quintessence Yayıncılık, İstanbul
6	Kulak Özkan Y (2012). Tam Protezler ve İmplantüstü Hareketli Protezler. Vestiyer Yayın Grubu, İstanbul.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	2	3	1	1	1	1	1	1	1	1	1	1	1
LO 2	2	3	3	1	1	1	1	1	1	1	1	1	1
LO 3	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 4	2	2	2	4	1	1	1	1	1	1	1	1	1
LO 5	2	2	2	2	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	36	1	36
Preparation for the Theoretical Course	36	0,5	18
Preparation for the Committee Exam	1	30	30
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	20	20
Final Theoretical Exam	1	1	1
		Total Workload	106
		Total Workload / 30	106/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC300	Compulsory	CS3	Periodontal Treatment

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
23	0	2	

Aim of the Committee
Teaching the causes and classification of bone loss in periodontal diseases, giving information about risk assessment and prognosis, explaining diagnosis and treatment plans.

Learning Outcomes		
LO 1	*After the completion of this committee, students will be able to ...*	diagnose periodontal diseases and etiological factors clinically and radiographically, determine prognosis.
LO 2		define the factors involved in the immune response of the periodontium.
LO 3		list the process steps, tools and equipment used for the treatment of different periodontal diseases.
LO 4		define the surgical phase of periodontal diseases, choose appropriate resective and regenerative treatment methods for the case.
LO 5		list the pharmaceutical agents used in the treatment of periodontal diseases and relate them to host modulation.
LO 6		determine the need for supportive periodontal treatment.

Committee Outline		
Department	**Subject Title**	**Hour**
Periodontology	Immunity and inflammation	2
	Clinical diagnosis and risk assessment and advanced techniques in periodontal diagnosis	1
	Bone loss patterns	1
	Occlusal trauma	1
	Relationship with endodontic lesions	1
	Prognosis and treatment planning	1
	Scaling and root planning	1
	Patient motivation	1
Dentomaxillofacial Radiology	Periodontal radiology	2
Periodontology	Periodontal treatment in women and elders	1
	Aggressive and atypic periodontal treatment	1
	Periodontal abscess	1
	Treatment of acute periodontal disease	1
	Subgingival curettage	1
	Flap in periodontal pocket treatment	2
	Resective bone surgery and guided tissue regeneration	2
	Chemotherapeutic agents used in periodontal therapy	1
	Host modulation	1
	Relationship between periodontology and orthodontics, and supportive periodontal treatment	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation	x	Problem / Problem Solving		Brainstorming

Committee References	
1	Çağlayan, G. (2018). Periodontoloji ve İmplantoloji. Quintessence Yayınları, Türkiye.

2	Mallya SM, Lam EWN (2019). White And Pharoah's Oral Radiology: Principles and Interpretation. 8th ed. Elsevier, Missouri
3	Lecture Notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	3	3	1	1	1	2	1	1	2	1	1	1	1
LO 2	2	2	1	1	1	1	1	1	1	1	1	1	1
LO 3	2	3	1	3	1	2	1	1	1	1	1	1	1
LO 4	2	3	2	3	1	2	1	1	1	1	1	1	1
LO 5	2	2	4	1	1	2	1	1	2	1	1	1	1
LO 6	2	3	3	1	1	2	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	23	1	23
Preparation for the Theoretical Course	23	0.5	11.5
Preparation for the Committee Exam	1	20	20
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	10	10
Final Theoretical Exam	1	1	1
		Total Workload	66.5
		Total Workload / 30	66.5/30
		ECTS Credits	~2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC300	Compulsory	CS4	Dental Tissue Diseases and Treatments IV

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
18	0	1	

Aim of the Committee
Teaching the appropriate endodontic approach and material selection in adult patients; explaining the management of complications that occur during and after endodontic treatment and treatment outcomes; teaching the approach to the child patient and the requirements of primary tooth extraction.

Learning Outcomes		
LO 1	*After the completion of this committee, students will be able to ...*	select the appropriate number of treatment sessions and filling material for the root canal treatment, explain the reason.
LO 2		list the rules of asepsis of equipments used in endodontic treatment.
LO 3		diagnose and classify dental anomalies and determine the appropriate endodontic approach.
LO 4		evaluate the success of endodontic treatment, classify complications and choose the solution method.
LO 5		distinguish endodontic - periodontal lesions and list treatment methods.
LO 6		determine the need for apical resection, select the materials and techniques used.
LO 7		recognize the anatomy and pathologies of the paranasal region, distinguish it from pathologies of odontogenic origin and chooses its treatment.
LO 8		list the radiological and microscopic diagnostic criteria of salivary gland diseases and tumors, explain their surgical treatments.

Committee Outline		
Department	**Subject Title**	**Hour**
Endodontics	Root canal obturation materials	2
	Sterilization and disinfection of endodontic instruments and materials	1
	Evaluation of success in endodontic treatment	1
	Endodontic treatment complications	2
	Single and multi-session root canal treatments	2
	Endodontics-periodontology lesions	1
	Endodontic approach in dental anomalies	2
	Renewal of root canal filling (Retreatment)	1
	Root resorption	2
	Effects of restoration procedures on pulp	1
Pedodontics	Primary teeth cavity principles	1
	Pulp treatments in primary and young permanent teeth	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Chong BS (2019). Harty Klinik Uygulamada Endodonti, Çeviri editörü: Özçelik B, 7. baskı Elsevier, Güneş Tıp Kitabevi, Ankara
2	Torabinajad M, Fouad AF, Shabahang S (2021). Endodontics Principles and Practices. 6th ed. Elsevier, China.
3	Berman LH, Hargreaves K (2021). Cohen's Pathways of the Pulp. 12th ed. Elsevier, Canada.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 2	1	1	1	2	1	1	1	2	1	1	1	1	1
LO 3	3	3	1	1	1	3	1	1	1	1	1	1	1
LO 4	3	2	1	1	1	2	1	1	1	1	1	1	1
LO 5	2	3	1	1	1	2	1	1	1	1	1	1	1
LO 6	3	3	1	1	1	2	1	1	1	1	1	1	1
LO 7	2	2	1	1	1	1	1	1	1	1	1	1	1
LO 8	3	2	1	1	1	3	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	18	1	18
Preparation for the Theoretical Course	18	0.5	9
Preparation for the Committee Exam	1	8	8
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	4	4
Final Theoretical Exam	1	1	1
		Total Workload	41
		Total Workload / 30	41/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC300	Compulsory	CS5	Local Anesthesia

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
14	0	1	

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

Learning Outcomes		
LO 1	*After the completion of this committee, students will be able to …*	list the historical processes and development of local anesthesia.
LO 2		define nerve conduction mechanisms and innervation of teeth.
LO 3		select the appropriate anesthetic agent according to the systemic conditions of the patients.
LO 4		explain the anesthesia technique that should be applied according to the procedure to be performed.
LO 5		compare dental anesthesia applications in pediatric patients with adult applications.
LO 6		list local anesthesia complications and management.

Committee Outline

Department	Subject Title	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 anesthetics substances and vasopressors	1
	N. trigeminus, n. facialis anatomy and teeth innervation	1
	Local anesthesia methods (regional, infiltration, troncular)	1
	Mandibular anesthesia	2
	Maxillary anesthesia	2
Pedodontics	Local anesthesia methods in children	1
Oral and Maxillofacial Surgery	Local complications of local anesthesia	1
	General complications of local anesthesia	1

Learning and Teaching Techniques of the Committee

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

Committee References

1	Ogle OE, Mahjoubi G. Local anesthesia: agents, techniques, and complications. Dent Clin North Am. 2012;56(1):133- 148.
2	Hupp JR, Ellis E, and Tucker MR (2019). Contemporary Oral and Maxillofacial Surgery. 7th ed. Elsevier Inc., Philadelphia, PA.
3	Malamed SF (2020). Handbook of Local Anesthesia. 7th ed. Elsevier Inc., New York.
4	Katzung BG (2012). Basic&Clinical Pharmacology, 10th ed. Appleton&Lange, San Francisco.
5	Dean J (2021). McDonald and Avery's Dentistry for the Child and Adolescent, 6th ed. Elsevier, Amsterdam.

Quantification and Consideration

x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam

	Practice / 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
LO 1	1	1	1	2	1	1	1	1	1	1	1	1	1
LO 2	2	3	1	1	1	1	1	1	1	1	1	1	1
LO 3	2	3	4	1	1	1	1	1	1	1	1	1	1
LO 4	3	2	1	1	1	1	1	1	1	1	1	1	1
LO 5	3	1	1	1	1	1	1	1	1	1	1	1	1
LO 6	2	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	14	1	14
Preparation for the Theoretical Course	14	0.5	7
Preparation for 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	38
		Total Workload / 30	38/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC300	Compulsory	CS6	Dental Tissue Diseases and Treatments - V

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
23	0	2	

Aim of the Committee

Teaching the causes of substance loss and treatment approaches to primary and permanent teeth with substance loss; minimally invasive dentistry practices and adhesive systems.

Learning Outcomes		
LO 1	*After the completion of this committee, students will be able to ...*	list the treatment approaches according to the etiology of substance loss, select the techniques and materials to be applied.
LO 2		define the minimally invasive approach; list the materials, devices and techniques used.
LO 3		explain the development, properties and clinical applications of adhesive systems.
LO 4		define the properties of composite resins and choose the application technique.
LO 5		diagnose clinical failure in composite resin restorations and associate it with the solution method.
LO 6		define the application stages of stainless steel crowns.

Committee Outline

Department	Subject Title	Hour
Restorative Dentistry	Causes of tissue loss (abrasion, attrition, abfraction, erosion)	2
	Dentin pin and complex amalgam restorations	2
Prosthetic Dentistry	Ceramic inlays and onlays	1
	Restoration of endodontically treated teeth (prefabricated and cast posts)	1
Pedodontics	Stainless steel crowns and other restorations	2
Restorative Dentistry	Minimally invasive approaches to caries removal	2
	Modern cavity rules	1
	Adhesion	2
	Adhesive systems	2
	Composite resins	2
	Clinical application methods of composite resins	2
	Finishing and polishing in composite restorations	1
	Clinical failure in composite restorations	1
	Restoration repair, change criteria and clinical application methods	1
	Composite inlays and onlays	1

Learning and Teaching Techniques of the Committee

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

Committee References

1	Welbury R, Duggal MS, Hosey MT (2018). Paediatric Dentistry. 5th ed. Oxford, England.
2	Fan J, Xu Y, Si L, Li X, Fu B, Hannig M. Long-term Clinical Performance of Composite Resin or Ceramic Inlays, Onlays, and Overlays: A Systematic Review and Meta-analysis. Oper Dent. 2021;46(1):25-44.
3	Bonsor SJ. Are dentine pins obsolete? Dent Update. 2013;40(4):253-258.

4	Ritter AV, Boushell LW, Walter R (2016). Sturdevant's Art and Science of Operative Dentistry. 7th ed. Elsevier Health Sciences.
5	Garg N, Garg A (2020). Textbook of Operative Dentistry. 4th ed. Jaypee Brothers Mediacal Publishers.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	3	3	1	3	1	2	1	1	1	1	1	1	1
LO 2	2	1	1	3	1	1	1	1	1	1	1	1	1
LO 3	2	1	1	3	1	1	1	1	1	1	1	1	1
LO 4	2	1	1	3	1	1	1	1	1	1	1	1	1
LO 5	2	1	1	2	1	1	1	1	1	1	1	1	1
LO 6	2	1	1	2	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	23	1	23
Preparation for the Theoretical Course	15	0.2	3
Preparation for the Committee Exam	1	20	20
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	17	17
Final Theoretical Exam	1	1	1
		Total Workload	65
		Total Workload / 30	65/30
		ECTS Credits	~2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC300	Compulsory	CS7	Systemic Diseases

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
23	0	2	

Aim of the Committee
Teaching dentistry approaches, medications used and prophylactic approaches in children and adults with systemic diseases.

Learning Outcomes		
LO 1	*After the completion of this committee, students will be able to ...*	list the precautions to be taken as a dentist in childhood diseases.
LO 2		explain the prophylaxis and treatment procedures to be followed in individuals with systemic disease.
LO 3		define the dentist's approach in contagious diseases.
LO 4		recognize laboratory test findings in systemic diseases.
LO 5		evaluate the role of drugs used in dentistry in treatment, select the appropriate drug for the case.

Committee Outline		
Department	**Subject Title**	**Hour**
Pedodontics	Child diseases and dentistry	2
Periodontology	Periodontology and systemic diseases	2
Endodontics	Endodontics in systemic diseases	1
Oral and Maxillofacial Surgery	Surgical management of cardiovascular patients	1
	Surgical management of respiratory and endocrine patients	1
	Surgical management of coagulopathy patients	1
	Dentistry in infectious diseases	1
	Focal infection concept and prophylaxis	1
Biochemistry	Blood biochemistry and biochemical analysis	4
Pharmacology	Medicines and prescriptions used in dentistry	3
Oral and Maxillofacial Surgery	Drug used in dentistry and prescription	4
Endodontics	Systemic drug use in endodontics	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Newman M, Takei H, Klokkevold P, Carranza F (2019). Clinical Periodontology, 13th ed. Elsevier.
2	Çağlayan G (2018). Periodontoloji ve İmplantoloji, Quintessence Yayınları, Türkiye.
3	Berman LH, Hargreaves K (2021). Cohen's Pathways of the Pulp. 12th ed. Elsevier, Canada.
4	Bertossi D, Barone A, Iurlaro A, et al. Odontogenic Orofacial Infections. J Craniofac Surg. 2017;28(1):197-202.
5	Alpaslan C (2018). Ağız, Diş ve Çene Cerrahisi Kanıta Dayalı Tanı ve Tedavi Yaklaşımları. Quintessence Yayıncılık, İstanbul.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project

	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	2	3	3	1	1	1	2	1	1	1	1	1	1
LO 2	3	3	4	1	1	1	1	1	1	1	1	1	1
LO 3	3	2	3	1	1	2	2	1	1	1	1	1	1
LO 4	2	2	3	1	1	1	1	1	1	1	1	1	1
LO 5	2	3	5	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	23	1	23
Preparation for the Theoretical Course	23	0.5	11.5
Preparation for the Committee Exam	1	20	20
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	10	10
Final Theoretical Exam	1	1	1
		Total Workload	66.5
		Total Workload / 30	66/30
		ECTS Credits	~2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC300	Compulsory	CS8	Orthodontic Approaches

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
18	0	1	

Aim of the Committee
Teaching orthodontics and the relationship between orthodontics with growth and 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 teaching skeletal anomalies.

Learning Outcomes		
LO 1	*After the completion of this committee, students will be able to ...*	explain the interactions of the jaw and facial bones in the craniofacial complex during the growth and development period.
LO 2		define the importance of growth and development in terms of orthodontic malocclusion and treatment, determine the timing of treatment.
LO 3		list the uses of removable appliances in orthodontic treatment.
LO 4		list the radiography techniques used in orthodontic examination.
LO 5		classify dental and skeletal anomalies and list their etiological factors.
LO 6		explain the displacement and remodeling mechanisms in bone tissue due to orthodontic movements.
LO 7		define the features of congenital anomalies and accompanying syndromes, distinguish genetic and environmental factors.

Committee Outline

Department	Subject Title	Hour
Orthodontics	Definition of orthodontics and its relationship with growth and development	1
	Bone growth centers and activities of these places	2
	Growth and development terminology and its basic principles, functional matrix theory	2
	Prenatal-postnatal development of maxilla	1
	Prenatal and postnatal growth and development of cranium and cranial base	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, periapical and occlusal films, and photograph	2
	Hand wrist films	1
	Skeletal and dental 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 Committee

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

Committee References

1	Öz E, Küçükeşmen Ç. Çocuklarda Maloklüzyon ve Ortodontik Tedavi İhtiyacı. Turkiye Klinikleri J Dental Sci. 2019;25(2):193-200.
2	Maden G, Kasımoğlu Y,Esen M, Tuna E. Diyet Faktörleri İle Maloklüzyon Arasındaki İlişkinin Değerlendirilmesi. Süleyman Demirel Üniversitesi Sağlık Bilimleri Dergisi. 2021; 12(1): 1-7.

3	Phulari BS (2017). Orthodontics: principles and practice. 2nd ed. Jaypee Brothers Mediacal Publishers, India.
4	Yavan MA, Çetin Taşkıran G, Gökçe G, Hamamcı N. Therapeutic Effects of Removable İntraoral Class III Appliances on Dentofacial Structures: A Comprehensive Literature Review. Süleyman Demirel Üniversitesi Sağlık Bilimleri Dergisi. 2022;13(1): 153-160.
5	Gopalakrishnan U, Mahendra L, Rangarajan S, Madasamy R, Ibrahim M. The Enigma behind Pituitary and Sella Turcica. Case Rep Dent. 2015;2015:954347.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	2	2	1	1	1	1	1	1	1	1	1	1	1
LO 2	2	4	2	1	1	2	2	1	1	1	1	1	1
LO 3	2	2	1	3	1	1	1	1	1	1	1	1	1
LO 4	2	2	1	3	1	1	1	1	1	1	1	1	1
LO 5	2	3	3	1	1	1	1	1	1	1	1	1	1
LO 6	2	2	1	1	1	1	1	1	1	1	1	1	1
LO 7	2	3	2	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	18	1	18
Preparation for the Theoretical Course	18	0.5	9
Preparation for the Committee Exam	1	7	7
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	5	5
Final Theoretical Exam	1	1	1
		Total Workload	41
		Total Workload / 30	41/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC300	Compulsory	CS9	Oral and Maxillofacial Surgery

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
13	0	1	

Aim of the Committee

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

Learning Outcomes		
LO 1	*After the completion of this committee, students will be able to ...*	recognize the materials and instruments used in surgical practice; list incision, flap and suture techniques.
LO 2		list indications and contraindications of tooth extraction, explain extraction techniques.
LO 3		explain the causes of tooth extraction complications and complication management.
LO 4		define wound healing phases, relate factors affecting wound healing with complications.
LO 5		explain the types of bleeding and control methods.
LO 6		list infection control methods, devices, and materials.

Committee Outline

Department	Subject Title	Hour
Oral and Maxillofacial Surgery	Introduction to Oral & Maxillofacial Surgery and history, and instruments used in surgical practice	1
	Tooth extraction general principles, indications, contraindications	2
	Tooth extraction techniques, root extraction, ankylosed open extraction	2
	Local and systemic complications of tooth extraction	2
	Incision, suture and flap techniques and materials	3
	Wound types and treatments	1
	Hemorrhages and treatments	1
	Asepsis, antisepsis, sterilization and preparation for surgery	1

Learning and Teaching Techniques of the Committee

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

Committee References

1	Hupp JR, Ellis E, and Tucker MR (2019). Contemporary Oral and Maxillofacial Surgery. 7th ed. Elsevier Inc., Philadelphia, PA.

Quantification and Consideration

x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	1	1	1	3	1	1	1	1	1	1	1	1	1
LO 2	3	3	1	3	1	2	1	1	1	1	1	1	1
LO 3	2	2	1	1	1	1	1	1	1	1	1	1	1

LO 4	2	2	2	1	1	1	1	1	1	1	1	1	1
LO 5	2	1	2	1	1	2	1	1	1	1	1	1	1
LO 6	2	1	3	3	1	1	1	3	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	13	1	13
Preparation for the Theoretical Course	13	0.5	6.5
Preparation for the Committee Exam	1	8	8
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	4	4
Final Theoretical Exam	1	1	1
		Total Workload	33.5
		Total Workload / 30	33.5/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DPC300	Compulsory	PC1	Restorative Dentistry

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
0	120	8	

Aim of the Committee

Teaching the preparation of conservative cavities in accordance with modern cavity rules, the application of composite resin restorations, Black III and Black IV cavity preparations prepared in the aesthetic region, and matrix and wedge applications, introducing modern cavities that will be suitable for caries formed according to the morphological structure of the teeth and explaining the selection of the most suitable restoration material in these cavities.

Learning Outcomes

LO 1	*After the completion of this committee, student will be able to...*	apply various cavity preparation techniques on maxillary and mandibular phantom teeth.
LO 2		apply capping treatment on maxillary and mandibular famtom teeth.
LO 3		apply the stages of composite restorations in order in the preclinical setting.

Committee Outline

Department	Subject Title	Hour
Restorative Dentistry	Application stages of different dentin adhesives	2
	Composite restoration application stages	2
	Wedge and matrix application for composite restoration in approximal cavities	4
	Box-only cavity application	8
	Application of box-only cavity restoration	12
	Application of tooth-specific cavities (maxillary I. molar, mandibular II. premolar occlusal)	12
	Implementation of tooth-specific cavity (maxillary first molar, mandibular II. premolar O+O cavity) restoration	12
	Application of capping treatment	4
	Slot - application of tunnel cavities	8
	Slot - implementation of tunnel cavities restoration	8
	Black III cavity application	8
	Application of Black III cavity restoration	12
	Black IV cavity application	8
	Application of Black IV cavity restoration	12
	Quizzes	8

Learning and Teaching Techniques of the Committee

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

Committee References

1	Torres C R G (2019). Modern operative dentistry. Principles for clinical practice. Springer Nature.
2	Heymann H O, Swift E J, Ritter A V (2012). Sturdevant's Art & Science of Operative Dentistry-E-Book. Elsevier Health Sciences.
3	Demonstration videos

Quantification and Consideration

x	Attendance		Clinical Rotation		Project
x	Laboratory	x	Homework	x	Quiz
x	Practical / Implementation		Presentation	x	Final 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
LO 1	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 2	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 3	2	1	1	3	1	2	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course time	15	8	120
Preparation to the Practical Course	15	1.5	22.5
Assignment	15	4	60
Preparation to the Final Practical Exam	1	20	20
Final Practical Exam	1	3	3
		Total Workload	225.5
		Total Workload / 30	225.5/30
		ECTS Credits	~ 8

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DPC300	Compulsory	PC2	Prosthetic Dentistry

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
0	120	8	

Aim of the Committee

Teaching Kennedy classification in patients with partial tooth deficiency, introducting of axes, planes and movements that will occur depending on the classification; teaching the dental materials used in the fabrication of full and partial removable dentures and the application of laboratory fabrication stages.

Learning Outcomes

LO 1	*After the completion of this committee, student will be able to...*	select the materials and equipment used in the fabrication of removable prostheses.
LO 2		perform the impression procedure in the preclinical environment in cases where removable prosthesis will be applied.
LO 3		apply the laboratory fabrication stages of removable prostheses in a preclinical setting.

Committee Outline

Department	Subject Title	Hour
Prosthodontics	Introduction to the preclinic, general rules and material presentation	8
	Obtaining fully edentulous models and transferring them to the occlusor	8
	First impression and individualized tray fabrication in complete dentures	8
	Taking the second impression with zinc oxide eugenol, boxing and obtaining the main model	32
	Applying base plate, wax rims and transfering to the occlusor in fully edentulous models	8
	Tooth arrangement in complete dentures	16
	Acrylic treatments, finishing, leveling and polishing in complete dentures	8
	Individualized tray fabrication and impression in removable partial dentures	8
	Clasp bending in removable partial dentures	8
	Applying base plate, wax rims and transfering to the occlusor in removable partial dentures	8
	Acrylic treatments, finishing, leveling and polishing in removable partial dentures	8

Learning and Teaching Techniques of the Committee

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

Committee References

1	Çalıkkocaoğlu S (2013). Dişsiz Hastaların Protetik Tedavisi Klasik Tam Protezler. 6. baskı. Quintessence Yayıncılık, İstanbul.
2	Kulak Özkan Y (2012). Tam Protezler ve İmplantüstü Hareketli Protezler. Vestiyer Yayın Grubu, İstanbul.
3	Ulusoy M, Aydın AK (2010). Diş Hekimliğinde Hareketli Bölümlü Protezler. 1. ve 2. cilt. 3. baskı. Ankara Üniversitesi Basımevi, Ankara.
4	Demonstration videos

Quantification and Consideration

x	Attendance		Clinical Rotation		Project
x	Laboratory	x	Homework	x	Quiz
x	Practical / Implementation		Presentation	x	Final 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
LO 1	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 2	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 3	2	1	1	3	1	2	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course time	15	8	120
Preparation to the Practical Course	15	1.5	22.5
Assignment	15	4	60
Preparation to the Final Practical Exam	1	20	20
Final Practical Exam	1	3	3
		Total Workload	225.5
		Total Workload / 30	225.5/30
		ECTS Credits	~ 8

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DPC300	Compulsory	PC3	Endodontics

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
0	120	8	

Aim of the Committee
Teaching the application of the endodontic procedures in accordance with the general principles of root canal treatment at the preclinical level in a simulation environment on all extracted maxillary and mandibular natural teeth.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to...*	detect the root canal lengths of all maxillary and mandibular natural teeth radiographically.
LO 2		apply the cleaning, shaping, irrigation, and canal filling procedures of root canals by using traditional methods.

Committee Outline		
Department	**Subject Title**	**Hour**
Endodontics	Preparation of teeth for root canal treatment	4
	Working length determination in root canal treatment	8
	Discussion and demonstration of the general principles of cleaning and shaping the root canals	8
	Discussion and demonstration of the general principles of filling root canals	8
	Cleaning and shaping of root canals in maxillary and mandibular incisors	16
	Filling of root canals in maxillary and mandibular incisors	8
	Cleaning and shaping of root canals in maxillary and mandibular canine teeth	12
	Filling of root canals in maxillary and mandibular canines	8
	Cleaning and shaping of root canals in maxillary and mandibular premolars	16
	Filling of root canals in maxillary and mandibular premolars	8
	Cleaning and shaping of root canals in maxillary and mandibular molars	16
	Filling of root canals in maxillary and mandibular molars	8

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Alaçam TE, Uzel D, Alaçam A, Aydın ME (2012). Endodonti. Özyurt Matbaacılık, Ankara.
2	Berman LH, Hargreaves KM. (2020). Cohen's Pathways of the Pulp Expert Consult. 12th ed. Elsevier, Kanada.
3	Erişen R, çeviri ed., Torabinejad M, Walton RE (ed) (2011). Endodonti Temel İlkeler ve Uygulamalar. Nobel Tıp Kitabevi, İstanbul.
4	Chong BS. Ozcelik, B. (Çeviri Editör) (2019) Harty Klinik Uygulamada Endodonti. 7. Bs. Güneş Tıp Kitapevleri.
5	Demonstration videos

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
x	Laboratory	x	Homework	x	Quiz
x	Practical / Implementation		Presentation	x	Final 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
LO 1	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 2	2	1	1	3	1	2	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course time	15	8	120
Preparation to the Practical Course	15	1.5	22.5
Assignment	15	4	60
Preparation to the Final Practical Exam	1	20	20
Final Practical Exam	1	3	3
		Total Workload	225.5
		Total Workload / 30	225.5/30
		ECTS Credits	~ 8

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DPC300	Compulsory	SPC1	Restorative Dentistry Simulation

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
0	44	2	

Aim of the Committee

Teaching how to work on phantom models in ergonomic conditions to form the basis for clinical applications in the mouth and teaching the application of restorative procedures to be performed in the mouth by simulating; introducing modern cavities that will be suitable for caries formed according to the morphological structure of the teeth and teaching the selection of the most suitable restoration material in these cavities.

Learning Outcomes

LO 1	*After the completion of this committee, student will be able to...*	choose the right approach position for both the phantom model and himself/herself according to the region where the restorative procedures will be applied.
LO 2		recognize the hand tools to be used during the restorative process.
LO 3		perform modern cavity preparation in accordance with the morphology of the caries in the tooth.

Committee Outline

Department	Subject Title	Hour
Restorative Dentistry	Adjusting the position of the phantom model	2
	Adjusting the student position for ergonomic work according to the phantom model	2
	Introduction and use of hand tools to be used during restoration	4
	Implementation of restorative procedures in the mouth by simulating	4
	Occlusopalatinal cavity application in maxillary molars	12
	Occlusobuccal cavity application to mandibular molars	12
	Exam	8

Learning and Teaching Techniques of the Committee

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

Committee References

1	Valachi B (2008). Practice Dentistry Pain-Free. Evidence-based Strategies to Prevent Pain & Extend Your Career.
2	Torres C R G (2019). Modern Operative Dentistry. Principles for Clinical Practice. Springer Nature.
3	Demonstration videos

Quantification and Consideration

x	Attendance		Clinical Rotation		Project
x	Laboratory	x	Homework	x	Quiz
x	Practical / Implementation		Presentation	x	Final 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
LO 1	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 2	1	1	1	3	1	1	1	1	1	1	1	1	1
LO 3	2	1	1	3	1	2	1	1	1	1	1	1	1

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

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course time	11	4	44
Preparation to the Practical Course	10	1	10
Preparation to the Final Practical Exam	1	15	15
Final Practical Exam	1	3	3
		Total Workload	0
		Total Workload / 30	72/30
		ECTS Credits	~ 2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DPC300	Compulsory	SPC2	Prosthodontics Simulation

o

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
0	32	2	

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

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to...*	select the correct position to perform the tooth preparation process.
LO 2		perform tooth preparation for different restoration types on the phantom model.
LO 3		perform restoration of permanent teeth with material loss with direct restorative materials.

Committee Outline		
Department	**Subject Title**	**Hour**
Prosthodontics	Introduction to phantom, general rules and material introduction	4
	Anterior bridge preparation and impression in fixed prostheses	8
	Posterior bridge preparation and impression in fixed prostheses	8
	Full mouth bridge preparation and impression	8
	Post-core application and impression	4

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Rosenstiel SF, Land MF, Walter R (2022). Contemporary Fixed Prosthodontics. 6th ed., Mosby.
2	Shillingburg HT, Sather DA, Wilson EL, Cain JR, Mitchell DL, Blanco LJ, Kessler JC (2012). Fundamentals of fixed prosthodontics. 4th Ed. Quintessence Pub Co., Chicago.
3	Sakaguchi RL, Powers JM (2019). Craig's Restorative Dental Materials. 14. baskı. Elsevier Mosby, St. Louis.
4	Demonstration videos

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
x	Laboratory	x	Homework	x	Quiz
x	Practical / Implementation		Presentation	x	Final 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
LO 1	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 2	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 3	2	1	1	4	1	2	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course time	8	4	32
Preparation to the Practical Course	8	2	16
Preparation to the Final Practical Exam	1	15	15
Final Practical Exam	1	3	3
		Total Workload	0
		Total Workload / 30	66/30
		ECTS Credits	~ 2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DPC300	Compulsory	SPC3	Orthodontics Simulation

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
0	4	1	

Aim of the Committee
Teaching the way of making removable appliances and clasp and arc bending for those appliances.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to...*	apply vestibule arc, Adams clasp, and twist mainspring.
LO 2		apply the stages of acryl reaction in order.
LO 3		apply the fabrication stages of monoblock and essix platter.

Committee Outline		
Department	**Subject Title**	**Hour**
Orthodontics	Twisting vestibule arc, Adams clasp and mainspring	1
	Acrylic recoil and monoblock fabrication	1
	Essix making	1
	Basic arc form bending	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Ülgen M (2006). Ortodonti. Anomaliler, Sefalometri, Etiyoloji, Büyüme ve Gelişim, Tanı. 3. Baskı. Ankara Üniversitesi Diş Hekimliği Fakültesi Yayınları, Ankara.
2	Proffit WR, Fields H, Sarver DM (2012). Contemporary Orthodontics, 5th Ed., Mosby.
3	Course materials

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
x	Laboratory	x	Homework	x	Quiz
x	Practical / Implementation		Presentation	x	Final 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
LO 1	2	1	1	2	1	1	1	1	1	1	1	1	1
LO 2	2	1	1	2	1	1	1	1	1	1	1	1	1
LO 3	2	1	1	2	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course time	1	4	4

Preparation to the Practical Course	1	8	8
Preparation to the Final Practical Exam	1	10	10
Final Practical Exam	1	3	3
		Total Workload	0
		Total Workload / 30	25/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DPC300	Compulsory	SPC4	Anesthesia

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
0	12	1	

Aim of the Committee
Teaching the application of local anesthesia equipment, techniques, and anesthetic solutions used in dentistry practice.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to...*	select the appropriate local anesthetic agents and injectors for the case.
LO 2		apply maxillary and mandibular local anesthesia techniques.

Committee Outline		
Department	**Subject Title**	**Hour**
Oral and Maxillofacial Surgery	Identifying local anesthetic agents and injectors	3
	Introduction of general principles in local anesthesia	3
	Demonstration and application of maxillary anesthesia techniques	3
	Demonstration and application of mandibular anesthesia techniques	3

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Malamed SF (2020). Handbook of Local Anesthesia. 7th ed. Elsevier Inc., New York.
2	Baart JA, Brand HS (2017). Local Anaesthesia in Dentistry, 2nd Ed., Springer.
3	Koçak Berberoğlu H, Gürkan Köseoğlu B, Kasapoğlu Ç (2017). Quintessence Yayıncılık.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
x	Laboratory	x	Homework	x	Quiz
x	Practical / Implementation		Presentation	x	Final 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
LO 1	1	1	1	2	1	1	1	1	1	1	1	1	1
LO 2	2	1	1	3	1	2	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course time	3	4	12
Preparation to the Practical Course	3	1	3
Preparation to the Final Practical Exam	1	5	5

Final Practical Exam	1	3	3
		Total Workload	0
		Total Workload / 30	23/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DPC300	Compulsory	SPC5	Periodontology Simulation

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
0	4	1	

Aim of the Committee
Teaching the use of hand tools on phantom jaws in simulation laboratory; the implementation of processes of detertrage and curettage by explaining the patient and physician positions during the procedure.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to...*	take the correct working position before the detertrage and curettage process.
LO 2		define the scales and curette types which are hand tools used in periodontal treatment.
LO 3		apply detertage and curettage procedures on artificial teeth of different half jaws.

Committee Outline		
Department	**Subject Title**	**Hour**
Periodontology	Detertrage and curettage	2
	Introducing scales and curettes	1
	Physician and patient position during detertrage and curettage procedures	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Newman M, Takei H, Klokkevold P, Carranza F (2019). Clinical Periodontology, 13th ed., Elsevier.
2	Çağlayan, G. (2018). Periodontoloji ve İmplantoloji. Quintessence Yayınları, Türkiye.
3	Course materials

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
x	Laboratory	x	Homework	x	Quiz
x	Practical / Implementation		Presentation	x	Final 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
LO 1	2	1	1	2	1	1	1	1	1	1	1	1	1
LO 2	2	1	1	2	1	1	1	1	1	1	1	1	1
LO 3	2	1	1	2	1	2	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course time	1	4	4
Preparation to the Practical Course	1	8	8

Preparation to the Final Practical Exam	1	5	5
Final Practical Exam	1	3	3
		Total Workload	0
		Total Workload / 30	20/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DPC300	Compulsory	SPC6	Pedodontics Simulation

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
0	56	3	

Aim of the Committee

Demonstrating and teaching tooth brushing training, protective and preventive treatment methods, primary tooth restorations in pediatric patients according to age groups.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to...*	provide tooth brushing training for different age groups on the phantom model.
LO 2		apply topical fluoride on the phantom model.
LO 3		apply fissure sealant on permanent and primary teeth.
LO 4		apply primary tooth restorations with all stages.
LO 5		apply the stages of primary tooth amputation in phantom teeth.

Committee Outline

Department	Subject Title	Hour
Pedodontics	Brushing training for different age groups/ fluoride polish application, completing booklet assignments	8
	Fissure sealant applications in extracted permanent and primary teeth, completing booklet assignments	8
	Compomer restorations in primary teeth	20
	Amputation of primary teeth	20

Learning and Teaching Techniques of the Committee

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

Committee References

1	Dean J (2021). McDonald and Avery's Dentistry for the Child and Adolescent. 11th ed. Elsevier, Amsterdam.
2	Welbury R, Duggal MS, Hosey MT (2018). Paediatric Dentistry 5th Ed., Oxford University Press.

Quantification and Consideration

x	Attendance		Clinical Rotation		Project
x	Laboratory	x	Homework	x	Quiz
x	Practical / Implementation		Presentation	x	Final 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
LO 1	2	1	1	3	1	2	3	1	1	1	1	1	1
LO 2	2	1	1	3	1	2	3	1	1	1	1	1	1
LO 3	2	1	1	3	1	2	3	1	1	1	1	1	1
LO 4	2	1	1	3	1	2	1	1	1	1	1	1	1
LO 5	2	1	1	3	1	2	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Practical course time	14	4	56
Preparation to the Practical Course	14	2	28
Preparation to the Final Practical Exam	1	15	15
Final Practical Exam	1	3	3
		Total Workload	102
		Total Workload / 30	102/30
		ECTS Credits	~ 3

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
2022-2023 ACADEMIC YEAR COURSE CONTENTS

CODE	COURSE NAME	Pre.	C/E	T	P	ECTS
DTC400	**Year 4 Theoretical Committees**	**DTC300 DPC300 DCS300**	C	**275**	**0**	**16**
	CS1 - Pediatric Dentistry and Orthodontics			35	0	2
	CS2 - Color and Esthetics			16	0	1
	CS3 - Public Oral Health			11	0	1
	CS4 - Advanced Procedures in Prosthetic Dentistry			16	0	1
	CS5 - TMJ, Trauma, and Pain			23	0	2
	CS6 - Advanced Surgical Procedures			18	0	1
	CS7 - Orofacial Infections and Malignancies			80	0	5
	BS - Biostatistics and Ethics			54	0	2
	BMS - Basic Medical Sciences			22	0	1
Clinical Rotations	DCR401 - Oral and Maxillofacial Surgery		C	0	60	4
	DCR402 - Dentomaxillofacial Radiology			0	60	4
	DCR403 - Endodontics			0	60	4
	DCR404 - Orthodontics			0	30	2
	DCR405 - Pedodontics			0	60	4
	DCR406 - Periodontology			0	30	2
	DCR407 - Prosthodontics			0	60	4
	DCR408 - Restorative Dentistry			0	60	4
ELC***	Elective Course		E	2*15	0	4
ELC***	Elective Course		E	2*15	0	4
ELC***	Elective Course	-	E	2*15	0	4
ELC***	Elective Course	-	E	2*15	0	4
Total				395	420	60

C: Compulsory – E: Elective – CE: Compulsory Elective– T: Theory– P: Practical –ECTS: European Credit Transfer System

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC400	Compulsory	CS1	Pediatric Dentistry and Orthodontics

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
35	0	2	

Aim of the Committee
Teaching the sedation applications and pharmacological agents used in pediatric patients; indications and techniques of deciduous tooth extraction; the concept of preventive orthodontics in children; orthodontic malocclusion types and treatment methods.

Learning Outcomes		
LO 1	*After the completion of this committee, students will be able to ...*	define the clinical findings of MIH.
LO 2		list the occlusion changes during the transition to primary and mixed dentition.
LO 3		list the sedation / general anesthesia indications; determine the need for primary tooth extraction.
LO 4		compare fixed and movable spacemaintainers.
LO 5		define orthodontic force and anchorage principles; list the biomechanical properties of orthodontic appliances.
LO 6		define the concepts of functional analysis and functional orthodontic treatment.
LO 7		compare orthodontic treatment types and list the indications.
LO 8		determine the psychological approach to patients undergoing orthodontic treatment.
LO 9		define the etiology of cleft lip and palate cases.
LO 10		distinguish dental malocclusions and skeletal anomalies, explain treatment principles.
LO 11		explain the fixed treatment techniques and the principles and importance of reinforcement therapy.
LO 12		recognize endodontic complications that may result from orthodontic treatment and list precautions.

Committee Outline		
Department	**Subject Title**	**Hour**
Pedodontics	Molar-incisor hypomineralization (MIH)	1
	Occlusal guidance	1
	Spacemaintainers	1
	Bad oral habits in children	1
	Sedation and general anesthesia / pharmacological applications	1
	Indications for extraction of primary teeth	1
	Case evaluation	4
Endodontics	Regenerative Endodontics	1
Ortodontics	Preventive orthodontics and types of preventive orthodontics	1
	Orthodontic force sources, orthodontic force types and properties, anchorage	1
	Tools used in orthodontic treatment and their biomechanical properties	1
	Examining the psychological aspects of orthodontic treatment	1
	Orthodontic treatment in cleft lip and palate	1
	Functional analysis and myofunctional therapy	1
	Philosophy of functional jaw orthopedics	1
	Treatment principles of Cl II, div. I anomalies	1
	Treatment principles of Cl II, div. 2 anomalies	1
	Appliances that apply extra-oral force to the mouth	1
	Orthopedic treatment of Cl III anomalies	1
	Orthodontic surgical treatment, distraction osteogenesis	1
	Fixed orthodontic treatment, 6 keys to occlusion and retention	1

	Respiratory system and its relationship with orthodontics	1
	Orthop-orthodontic treatment in deep bite cases	1
	Orthop-orthodontic treatment in open bite cases	1
	Orthop-orthodontic applications in horizontal direction anomalies (slow-rapid expansion)	1
	Orthodontic treatment of impacted teeth	1
Endodontics	Endodontics - orthodontics relationship	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
	Observation	x	Problem / Problem Solving	x	Brainstorming

Committee References	
1	Hyun Park J (2020). Temporary Anchorage Devices in Clinical Orthodontics. Wiley-Blackwell.
2	Burstone C, Kwangchul C (2015). The Biomechanical Foundation of Clinical Orthodontics. 1st Edition. Quintessence Publishing Co. China.
3	Proffit W, Fields H (2018). Contemporary Orthodontics. 6th Edition. Elsevier Publishing.
4	Graber L, Vig K, Huang G, Fleming P (2023). Orthodontics: Current Principles and Techniques. 7th Edition. Elsevier Publishing.
5	Aksoy A, Abdulhussein Z (2021). An Overview of Orthodontic Functional Analysis. Black Sea Journal of Health Science. 4(3):335-340.
6	Dean J (2021). McDonald and Avery's Dentistry for the Child and Adolescent. 11th Edition. Elsevier, Amsterdam.
7	Nowak A (2018). Pediatric Dentistry Infancy Through Adolescence. 6th Edition. Elsevier, Amsterdam.
8	Coelho-Leal S, Takeshita EM (2019). Pediatric Restorative Dentistry. Springer, Switzerland.
9	Lecture notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	2	3	1	1	1	1	1	1	1	1	1	1	1
LO 2	2	2	1	1	1	1	1	1	1	1	1	1	1
LO 3	2	2	1	1	1	1	1	1	1	1	1	1	1
LO 4	2	1	1	2	1	1	1	1	1	1	1	1	1
LO 5	2	1	1	2	1	1	1	1	1	1	1	1	1
LO 6	2	1	1	1	1	1	1	1	1	1	1	1	1
LO 7	2	2	1	1	1	1	1	1	1	1	1	1	1
LO 8	2	1	1	1	1	2	1	1	1	1	1	1	1
LO 9	1	2	1	1	1	2	1	1	1	1	1	1	1
LO 10	2	3	1	1	1	2	1	1	1	1	1	1	1
LO 11	2	3	1	1	1	2	1	1	1	1	1	1	1
LO 12	2	2	1	1	1	2	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	30	1	30
Preparation for the Course	30	0,5	15
Preparation for the Committee Exam	1	10	10

Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	10	10
Final Theoretical Exam	1	1	1
		Total Workload	67
		Total Workload / 30	67/30
		ECTS Credits	~2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC400	Compulsory	CS2	Color and Esthetics

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
16	0	1	

Aim of the Committee
Explaining the science of color and the etiology of discoloration, teaching treatment options and restorative materials in discolored teeth, explaining aesthetic criteria and teaching multidisciplinary perspectives in the treatment planning of teeth that need to be restored for aesthetic purposes.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	recognize the color components and list the visual color selection steps.
LO 2		list the criteria used in aesthetic analysis and select the appropriate illusion technique for the case.
LO 3		define the etiology of color changes observed in dental hard tissues, relate methods and materials used in treatment according to indications.
LO 4		distinguish the indications of direct and indirect laminate veneer restorations, select materials and explain the application steps.
LO 5		decide on the periodontal treatment method used in aesthetic applications.

Committee Outline		
Department	**Subject Title**	**Hour**
Prosthetic Dentistry	Colour and colour measurement methods	2
	Esthetic analysis and illusion techniques	2
Restorative Dentistry	Etiology of tooth discolorations	1
	Bleaching of vital teeth	2
Endodontics	Bleaching of devital teeth	1
Restorative Dentistry	Non-bleaching approaches in the treatment of discoloration	1
	Composite laminate veneers	2
Prosthetic Dentistry	Ceramic laminate veneers	2
Periodontology	Gingival aesthetics (gingivectomy and gingivoplasty)	1
	Aesthetic periodontal surgery	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
	Observation	x	Problem / Problem Solving		Brainstorming

Committee References	
1	Berman LH, Hargreaves KM (2020). Cohen's pathways of the pulp-e-book. Elsevier Health Sciences.
2	Zimmerli B, Jeger F, Lussi A (2010). Bleaching of nonvital teeth. Schweiz Monatsschr Zahnmed, 120(4), 306-13.
3	Paravina RD, Powers JM (2004). Esthetic color training in dentistry. St. Louis: Elsevier Mosby.
4	Paravina RD, Pérez MM, Ghinea R. Acceptability and perceptibility thresholds in dentistry: A comprehensive review of clinical and research applications. J Esthet Restor Dent. 2019 Mar;31(2):103-112.
5	Fradeani M. (2004). Esthetic Rehabilitation In Fixed Prosthodontics. Volume 1: Esthetic Analysis. Quintessence Publishing Co, Inc: Chicago.
6	Lindhe, J. Lang NP (2015). Clinical periodontology and implant dentistry, 8th Ed. ,WB Saunders Company.
7	Newman M, Takei H, Klokkevold P, Carranza F (2019). Clinical Periodontology, 13th Ed., Elsevier
8	Ritter AV, Boushell LW, Walter R (2016). Sturdevant's Art and Science of Operative Dentistry. 7th Edition, Elsevier Health Sciences.

9	Garg N, Garg A (2020). Textbook of Operative Dentistry. 4th Edition, Jaypee Brothers Mediacal Publishers.
10	Lecture notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	4	1	1	3	1	1	1	1	1	1	1	1	1
LO 2	4	1	1	1	1	1	1	1	1	1	1	1	1
LO 3	5	4	1	4	1	1	1	1	1	1	1	1	1
LO 4	5	4	1	5	1	1	1	1	1	1	1	1	1
LO 5	5	5	1	1	1	3	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	15	1	15
Preparation for the Course	15	0,5	7,5
Preparation for the Committee Exam	1	6	6
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	3	3
Final Theoretical Exam	1	1	1
		Total Workload	33,5
		Total Workload / 30	33.5/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC400	Compulsory	CS3	Public Oral Health

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
11	0	1	

Aim of the Committee
Explaining the importance of oral and dental health, developing skills to encourage protective oral and dental habits, and organizing information activities to increase oral and dental health awareness in the society.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	describe the epidemiology of caries and oral diseases in pediatric or adult patients.
LO 2		determine the factors that threaten oral and dental health in child or adult patients and create a patient-specific preventive program.
LO 3		list protective practices for individuals with special needs.

Committee Outline		
Department	**Subject Title**	**Hour**
Pedodontics	Development and eruption of teeth	1
	The relationship between nutrition and caries	1
	Importance of public health	1
	Oral and dental health during pregnancy	1
	Oral and dental health in babies	1
	Tooth brushing techniques	1
	Preventive oral and dental health program	1
	Dental practitioner - assistant cooperation	1
	School programs	1
	Indices used in children in epidemiological research methods	1
	Vaccination practices for school age children	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
	Observation	x	Problem / Problem Solving		Brainstorming

Committee References	
1	Guyatt G, Rennie D, Meade MO, Cook DJ (2008). Users' Guides to the Medical Literature: A Manual for Evidence-Based Clinical Practice. 2nd Edition
2	Soben Peter (2017). Essentials of Public Health Dentistry (Community Dentistry), 6th Ed., Arya Medi Publishing House
3	Lecture notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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

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

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	11	1	11
Preparation for the Course	11	0.5	5.5
Preparation for the Committee Exam	1	5	5
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	3	3
Final Theoretical Exam	1	1	1
		Total Workload	26,5
		Total Workload / 30	26.5/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC400	Compulsory	CS4	Advanced Procedures in Prosthetic Dentistry

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
16	0	1	

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

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	select and discuss the appropriate technique for the fabrication of full ceramic restorations.
LO 2		determine the solution methods of problems that arise over time in fixed and removable prostheses.
LO 3		develop the structural elements of a removable partial denture for treatment.
LO 4		classify cases of removable partial dentures, analyze planning principles.
LO 5		determine the necessity of oral preparation before prosthetic treatment in full and partially edentulous patients and list the application criteria.
LO 6		select the appropriate adhesive bridge type and restorative material according to the case.
LO 7		list the indications and explain the applications of simple and complex prosthetic restorations applied in different edentulous cases.

Committee Outline		
Department	**Subject Title**	**Hour**
Prosthetic Dentistry	Fabrication techniques of full ceramic restorations	1
	Repair in fixed prosthetic restorations	1
	Repair, relining, rebasing in removable prosthetic restorations	1
	Precision attachments	1
	Stress breakers in partial dentures	1
	Immediate prostheses	1
	Oral examination and preprotetic preparations in complete dentures	1
	Clinical examination and mouth preparation in partial dentures	1
	Planning in RPD (Class II-II)	2
	Planning in RPD (Class III-IV)	2
	Overdentures	1
	Adhesive restorations	1
	Single complete dentures	1
	Soft relining materials and tissue conditioners	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
	Observation	x	Problem / Problem Solving		Brainstorming

Committee References	
1	Thompson VP. (2017). Whence the Maryland Bridge? The evolution of the adhesive bridge. Dental Historian: Lindsay Club Newsletter, 62 (1), 9-14.
2	Lecture notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	5	1	1	5	1	1	1	1	1	1	1	1	1
LO 2	5	1	1	1	1	3	1	1	1	1	1	1	1
LO 3	5	1	1	1	1	1	1	1	1	1	1	1	1
LO 4	5	1	1	5	1	3	1	1	1	1	1	1	1
LO 5	5	1	1	1	1	4	1	1	1	1	1	1	1
LO 6	5	1	1	5	1	3	1	1	1	1	1	1	1
LO 7	5	1	1	1	1	3	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**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	4	4
Final Theoretical Exam	1	1	1
		Total Workload	35
		Total Workload / 30	35/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC400	Compulsory	CS5	TMJ, Trauma, and Pain

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
22	0	2	

Aim of the Committee
Teaching the anatomy and pathologies of the temporomandibular joint; explaining the treatment plan of pathologies diagnosed with imaging findings, injury to soft tissues as a result of trauma, diagnosis and treatment methods from simple tooth fracture to complicated jaw fractures; teaching odontogenic and nonodontogenic pain types and approaches.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	define the temporomandibular joint and surrounding anatomical formations.
LO 2		recognize the signs and symptoms of temporomandibular joint diseases, classify their pathologies and select the appropriate imaging method for the preliminary diagnosis.
LO 3		associate medical, non-invasive, surgical and prosthetic treatment options with the disease according to the indication in temporomandibular joint diseases.
LO 4		classify traumatic injuries seen in pedodontic patients and associate them with diagnosis and treatment methods.
LO 5		recognize the signs and symptoms of dental and soft tissue trauma cases and determine the clinical approach.
LO 6		classify the fractures seen in the jaws, define the methods of reduction and fixation.
LO 7		recognize the sources of pain in the head and neck region, explain the approach and treatment methods of the painful patient.

Committee Outline		
Department	**Subject Title**	**Hour**
Anatomy	TMJ and masticatory muscles	1
Dentomaxillofacial Radiology	TMJ pathologies	1
	Imaging techniques for TMJ	1
Oral and Maxillofacial Surgery	Conservative medical and invasive approaches to TMJ diseases	1
Prosthetic Dentistry	Prosthetic approach to TMJ diseases	1
Pedodontics	Introduction to dental trauma, anamnesis, extra and intraoral examination, radiological examination	1
	Classification of dental trauma	1
	Dental injuries and treatments in primary tooth	2
	Dental injuries and treatments in permanent tooth	2
	Types of splints - patient follow-up	1
Endodontics	Dental injury treatments for teeth with closed apex	2
Oral and Maxillofacial Surgery	Classification and symptoms of face and jaw fractures	1
	Maxilla fractures and treatments	1
	Mandibula fractures and treatments	1
Dentomaxillofacial Radiology	Nonodontogenic pain	2
Endodontics	Emergency approaches and pain in endodontics	1
Restorative Dentistry	Dentin hypersensitivity	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
	Observation	x	Problem / Problem Solving		Brainstorming

Committee References

1	European Society of Endodontology (ESE) developed by:, Krastl G, Weiger R, et al. European Society of Endodontology position statement: endodontic management of traumatized permanent teeth. Int Endod J. 2021;54(9):1473-1481.
2	Bourguignon C, Cohenca N, Lauridsen E, et al. International Association of Dental Traumatology guidelines for the management of traumatic dental injuries: 1. Fractures and luxations. Dent Traumatol. 2020;36(4):314-330.
3	Fouad AF, Abbott PV, Tsilingaridis G, et al. International Association of Dental Traumatology guidelines for the management of traumatic dental injuries: 2. Avulsion of permanent teeth. Dent Traumatol. 2020;36(4):331-342.
4	Mallya SM, Lam EWN (2019). White And Pharoah's Oral Radiology. 8th ed. Elsevier, Missouri
5	Rozylo-Kalinowska I, Orhan K (2019). Imaging of the Temporomandibular Joint. 1st ed. Springer, Switzerland.
6	Marto CM, Baptista Paula A, Nunes T, Pimenta M, Abrantes AM, Pires AS, Laranjo M, Coelho A, Donato H, Botelho MF, Marques Ferreira M. Evaluation of the efficacy of dentin hypersensitivity treatments—A systematic review and follow-up analysis. Journal of oral rehabilitation. 2019;46(10):952-90.
7	Aminoshariae A, Kulild JC. Current concepts of dentinal hypersensitivity. Journal of Endodontics. 2021,1;47(11):1696-702.
8	Soares PV, Grippo JO (2020). Noncarious cervical lesions and cervical dentin hypersensitivity: etiology, diagnosis, and treatment. Quintessence Publishing Company.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	3	3	1	1	1	1	1	1	1	1	1	1	1
LO 2	3	3	1	1	1	2	1	1	1	1	1	1	1
LO 3	2	3	1	1	1	2	1	1	1	1	1	1	1
LO 4	3	4	1	1	1	2	1	1	1	1	1	1	1
LO 5	3	4	1	1	1	2	2	1	1	1	1	1	1
LO 6	2	3	1	2	1	2	1	1	1	1	1	1	1
LO 7	3	4	1	1	1	3	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	20	1	20
Preparation for the Course	20	1	20
Preparation for the Committee Exam	1	10	10
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	10	10
Final Theoretical Exam	1	1	1
		Total Workload	62
		Total Workload / 30	62/30
		ECTS Credits	~2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC400	Compulsory	CS5	Advanced Surgical Procedures

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
19	0	1	

Aim of the Committee
Introducing advanced surgical applications in dentistry; teaching the anatomy, radiology, diseases, pathology, and treatments of relevant regions.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	define orthognathic surgery, classify osteotomy methods applied in jaws.
LO 2		list the etiologies of cleft lip and palate, explain the timing of treatment.
LO 3		classify impacted teeth, list the indications and contraindications for extraction, list extraction techniques.
LO 4		recognize biomaterials used in maxillofacial surgery, list augmentation and preprosthetic surgery techniques.
LO 5		classify the types of tooth transplantation, select techniques according to the correct indication.
LO 6		determine the need for apical resection, select the materials and techniques used.
LO 7		recognize the anatomy and pathologies of the paranasal region, differentiate them from odontogenic pathologies and choose the treatment.
LO 8		list the radiological and microscopic diagnostic criteria of salivary gland diseases and tumors, explain their surgical treatment.

Committee Outline		
Department	**Subject Title**	**Hour**
Oral and Maxillofacial Surgery	Orthognathic surgery, osteotomy, distraction	1
	Cleft palate and lip treatments	1
	Impacted teeth (pathogenesis, diagnosis, treatment)	4
	Preprosthetic surgery	1
	Biomaterials (grafts, augmentation)	1
	Autotransplantation, reimplantation	1
Endodontics	Endodontic surgery I	1
Oral and Maxillofacial Surgery	Endodontic surgery I	1
Dentomaxillofacial Radiology	Paranasal sinus anatomy, diseases, and radiology	2
Oral and Maxillofacial Surgery	Maxillary sinus diseases, oroantral communications and their treatments	1
Dentomaxillofacial Radiology	Salivary gland anatomy, diseases, and radiology	2
Oral and Maxillofacial Surgery	Treatments of salivary gland diseases	2
Pathology	Pathology of salivary gland diseases	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
	Observation	x	Problem / Problem Solving		Brainstorming

Committee References	
1	Mallya SM, Lam EWN (2019). White and Pharoah's Oral Radiology. 8th ed. Elsevier, Missouri.
2	Hupp JR, Ellis E, and Tucker MR (2019). Contemporary Oral and Maxillofacial Surgery. 7th edition. Elsevier Inc., Philadelphia, PA.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam

	Practice / 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
LO 1	2	2	1	1	1	2	1	1	1	1	1	1	1
LO 2	2	2	1	1	1	2	1	1	1	1	1	1	1
LO 3	3	3	1	2	1	3	1	1	1	1	1	1	1
LO 4	2	2	1	2	1	2	1	1	1	1	1	1	1
LO 5	2	2	1	1	1	2	1	1	1	1	1	1	1
LO 6	3	3	1	2	1	2	1	1	1	1	1	1	1
LO 7	2	3	2	1	1	2	1	1	1	1	1	1	1
LO 8	2	3	2	1	1	2	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation

Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	19	1	19
Preparation for the Theoretical Course	19	0,5	9,5
Preparation for the Committee Exam	1	8	8
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	4	4
Final Theoretical Exam	1	1	1
		Total Workload	42,5
		Total Workload / 30	42.5/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC400	Compulsory	CS7	Orofacial Infections and Malignancies

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
77	0	5	

Aim of the Committee
Explaning the anatomical formations in the head and neck region and routes of infection spread, diagnosis and treatment methods of simple and complicated odontogenic infections.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	describe the anatomical structures of the head and neck and list their innervation and vascularization.
LO 2		relate important potential spaces in the head and neck region in terms of infection spread.
LO 3		describe odontogenic infections and explain their spread.
LO 4		list primary and secondary site infections and recognize their complications.
LO 5		explain surgical and antimicrobial treatment of odontogenic infection.
LO 6		distinguish the clinical and microscopic findings of soft tissue lesions of the oral mucosa and surrounding tissues.
LO 7		recognize radiopaque and radiolucent lesions in the maxillofacial region and explain their clinical, radiographic, and pathologic features.
LO 8		describe the general characteristics of benign and malignant tumors, list the basic criteria used in their differentiation and their microscopic features.
LO 9		describe the biopsy and treatment of oral mucosal lesions, jaw cysts, and tumors.
LO 10		distinguish the clinical features of inflammatory diseases of the jaws, describe the treatment methods of osteomyelitis.

Committee Outline

Department	Subject Title	Hour
Anatomy	Arteries and veins of the face and neck region	1
	Regio frontalis, regio occipitalis, regio parietalis	1
	Regio temporalis	1
	Regio periorbitalis	1
	Regio perioralis and buccalis	1
	Regio mentalis and superficial neck region	1
	Soft tissues of the face and superficial musculoaponeurotic system	1
	Cavitas oris	2
	Regio pharyngea	1
	Neck fascias and neck triangles	1
	Root of the neck	2
	Regio infratemporalis	1
	Regio pterygopalatina	1
	Parotid region	1
	Potential spaces and routes of infection spread in the head and neck region	2
	N. trigeminus	1
	N. facialis	1
Oral and Maxillofacial Surgery	Pathophysiology and spread of odontogenic infection	1
	Concepts of inoculation, cellulitis, abscess in odontogenic infection	2
	Odontogenic infection severity and host resistance	1
	Surgical treatment in odontogenic infection	2
	Antimicrobial therapy in odontogenic infection	1
	Patient follow-up in odontogenic infection	1
	Complicated odontogenic infections: primary space infections	2
	Complicated odontogenic infections: secondary space infections	2
	Odontogenic sinusitis, Ludwig angina, necrotizing fasciitis	1
	Odontogenic infection complications	1
Oral and Maxillofacial Surgery	Biopsy	1

Dentomaxillofacial Radiology	White lesions of the oral mucosa	1
Pathology	Pathology of white lesions of the oral mucosa	2
Dentomaxillofacial Radiology	Red lesions of the oral mucosa	1
Pathology	Pathology of red-blue lesions of the oral mucosa	1
Dentomaxillofacial Radiology	Vesiculobullous lesions of the oral mucosa	2
Pathology	Pathology of vesiculobullous diseases of the oral mucosa	1
Dentomaxillofacial Radiology	Ulcerative lesions of the oral mucosa	1
Pathology	Pathology of ulcerative lesions of the oral mucosa	2
Dentomaxillofacial Radiology	Pigmented lesions of the oral mucosa	1
Pathology	Pathology of pigmented lesions of the oral mucosa	2
Oral and Maxillofacial Surgery	Treatments of oral mucosal lesions	2
Dentomaxillofacial Radiology	3D imaging methods of lesions in the jaws	1
	Odontogenic cysts	1
	Nonodontogenic cysts and pseudocysts	1
Pathology	Pathology of cystic lesions developing in the jaws and neck	2
Oral and Maxillofacial Surgery	Cysts and their treatments	2
Dentomaxillofacial Radiology	Benign odontogenic and nonodontogenic tumors	1
Pathology	Pathology of odontogenic tumors	1
	Pathology of nonodontogenic tumors of the jaw bones	1
Dentomaxillofacial Radiology	Malignancies of the jaws	1
Pathology	Pathology of oral benign and malignant epithelial tumors	2
Oral and Maxillofacial Surgery	Odontogenic tumor treatments	1
Dentomaxillofacial Radiology	Osteomyelitis and osteonecrosis	1
Pathology	Pathology of pulpal, periapical, periodontal pathologies and osteomyelitis	1
Oral and Maxillofacial Surgery	Inflammatory diseases of the jaws, infection, osteomyelitis and treatments	2
Pathology	Pathology of connective tissue lesions in the mouth	1
	Pathology of lymphoid tumors in the mouth	1
	AIDS and oral pathologies	1
Dentomaxillofacial Radiology	Fibroosseous lesions	1
	Metabolic bone diseases	1
Pathology	Pathology of genetic and metabolic diseases	1
	Pathology of bone-joint diseases and soft tissue tumors	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
	Observation	x	Problem / Problem Solving		Brainstorming

Committee References	
1	Drake RL (2018). Grays Anatomi Öğrenciler için, 3. Baskı, Nobel Tıp Kitapevi.
2	Cumhur M (2020). Fonksiyonel Anatomi: Baş, Boyun ve İç Organlar, 11. Baskı, ODTÜ Yayıncılık.
3	Odell EW (2017). Cawson's Essentials of Oral Pathology and Oral Medicine. 9th edition. Elsevier Inc., London.
4	Regezi JA, Sciubba J, Jordan RCK (2017). Oral Pathology: Clinical Pathologic Correlations, 7th Edition, Elsevier, Missouri
5	Kumar V, Abbas A, Aster JC (2021). Robins & Cotran Pathologic Basis of Disease,10th Edition , Elsevier, Philadelphia.
6	Langlais RP, Miller CS, Jill S (2020). GehrigColor Atlas of Common Oral Diseases. 5th Edition. Jones & Bartlett Learning, LLC.
7	Malamos D, Scully C (2020). Clinical Guide to Oral Diseases. 1st Edition. Wiley-Blackwell
8	Mallya SM, Lam EWN (2019). White And Pharoah's Oral Radiology: Principles and Interpretation. 8th ed. Elsevier, Missouri
9	Glick M, Greenberg MS, Lockhart PB, Challacombe SJ (2021). Burket's Oral Medicine. 13th ed. Wiley Blackwell Yayıncılık, USA.
10	Cardesa A, Slootweg PJ, Gale N, Franchi A (2016). Pathology of the Head and Neck. 2nd ed. Springer Yayıncılık, e-book.
11	Prabhu SR (2022). Handbook of Oral Pathology and Oral Medicine. 1st ed. Wiley Blackwell, USA.
12	Odell EW (2017). Cawson's Essentials of Oral Pathology and Oral Medicine. 9th edition. Elsevier Inc., London.
13	Gaudin E, Seidel L, Bacevic M, Rompen E, Lambert F. Occurrence and risk indicators of medication-related osteonecrosis of the jaw after dental extraction: a systematic review and meta-analysis. Journal of Clinical Periodontology, 2015;42(10), 922–932.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project

	Laboratory		Homework		Midterm exam		
	Practice / 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
LO 1	4	4	1	1	1	1	1	1	1	1	1	1	1
LO 2	4	4	1	1	1	1	1	1	1	1	1	1	1
LO 3	5	5	2	1	1	3	1	1	1	1	1	1	1
LO 4	4	4	2	1	1	3	1	1	1	1	1	1	1
LO 5	5	5	4	1	1	4	1	1	1	1	1	1	1
LO 6	3	4	1	1	1	1	1	1	1	1	1	1	1
LO 7	3	4	1	1	1	1	1	1	1	1	1	1	1
LO 8	2	4	1	1	1	1	1	1	1	1	1	1	1
LO 9	2	4	1	1	1	1	1	1	1	1	1	1	1
LO 10	2	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

Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	77	1	77
Preparation for the Theoretical Course	77	0,5	38,5
Preparation for the Committee Exam	1	12	12
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	10	10
Final Theoretical Exam	1	1	1
		Total Workload	139,5
		Total Workload / 30	139.5/30
		ECTS Credits	~5

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC400	Compulsory	BS	Biostatistics and Ethics

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
45	0	3	

Aim of the Committee
Teaching the criteria, graphs, and tests used in statistical analysis; explaining the moral and ethics of medicine, the rights and responsibilities of the dental profession; explaining the concepts of patient rights and malpractice.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	select appropriate basic statistical analyses.
LO 2		analyze statistical tests and calculations.
LO 3		define the concepts of deontology, ethics, and morality.
LO 4		relate physician-patient relationships, empathy, patient privacy issues with dental practice.
LO 5		list the ethical and legal rights and responsibilities of the dental profession, decide on practical applications by associating them with patient rights and informed consent in a way to protect the dignity of the profession.
LO 6		follow national and international organizations related to health, their aims and objectives, and relate their relations with colleagues and other health professionals on an ethical plane.
LO 7		define malpractice and explain its content.
LO 8		list ethical and scientific concepts in research and associate them with health care practices.

Committee Outline

Department	Subject Title	Hour
Biostatistics	Introduction to statistics and biostatistics	2
	Descriptive statistics	2
	Frequency tables and univariate graph	2
	Crosstabs, bivariate and multivariate graphing	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 tests 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	Deontology, ethics, moral concepts	1
	Physician-patient relationship, empathy	1
	Ethical approaches/theories, medical ethical principles	1
	Professional ethics, physician's rights, duties and responsibilities	1
	Medical ethics rules, medical deontology regulation	1
	World Medical Association Declarations, Hippocratic Oath, Oath of Medicine	1
	Ethical dilemmas	1
	Patient rights and informed consent	1
	Malpractice (medical malpractice)	1
	Patient privacy and ethics	1
	Ethical approach to the patient with an infectious disease	1
	Research and publication ethics	1
	Animal experiments, ethics and bioethics	1
	Social discrimination and dentistry	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
x	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
	Observation	x	Problem / Problem Solving		Brainstorming

Committee References	
1	Sümbüloglu K & Sümbüloğlu V (2010). Biyoistatistik. Hatiboğlu Yayınevi, Ankara.
2	Özdamar K (2013). SPSS ile Biyoistatistik. Nisan Kitabevi, Eskişehir.
3	Alpar R (2014). Spor, Sağlık ve Eğitim Bilimlerinden Örneklerle Uygulamalı İstatistik ve Geçerlik-Güvenirlik. Detay Yayıncılık, Ankara.
4	FDI World Dental Federation (2007). Dental Ethics Manual, Ferney-Voltaire, France.
5	FDI World Dental Federation (2018). Dental Ethics Manual 2, Quintessence Publishing, London, UK.
6	Lecture notes.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	1	1	1	1	1	1	1	1	1	1	5	1	1
LO 2	1	1	1	1	1	1	1	1	1	1	5	1	1
LO 3	1	1	1	1	5	1	1	1	4	4	1	1	1
LO 4	1	1	1	1	5	1	1	1	4	4	1	1	1
LO 5	1	1	1	1	5	1	1	1	4	4	1	1	1
LO 6	1	1	1	1	5	1	1	1	4	4	1	1	1
LO 7	1	1	1	1	5	1	1	1	3	4	1	1	1
LO 8	1	1	1	1	5	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	44	1	44
Preparation for the Theoretical Course	44	0,5	22
Preparation for the Committee Exam	1	5	5
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	4	4
Final Theoretical Exam	1	1	1
		Total Workload	77
		Total Workload / 30	77/30
		ECTS Credits	~3

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC400	Compulsory	BMS	Oral Microbiology and Biochemistry

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
22	0	1	

Aim of the Committee

Establishing the microbiological foundations for protecting oral health and understanding oral infections, explaining the structure, functions and effects of the oral microbiota, examining the microbiological roots of important oral health problems such as tooth decay, periodontal infections, bad breath, and teaching microbiological approaches to prevent and treat these problems.

Learning Outcomes

LO 1	*After the completion of this committee, student will be able to ...*	define the importance of oral microbiota by understanding the basic concepts of oral microbiology.
LO 2		explain the diversity and functions of microorganisms in the oral cavity.
LO 3		evaluate the effects of oral microbiota on human health.
LO 4		recognize microorganisms such as anaerobes and aerobes that play a role in the formation of dental caries.
LO 5		explain the basic microbiological processes of caries formation, such as plaque formation and acid production.
LO 6		evaluate microbiological strategies for the prevention and treatment of dental caries.
LO 7		describe tissue damage and tooth loss caused by periodontal infections.
LO 8		list the microbiological origins of periodontal diseases and the microbiological methods used for the prevention and treatment of these diseases.
LO 9		evaluate the importance of microbiological approaches in protecting oral hygiene and dental health.

Committee Outline

Department	Subject Title	Hour
Microbiology	Introduction to oral microbiology	1
	Microbial flora and oral microflora	1
	Anaerobes and anaerobism	1
	Adherence in oral bacteria	1
	Microbiology of decay	1
	Periodontal infections	1
	Microbiology of pulpitis	1
	Other infections of the mouth	1
	Cross infections in dentistry	1
Biochemistry	Oral tissues	1
	Structure of enamel, dentin, and cementum	2
	Inorganic structure of bone and teeth	1
	Saliva	2
	Bacterial plaque	2
	Bacterial metabolism and organic acid synthesis in plaque	1
	Tongue stone (Tartar)	1
	Biochemistry of decay	2
	Halitosis	1

Learning and Teaching Techniques of the Committee

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

Committee References

1	Lecture notes.

Quantification and Consideration

x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practice / 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
LO 1	5	3	1	1	1	4	1	1	1	1	1	1	1
LO 2	5	3	1	1	1	4	1	1	1	1	1	1	1
LO 3	5	3	1	1	1	4	1	1	1	1	1	1	1
LO 4	5	3	1	1	1	4	1	1	1	1	1	1	1
LO 5	5	3	1	1	1	4	1	1	1	1	1	1	1
LO 6	5	3	1	1	1	4	1	1	1	1	1	1	1
LO 7	5	3	1	1	1	4	1	1	1	1	1	1	1
LO 8	5	3	1	1	1	4	1	1	1	1	1	1	1
LO 9	5	3	1	1	1	4	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	22	1	22
Preparation for the Theoretical Course	22	0,5	11
Preparation for the Committee Exam	1	3	3
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	4	4
Final Theoretical Exam	1	1	1
		Total Workload	42
		Total Workload / 30	42/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR401	Compulsory	Oral and Maxillofacial Surgery

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
60	4	

Aim of the Clinical Rotation
Teaching the approach to patient in the clinical setting, following the medical and dental anamnesis, extraoral-intraoral examination, radiographic evaluation taught in the surgical theory courses; clinically observing and making the indication for surgery in appropriate cases; planning the procedure after the correct indication and performing simple tooth extractions; recognizing the clinical instruments and observing advanced surgical operations.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	take anamnesis from the patient and determine the appropriate treatment plan.
LO 2		observe and apply maxillary and mandibular anesthesia techniques.
LO 3		pre-operatively prepare the patient for extraction, distinguish the surgical instruments to be used and apply tooth extraction.
LO 4		explain to the patient what to do after tooth extraction.
LO 5		observe advanced surgical procedures.

Clinical Rotation Outline	
Department	**Practice Title**
Oral and Maxillofacial Surgery	Introduction to the surgery clinic and introduction of surgical instruments
	Taking dental and medical history from the patient
	Confirmation of diagnosis with clinical and radiographic examination
	Determination of pre-operative approaches to the patient
	Application of anesthesia
	Simple tooth extraction
	Explaining postoperative care to the patient

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Miloro M, Ghali GE, Larsen PE, Waite P (2022). Peterson's Principles of Oral and Maxillofacial Surgery. Springer, Cham, Switzerland.
2	Hupp JR, Ellis E, and Tucker MR (2019). Contemporary oral and maxillofacial surgery. 7th ed. Elsevier Inc., Philadelphia, PA.
3	Moore UJ (2011). Principles of oral and maxillofacial surgery. 6th ed. Wiley-Blackwell, West Sussex, UK.

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework	x	Clinical Exam
x	Practice / Implementation		Presentation	x	Clinical Final 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
LO1	5	5	4	1	4	4	1	1	4	5	1	1	1
LO2	5	2	4	4	4	3	1	4	1	1	1	1	1
LO3	5	5	4	5	4	4	1	4	1	1	1	1	1

LO4	4	4	2	1	1	1	1	1	1	1	1	1	1
LO5	4	4	4	4	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	60	60
Preparation for the clinical rotation	1	15	15
Preparation for the clinical rotation exam	1	20	20
Clinical rotation exam	1	1	1
Preparation for the final exam	1	15	15
Final exam	1	1	1
		Total Workload	112
		Total Workload / 30	112/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR402	Compulsory	Dentomaxillofacial Radiology

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
60	4	

Aim of the Clinical Rotation
To communicate with the patient by synthesizing the theoretical lessons taken in the preclinical courses, to apply their knowledge practically and to prepare the appropriate diagnosis and treatment planning

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	take dental and medical anamnesis of the patient.
LO 2		select the examination method to be applied to the patient.
LO 3		select the appropriate radiography technique (intraoral radiography techniques and panoramic radiography) for the patient and apply it under supervision.
LO 4		relate the radiographs taken from the patient and clinical examination findings and create an initial treatment plan.
LO 5		distinguish oral manifestations of systemic diseases and explain the appropriate dental approach.
LO 6		explain the treatment plan to the patient.

Clinical Rotation Outline	
Department	**Practice Title**
Dentomaxillofacial Radiology	Taking the patient's complaint and anamnesis
	Performing intraoral examination of the patient and choosing the appropriate radiography technique
	Taking the radiograph of the patient in the radiology clinic
	Diagnosis of the patient with clinical examination and radiography
	Preparation of the patient's treatment plan and determination of the procedure sequence
	Appropriate explanation of treatment planning to the patient

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Mallya SM, Lam EWN (2019). White And Pharoah's Oral Radiology: Principles and Interpretation. 8th ed. Elsevier, Missouri
2	Glick M, Greenberg MS, Lockhart PB, Challacombe SJ (2021). Burket's Oral Medicine. 13th ed. Wiley Blackwell Yayıncılık, USA.
3	Özcan İ (2017). Diş Hekimliğinde Radyolojinin Esasları Konvansiyonelden-Dijitale. 1. baskı. İstanbul Medikal Sağlık ve Yayıncılık, İstanbul
4	Özcan İ (2022). Multidisipliner Prensiplerle Oral Diagnoz. 1. baskı, İstanbul Yayıncılık, İstanbul

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework	x	Clinical Exam
x	Practice / Implementation		Presentation	x	Clinical Final 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
LO1	2	3	3	1	1	1	1	1	1	1	1	1	1
LO2	3	1	1	1	1	1	1	1	1	1	1	1	1

LO3	4	2	1	4	1	1	1	2	1	1	1	1	1
LO4	5	5	1	2	1	1	1	1	1	1	1	1	1
LO5	3	2	5	1	1	4	1	1	1	1	1	1	1
LO6	4	1	1	1	1	1	1	1	3	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	60	60
Preparation for the clinical rotation	1	15	15
Preparation for the clinical rotation exam	1	20	20
Clinical rotation exam	1	1	1
Preparation for the final exam	1	15	15
Final exam	1	1	1
		Total Workload	112
		Total Workload / 30	112/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR403	Compulsory	Endodontics

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
60	4	

Aim of the Clinical Rotation
Teaching the diagnosis and treatment planning, vital pulp treatments and root canal treatment applications in patients who apply for endodontic treatment, following the medical and dental status evaluation.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	take the patient's medical and dental anamnesis, performing clinical and radiological examination, making the correct diagnosis in terms of endodontics and planning the treatment.
LO 2		perform endodontic imaging procedures and local anesthesia applications.
LO 3		perform the rubber dam isolation on the patient.
LO 4		perform direct and indirect pulp capping treatments.
LO 5		perform root canal treatment of single rooted teeth under supervision.

Clinical Rotation Outline	
Department	**Practice Title**
Endodontics	Taking the anamnesis of the patient with endodontic complaint
	Application of endodontically appropriate clinical and radiographic examination methods and tests
	Evaluating the data after the anamnesis and examination and making the correct diagnosis
	Determining and explaining the endodontic treatment plan to the patient
	Local anesthesia application and placement of rubber dam for endodontic treatment
	Performing direct and indirect pulp capping treatments
	Root canal treatment in single-rooted teeth under supervision
	Providing necessary information to the patient after the treatment

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Chong BS (2017) Harty's Endodontics in Clinical Practise. 7th Edition. Elsevier, China.
2	AAE Endodontics Colleagues Endodontic Diagnosis (www.aae.org/collegues)
3	Torabinajad M, Fouad AF, Shabahang S (2021). Endodontics Principles and Practise. 6th ed., Elsevier.

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework	x	Clinical Exam
x	Practice / Implementation	x	Presentation	x	Clinical Final 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
LO1	5	5	1	4	1	1	1	1	1	1	3	1	1
LO2	4	3	1	3	1	1	1	3	1	1	1	1	1

LO3	3	2	1	4	1	1	1	2	1	1	1	1	1
LO4	5	3	1	4	1	4	1	1	3	1	1	1	1
LO5	5	4	2	4	1	4	1	1	3	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	60	60
Preparation for the clinical rotation	1	15	15
Preparation for the clinical rotation exam	1	20	20
Clinical rotation exam	1	1	1
Preparation for the final exam	1	15	15
Final exam	1	1	1
		Total Workload	112
		Total Workload / 30	112/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR404	Compulsory	Orthodontics

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
30	2	

Aim of the Clinical Rotation
Teaching the materials used in the orthodontic clinic, the areas of use of the appliances and different orthodontic impression methods, and the application of cephalometric film, model and dental photo analysis.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	explain the ideal relationship between the lower and upper jaw teeth.
LO 2		recognize the materials and instruments used in the clinic and prepare an orthodontic model.
LO 3		plan and implement cases that can be treated with simple removable appliances.
LO 4		change the archwire, elastic and ligatures under supervision during the control sessions.
LO 5		distinguish different treatment approaches according to orthodontic malocclusion types.

Clinical Rotation Outline	
Department	**Practice Title**
Ortodontics	Performing orthodontic examination of the patient
	Discussion of the patient's clinical and radiographic findings from an orthodontic point of view
	Evaluation of the patient after anamnesis and examination
	Planning the patient's treatment
	Teaching the steps to be followed in the brace application session
	Performing routine orthodontic controls
	Taking the appliance impression and applying it to the patient

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Ülgen M (2015). Ortodonti Anomaliler, Sefalometri, Etioloji, Büyüme ve Gelişim, Tanı. 5. baskı. Yurtmim Yayıncılık
2	Proffit W, Fields H (2018). Contemporary Orthodontics. 6th ed. Elsevier Publishing.

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory	x	Homework	x	Clinical Exam
x	Practice / Implementation		Presentation	x	Clinical Final 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
LO1	5	4	1	4	1	1	1	1	1	2	1	1	1
LO2	2	1	1	5	1	1	1	1	1	3	1	1	1
LO3	5	4	1	4	1	3	1	1	1	3	1	2	1
LO4	4	4	1	4	1	3	1	1	1	3	1	2	1
LO5	4	4	1	3	1	3	1	1	1	1	1	2	1

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

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	30	30
Preparation for the clinical rotation	1	10	10
Clinical rotation homework	1	10	10
Preparation for the final exam	1	10	10
Final exam	1	1	1
		Total Workload	61
		Total Workload / 30	61/30
		ECTS Credits	2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR405	Compulsory	Pedodontics

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
60	4	

Aim of the Clinical Rotation
Teaching the basic principles of oral and dental health protection and treatment planning of pediatric patients and developing applied clinical skills.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	evaluate oral findings and radiological findings in pediatric patients and make a preventive and restorative treatment plan.
LO 2		explain the differences of preventive treatment plan according to age groups and caries risk in pediatric patients.
LO 3		explain the differences of restorations according to age groups in pediatric patients.
LO 4		information and brushing education to parents of sick children regarding the child's overall oral health
LO5		education age-appropriate brushing to both the child patient and their parents

Clinical Rotation Outline	
Department	**Practice Title**
Pedodontics	Establishing effective communication with pediatric patients and their parents
	Taking the patient's dental and medical history
	Performing intraoral examination of the patient and deciding on the appropriate radiography technique for the case
	Diagnosis with clinical and radiographic evaluation
	Determining the patient's treatment priorities and procedure sequence
	Application of preventive treatments such as fluoride and fissure sealant to the patient
	Administering local anesthesia under supervision and performing simple restorative procedures on the patient
	Explaining to the patient and their parents what needs to be done to maintain oral and dental health.
	Providing age-appropriate brushing education to the child patient and their parents.

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Dean J (2021). McDonald and Avery's Dentistry for the Child and Adolescent. 11th Edition. Elsevier, Amsterdam.
2	Nowak A (2018). Pediatric Dentistry Infancy Through Adolescence. 6th Edition. Elsevier, Amsterdam.
3	Coelho-Leal S, Takeshita EM (2019). Pediatric Restorative Dentistry. Springer, Switzerland.
4	Lecture notes

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework	x	Clinical Exam
x	Practice / Implementation		Presentation	x	Clinical Final 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
LO1	5	3	3	1	1	1	1	1	1	3	1	1	1
LO2	5	4	1	3	1	3	1	1	2	3	1	1	1
LO3	5	4	1	3	1	3	1	1	2	3	1	1	1
LO4	2	1	1	1	1	1	3	1	2	1	1	1	1
LO5	2	1	1	1	1	1	3	1	2	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	60	60
Preparation for the clinical rotation	1	15	15
Preparation for the clinical rotation exam	1	20	20
Clinical rotation exam	1	1	1
Preparation for the final exam	1	15	15
Final exam	1	1	1
		Total Workload	112
		Total Workload / 30	112/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR406	Compulsory	Periodontology

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
30	2	

Aim of the Clinical Rotation
Teaching the diagnosis of periodontal health and disease conditions clinically and radiographically and teaching phase 1 perioontal treatment steps, performing periodontal risk assessment and prognosis determination.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to …*	distinguish periodontal health from disease, distinguish changes in the periodontium in the elderly and children.
LO 2		diagnose periodontal diseases, distinguish gingivitis and periodontitis, make classifications and treatment planning of periodontal diseases.
LO 3		perform phase 1 periodontal treatment, inform the patient about the need for periodontal surgery and what treatments can be done.
LO 4		apply scaling - polishing, SRP treatments, information and tooth brushing education and interface cleaning.
LO 5		clinically distinguish the predisposing factors in periodontal diseases and provide referral to the relevant clinic.

Clinical Rotation Outline	
Department	**Practice Title**
Periodontology	Clinical and radiographic evaluation of the patient's periodontal tissues
	Informing the patient about his clinical condition
	Diagnosis of periodontal disease after clinical and radiographic examination
	Periodontal risk assessment and prognosis determination
	Performing the "calculus removal-polishing, scaling root planning (SRP)" treatments included in the Phase 1 periodontal treatment of the patient
	Demonstration of oral hygiene on the model to the patient after the calculus removal and polishing procedure

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study	x	Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Newman M, Takei H, Klokkevold P, Carranza F (2019). Clinical Periodontology, 13th Ed.Elsevier
2	Çağlayan G. (2018). Periodontoloji ve İmplantoloji, Quintessence Yayınları, Türkiye.
3	Lindhe J, Lang NP (2015). Clinical periodontology and implant dentistry, 8th ed, WB Saunders Company.
4	Lecture notes

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework	x	Clinical Exam
x	Practice / Implementation		Presentation	x	Clinical Final 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
LO1	5	5	3	3	1	2	1	1	3	1	1	1	1

LO2	4	4	3	3	1	2	1	1	3	1	1	1	1
LO3	5	5	1	3	1	2	1	1	3	1	1	1	1
LO4	4	4	1	5	1	4	1	1	5	1	1	1	1
LO5	5	5	1	5	1	5	1	1	3	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	30	30
Preparation for the clinical rotation	1	10	10
Preparation for the clinical rotation exam	1	10	10
Clinical rotation exam	1	1	1
Preparation for the final exam	1	10	10
Final exam	1	1	1
		Total Workload	62
		Total Workload / 30	62 / 30
		ECTS Credits	~2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR407	Compulsory	Prosthodontics

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
60	4	

Aim of the Clinical Rotation
Preparing the diagnosis and treatment plan following the evaluation of medical and dental status in patients who apply for prosthetic dental treatment for aesthetic or functional reasons, making material selection for the restoration of lost tissues, teaching the stages of fixed and total prosthesis.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to …*	evaluate the patient who applied to the clinic due to chewing, phonation or aesthetic problems.
LO 2		decide on prosthetic diagnosis and appropriate treatment, discuss treatment methods.
LO 3		explain the possible treatment of the patient in his/her own words on the radiographic film.
LO 4		apply impression taking from the patient and cementation.
LO 5		distinguish the right material selection in impression and cementation processes.
LO 6		prepare oral records for proper transfer to the laboratory and communicate with the laboratory.

Clinical Rotation Outline	
Department	**Practice Title**
Prosthodontics	Clinical and radiographic evaluation of the patient
	Determining the prosthetic treatment approach for the patient and explaining it to the patient
	Observation of advanced prosthetic treatment applications
	Documenting the prosthetic treatment protocols applied to the patient by the physician as a written report, preparing a patient file
	Informing the patient with fixed prosthetic restoration indication about prosthetic material options
	Observation of tooth preparation in a patient with fixed prosthetic restoration indication
	Retraction
	Taking impression of the prepared jaw by conventional technique
	Taking the bite impression from the unprepared opposing jaw by conventional technique
	Taking impression of the jaw including the preparation site for the fabrication of temporary restoration
	Cementation of temporary restoration
	Checking the coping (metal or zirconia) and choosing the color for the veneering ceramic
	Intraoral control and cementation of permanent restoration
	Taking impression with prefabricated tray for individualized tray making from a patient with complete denture indication
	Taking impression with an individualized tray from a patient with complete denture indication
	Base plate-wax rim control in complete dentures
	Realization of the tooth-arrangement rehearsal
	Occlusion control in complete dentures and delivery to the patient

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Shillingburg HT, Sather DA, Wilson EL, Cain JR, Mitchell DL, Blanco LJ, Kessler JC (2012). Fundamentals of fixed prosthodontics. 4th
2	Gray R, Al-Ani Z (2021). Temporomandibular Disorders : A Problem-Based Approach. 2nd ed. Wiley-Blackwell

3	Okeson JF (2019). Management of Temporomandibular Disorders and Occlusion. 8th ed. Mosby
4	Gray R, Al-Ani Z (2021). Temporomandibular Disorders : A Problem-Based Approach. 2nd ed. Wiley-Blackwell
5	Okeson JF (2019). Management of Temporomandibular Disorders and Occlusion. 8th ed. Mosby

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework	x	Clinical Exam
x	Practice / Implementation	x	Presentation	x	Clinical Final 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
LO1	5	4	4	1	3	4	1	1	1	4	1	1	1
LO2	5	4	4	4	4	4	1	1	3	1	1	1	1
LO3	5	4	4	2	2	4	1	1	4	1	1	1	1
LO4	4	2	1	4	3	4	1	1	1	1	1	1	1
LO5	5	1	1	5	1	4	1	1	1	1	1	1	1
LO6	2	2	1	4	1	2	2	5	5	4	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	60	60
Preparation for the clinical rotation	1	15	15
Preparation for the clinical rotation exam	1	20	20
Clinical rotation exam	1	1	1
Preparation for the final exam	1	15	15
Final exam	1	1	1
		Total Workload	112
		Total Workload / 30	112/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR408	Compulsory	Restorative Dentistry

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
60	4	

Aim of the Clinical Rotation
Making diagnosis and treatment planning following the evaluation of medical and dental status in patients applying for restorative dental treatment and teaching treatment applications related to the restoration of lost tissues.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	take the patient's medical and dental anamnesis, perform clinical and radiological examination, make the correct diagnosis in terms of restorative dentistry and plan the treatment.
LO 2		perform restorative imaging procedures and local anesthesia applications.
LO 3		select suitable materials for restoration.
LO 4		perform matrix and wedge application in Class II and Class III cavities.
LO 5		apply Class IV aesthetic restoration stages.
LO 6		apply the finishing and polishing stages of restorations.

Clinical Rotation Outline	
Department	**Practice Title**
Restorative Dentistry	Restorative examination of the patient
	Preparation of the cavity necessary for the restoration of lost dental tissues.
	Selection of suitable materials for restoration
	Application of matrix and wedge in approximal cavities
	Aesthetic restoration application stages and polish

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Ritter AV, Boushell LW, Walter R (2016). Sturdevant's Art and Science of Operative Dentistry. 7th ed. Elsevier Health Sciences.
2	Terry DA, Geller W (2018). Esthetic and Restorative Dentistry: Material Selection and Technique 3rd ed. Quintessence Publishing
3	Ricketts D, Bartlett D (2013). Advanced Operative Dentistry: A Practical Approach, 1st ed. Churchill Livingstone Elsevier
4	Chu SJ, Devigus A, Paravina R, Mieleszko A (2011). Fundamentals of Color: Shade Matching and Communication in Esthetic Dentistry. 2nd ed. Quintessence Publishing
5	Greenwall L, Freedman GA (2001). Bleaching Techniques in Restorative Dentistry: An Illustrated Guide. 1st ed. Thieme Medical Pub
6	Torres CRG (2020). Modern Operative Dentistry: Principles for Clinical Practice. 1st ed. Springer

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework	x	Clinical Exam
x	Practice / Implementation		Presentation	x	Clinical Final 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
LO1	5	5	2	1	5	4	1	1	4	5	1	1	1

LO2	3	5	4	3	5	4	1	4	1	1	1	1	1
LO3	5	4	2	5	4	4	1	1	1	1	1	1	1
LO4	3	4	2	5	2	4	1	4	1	1	1	1	1
LO5	4	3	2	5	2	4	1	4	1	1	1	1	1
LO6	5	5	2	5	2	4	1	4	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	60	60
Preparation for the clinical rotation	1	15	15
Preparation for the clinical rotation exam	1	20	20
Clinical rotation exam	1	1	1
Preparation for the final exam	1	15	15
Final exam	1	1	1
		Total Workload	112
		Total Workload / 30	112/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
2022-2023 ACADEMIC YEAR COURSE CONTENTS

CODE	COURSE NAME	Pre.	C/E	T	P	ECTS
DTC500	**Year 5 Theoretical Committees**	**DTC400**	Z	**143**	**0**	**8**
	CS1 - Current Approaches and Oral Implantology			25	0	1
	CS2 - Geriatrics and Maxillofacial Prostheses			20	0	1
	CS3 - Quality and Practice Management in Health Services			31	0	2
	CMS1 - Clinical Medical Sciences I			28	0	2
	CMS2 - Clinical Medical Sciences II			39	0	2
Clinical Rotations	DCR501 - Oral and Maxillofacial Surgery	**DTC400 DCR401**	Z	0	80	5
	DCR502 - Dentomaxillofacial Radiology	**DTC400 DCR402**		0	80	5
	DCR503 - Endodontics	**DTC400 DCR403**		0	80	5
	DCR504 - Orthodontics	**DTC400 DCR404**		0	40	3
	DCR505 - Pedodontics	**DTC400 DCR405**		0	80	5
	DCR506 - Periodontology	**DTC400 DCR406**		0	40	3
	DCR507 - Prosthodontics	**DTC400 DCR407**		0	80	5
	DCR508 - Restorative Dentistry	**DTC400 DCR408**		0	80	5
RTP500	Research Techniques and Presentation	-	Z	11	8	4
CSA500	Community Service Aplications	-	Z	16	48	4
ELC***	Elective Course	-	S	2*15	0	4
ELC***	Elective Course	-	S	2*15	0	4
Total				230	616	60

C: Compulsory – E: Elective – CE: Compulsory Elective– T: Theory– P: Practical –ECTS: European Credit Transfer System

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC500	Compulsory	CS-1	Current Approaches and Oral Implantology

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
25	0	1	

Aim of the Committee
Teaching the current approaches and techniques in dentistry, explaining the surgical and prosthetic stages of implant applications begining from diagnosis and imaging, teaching success and failure.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	define the developmental process of dental implantology, list the types and parts of implants.
LO 2		determine the appropriate clinical approach for dental implant applications in terms of radiologic, surgical, and prosthetic aspects.
LO 3		list the success criteria for implantation, diagnose periimplantitis and determine the appropriate treatment approach.
LO 4		list the properties of advanced imaging methods and associate them with their usage areas.
LO 5		list the usage areas and advantages of laser in dentistry.
LO 6		recognize current techniques, devices, and materials used in different areas of dentistry; list their properties.

Committee Outline		
Department	**Subject Title**	**Hour**
Prosthetic Dentistry	Introduction and history of implantology	1
Dentomaxillofacial Radiology	Implant radiology	1
	Imaging methods	1
Periodontology	Tissues surrounding the implant	1
Prosthetic Dentistry	Implant types	1
	Parts of the implant	1
	Prosthetic planning in implantology	1
Oral and Maxillofacial Surgery	Surgical planning	1
	Implant surgery	1
Periodontology	Osteointegration	1
	Periimplantitis and its treatment	1
Dentomaxillofacial Radiology	Ultrasound, MRI and CT	2
Prosthetic Dentistry	CAD/CAM	1
Restorative Dentistry	Laser use in restorative dentistry (hard tissue laser)	2
Periodontology	Laser use in periodontology (soft tissue laser)	2
	Advanced periodontal diagnostic techniques	1
Endodontics	Rotary instruments in endodontics	1
	Use of laser and microscope in endodontics	1
Oral and Maxillofacial Surgery	Current methods and devices used in oral surgery (botox, piezo, prf, laser, cryosurgery, electrosurgery)	2
	Advanced surgical techniques	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
	Discussion		Practice / Implementation		Preparing / Presenting Reports

x	Question & Answer	x	Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Mallya S, Lam E. (2018) White and Pharoah's Oral Radiology Principles and Interpretation 8th ed, Mosby
2	Olivi G, Genovese MD. Laser restorative dentistry in children and adolescents. Eur Arch Paediatr Dent. 2011;12(2):68-78
3	Newman M, Takei H, Klokkevold P, Carranza F (2019). Clinical Periodontology, 13th ed. Elsevier.
4	Misch CE (2015). Dental Implant Prosthetics. 2nd ed. Elsevier, Mosby.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practica / 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
LO 1	2	1	1	1	1	1	1	1	1	1	1	1	1
LO 2	2	3	3	1	1	2	1	1	1	1	1	1	1
LO 3	2	3	3	1	1	2	1	1	1	1	1	1	1
LO 4	2	1	1	3	1	1	1	1	1	1	1	1	1
LO 5	2	1	1	3	1	1	1	1	1	1	1	1	1
LO 6	2	1	1	5	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	24	1	24
Preparation for the Course	24	0.5	12
Preparation for the Committee Exam	1	4	4
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	2	2
Final Theoretical Exam	1	1	1
		Total Workload	44
		Total Workload / 30	44/30
		ECTS Credits	~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC500	Compulsory	CS-2	Geriatrics and Maxillofacial Prostheses

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
20	0	1	

Aim of the Committee
Explaining the oral and dental treatments with the approach to elderly patients and patients requiring special care; teaching the types of prosthetic rehabilitation in maxillofacial atrophies and defects.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	distinguish physiological, pathological, and psychological changes that occur with age, determine dental treatment differences in geriatric patients.
LO 2		describe the dentist's approach to patients undergoing radiotherapy and chemotherapy.
LO 3		determine the appropriate prosthetic approach to etiology in deformities of the maxillofacial region, list the techniques and materials used.

Committee Outline		
Department	**Subject Title**	**Hour**
Periodontology	Periodontium changes due to aging and periodontal treatment approaches in the elderly	1
Psychiatry	Psychiatry in the elderly	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
Prosthetic Dentistry	Considerations in prosthetic approaches in geriatric patients	1
Oral and Maxillofacial Surgery	Approach to patients undergoing radiotherapy and chemotherapy	1
Prosthetic Dentistry	Definition and history of maxillofacial prostheses	1
	Materials used in maxillofacial prosthesis	1
	Maxillofacial tumors	1
	Maxillofacial defects and complications	1
	Maxillofacial defects and classifications	1
	Classification and anatomy of cleft lip and palate	1
	Obturator types and features	1
	Obturator fabrication	1
	Prosthetic rehabilitation in mandibular defects	1
	Radiotherapy prostheses, tissue modifiers	1
	Epitheses	1
	Implant retained maxillofacial prostheses and extraoral implants	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Newman M, Takei H, Klokkevold P, Carranza F (2019). Clinical Periodontology, 13th ed. Elsevier.
2	Grampp S, Baert A L (2008). Radiology of Osteoporosis. 2nd ed. Springer
3	Mallya S, Lam E. (2018). White and Pharoah's Oral Radiology Principles and Interpretation. 8th ed. Mosby
4	MacDonald D (2020). Oral and maxillofacial radiology. A diagnostic approach. 2nd ed. Wiley.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practica / 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
LO 1	3	3	3	1	1	1	3	1	1	1	1	1	1
LO 2	3	3	3	1	1	1	1	1	1	1	1	1	1
LO 3	3	3	1	2	1	2	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	20	1	20
Preparation for the Course	20	0.5	10
Preparation for the Committee Exam	1	5	5
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	3	3
Final Theoretical Exam	1	1	1
Total Workload			40
Total Workload / 30			40/30
ECTS Credits			~1

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC500	Compulsory	CS-3	Quality and Practice Management in Health Services

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
31	0	2	

Aim of the Committee
Teaching the concepts related to quality management in health services, explaining international accreditation institutions and standards, giving information about the establishment, management and legal regulations of dental practices and clinics.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	define the concept of quality, evaluation and improvement process.
LO 2		list the principles of total quality management, determine the importance of accreditation and documentation in quality.
LO 3		list the safety principles for both patient and employee, and determine the safe and ergonomic working condition.
LO 4		classify medical waste and choose the appropriate approach to the management of the process.
LO 5		define the legislation on the opening and management of the practice and the management scheme.
LO 6		list patient-physician rights and responsibilities.

Committee Outline		
Department	**Subject Title**	**Hour**
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
	Medical waste management	1
	Legal procedures required for opening a clinic	1
	Installation and maintenance of radiographic devices in the clinic	1
	Working order and personal training	1
	Ergonomics in dentistry practices	1
	Four hands dentistry	1
	Financial management in the clinic	1
	Patient-physician rights and responsibilities	1
	What is occupational health and safety? Definition, scope, importance	1
	OHS management and organization	1
	Occupational risk factors	2
	Risk prevention policies, risk control hierarchy	2
	Personal protective equipment (PPE)	1
	Work accidents (definition, causes, costs of work accidents, legal responsibilities)	2
	Occupational diseases	1
Health law	What is health law?	1
	Malpractice lawsuits	1
	Rights and obligations of dentists	1

Health law	Legal liability of dentists	1
	Patient rights	1
	Disputes caused by dental treatment	1

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Schwartz R L, Furrow B R, Greaney T L, Johnson S H, Jost T S (2020). Health Law: Cases, Materials and Problems. 8th ed. West Academic Publishing.
2	Occupational Safety and Health Administration https://www.osha.gov/

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practica / 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
LO 1	1	1	1	1	3	1	1	5	1	4	1	1	1
LO 2	2	1	1	1	3	1	1	5	1	3	1	1	1
LO 3	3	1	1	3	4	1	1	5	1	4	1	1	1
LO 4	1	1	1	1	5	1	1	5	1	1	1	1	1
LO 5	1	1	1	1	5	1	1	5	1	1	1	1	1
LO 6	1	1	1	1	5	1	1	5	3	4	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	31	1	31
Preparation for the Course	31	0,5	15,5
Preparation for 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	63,5
		Total Workload / 30	63,5/30
		ECTS Credits	~2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC500	Compulsory	CMS-1	Clinical Medical Sciences I

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
28	0	2	

Aim of the Committee
Teaching the systemic diseases that cause symptoms in the head and neck region or affect the treatment to be performed and explaining their significance to the dentist.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	recognize the general symptoms and signs of internal diseases, associate them with dentistry and determine the treatment approach.
LO 2		determine the dentist's approach to diseases that may cause symptoms in the head and neck region.
LO 3		list the head and neck cancers and explain the surgical and oncological treatment approach.
LO 4		list skin and mucosal diseases and oral findings, associate skin lesions with dentistry.
LO 5		list wound healing mechanisms and wound care procedures.
LO 6		list the general approach to trauma and emergency surgery indications.

Committee Outline		
Department	**Subject Title**	**Hour**
Cardiology	Cardiovascular diseases and congenital heart diseases (arrhythmia) in terms of dentistry	2
Pediatric Hematology	Hematological diseases and bleeding in dentistry	2
Infectious Diseases	Coronavirus and pandemics	2
Internal medicine	General symptoms and vital signs in internal medicine	2
	GIS diseases (Crohn, ulcerative colitis, celiac, gastroesophageal reflux, peptic ulcer)	2
	Dentistry and dialysis in nephrological diseases	2
ENT	ENT physical examination and anatomy	1
	Rhinosinusitis, allergic rhinitis, adenoid vegetations, chronic hypertrophic tonsillitis	1
	Upper respiratory tract infections	1
	Earaches (Otitis media and others)	1
	Head and neck cancers	1
	Obstructive sleep apnea and snoring	1
	Phonation and voice problems	1
General Surgery	Surgery in the presence of systemic diseases	1
	Wound healing and wound care	1
	General approach to trauma and burn surgery	1
	Surgical oncological principles and tumor pathophysiology	1
	Acute abdomen	1
Dermatology	Skin and visible mucosal diseases	2
	Urticaria drug eruptions and contact dermatitis	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management
	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Brewer A, Correa M E. Guidelines for dental treatment of patients with inherited bleeding disorders. Haemophilia. 2005; 11(40): 504-509.
2	Robbins, Cotran (2021). Pathologic Basis of Disease. 10th ed. Elsevier, Philadelphia.
3	Flint P, Haughey B, Lund V, Robbins K, Thomas J R, Lesperance M, Francis H W (2020). Cummings Otolaryngology Head and Neck Surgery. 7th ed. Elsevier Inc., Philadelphia
4	Wolff K, Goldsmith L, Katz S, Gilchrest B, Paller A S, Leffell D (2011). Fitzpatrick's Dermatology in General Medicine. 8th ed. McGraw-Hill.
5	Burgdorf W H C, Braun-Falco O (2009). Braun-falco's dermatology. 3rd ed. Springer.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practica / 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
LO 1	2	2	4	1	1	1	1	1	1	1	1	1	1
LO 2	2	4	4	1	1	1	1	1	1	1	1	1	1
LO 3	2	4	1	1	1	1	1	1	1	1	1	1	1
LO 4	2	2	4	1	1	1	1	1	1	1	1	1	1
LO 5	1	2	2	1	1	1	1	1	1	1	1	1	1
LO 6	2	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	28	1	28
Preparation for the Course	28	0.5	14
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	60
		Total Workload / 30	60/30
		ECTS Credits	2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Committee Code	Committee Name
DTC500	Compulsory	CMS-2	Clinical Medical Sciences II

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
39	0	2	

Aim of the Committee
Teaching the legal and forensic medical complications and responsibilities in forensic cases that may occur in the dentistry profession, explaining the neurological and psychiatric diseases associated with dentistry, and teaching the dentistry approach to these patients.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to …*	list the legal rights, authorities, and responsibilities in the field of forensic odontology.
LO 2		determine the legal and consent capacity, cooperate with the relevant units.
LO 3		list the steps for forensic dental record keeping and identification in living or dead individuals.
LO 4		define detection, prevention, and reporting processes in forensic cases.
LO 5		select the appropriate dentist approach in cases with different psychiatric and neurological disorders.

Committee Outline		
Department	**Subject Title**	**Hour**
Forensic Medicine	Introduction to forensic sciences 1	1
	Introduction to forensic sciences 2	1
	Identification of disaster victims	1
	Forensic odontology	1
	Forensic traumatology	1
	Death	1
	Postmortem changes	1
	Medicolegal autopsy	1
	Asphyxia deaths	1
	Sexual violence	1
	Forensic psychiatry	1
Psychiatry - Neurology	Neuroanatomy	2
	Introduction to psychiatry and symptoms	2
	Headache, cranial neuropathies, cranial neuralgia	2
	Somatoform disorders	2
	Eating disorders	2
	Anxiety disorders and panic attacks	2
	Mood disorders	2
	Sleeping disorders	2
	Personality disorders	2
	Substance addictions	2
	Schizophrenia, psychosis, suicidal ideation, self-harm	2
	Cerebrovascular diseases	2
	Neurodegenerative diseases	2
	Psychiatric/neurological disorders in dentistry, dentophobia	2

Learning and Teaching Techniques of the Committee					
x	Expression		Experiment		Project Design / Management

	Discussion		Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Committee References	
1	Aminoff M J, Greenberg D, Simon R P (2015). Clinical Neurology. McGraw Hill Medical Books. 9. baskı.
2	Sadock BJ, Sadock VA, Ruiz P (2017). Kaplan & Sadock's Comprehensive Textbook of Psychiatry. 10th ed. Wolters Kluwer, China.

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework		Midterm exam
	Practica / 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
LO 1	2	1	1	1	5	1	1	1	1	5	1	1	1
LO 2	2	1	1	1	4	3	1	1	1	2	1	1	1
LO 3	1	1	1	1	3	1	1	1	1	4	1	1	1
LO 4	1	1	1	1	4	1	1	1	2	2	1	1	1
LO 5	3	1	3	1	1	1	1	1	2	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	39	1	39
Preparation for the Course	39	0.5	19,5
Preparation for the Committee Exam	1	8	8
Committee Exam	1	1	1
Preparation for the Final Theoretical Exam	1	5	5
Final Theoretical Exam	1	1	1
		Total Workload	73,5
		Total Workload / 30	73,5/30
		ECTS Credits	~2

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR501	Compulsory	Oral and Maxillofacial Surgery

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
80	5	

Aim of the Clinical Rotation
Teaching the approach to patient in the clinical setting, following the medical and dental anamnesis, extraoral-intraoral examination, radiographic evaluation taught in the surgical theory courses; clinically observing and making the indication for surgery in appropriate cases; planning the procedure after the correct indication and performing simple tooth extractions; recognizing the clinical instruments and observing advanced surgical operations.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	take anamnesis from the patient and determine the appropriate treatment plan.
LO 2		apply maxillary and mandibular anesthesia techniques.
LO 3		pre-operatively prepare the patient for extraction, distinguish the surgical instruments to be used and apply tooth extraction.
LO 4		perform complicated tooth extraction.
LO 5		assist advanced surgical procedures.

Clinical Rotation Outline	
Department	**Practice Title**
Oral and Maxillofacial Surgery	Introduction to the surgery clinic and introduction of surgical instruments
	Pre-operative and post-operative approach to the patient
	Surgical indications and contraindications
	Complicated tooth extraction
	Observation of minor oral surgery principles and supplementary practices

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Miloro M, Ghali GE, Larsen PE, Waite P (2022). Peterson's Principles of Oral and Maxillofacial Surgery. Springer, Cham, Switzerland.
2	Hupp JR, Ellis E, and Tucker MR (2019). Contemporary oral and maxillofacial surgery. 7th ed. Elsevier Inc., Philadelphia, PA.
3	Moore UJ (2011). Principles of oral and maxillofacial surgery. 6th ed. Wiley-Blackwell, West Sussex, UK.

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework		Clinic Exam
x	Practice / Implementation		Presentation	x	Clinic Final 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
LO1	5	5	4	1	4	4	1	1	4	5	1	1	1
LO2	5	2	4	4	4	3	1	4	1	1	1	1	1
LO3	5	5	4	5	4	4	1	4	1	1	1	1	1
LO4	4	4	2	1	1	1	1	1	1	1	1	1	1
LO5	4	4	4	4	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	80	80

Preparation for the clinical rotation	1	30	30
Preparation for the clinical rotation exam	1	20	20
Clinical rotation exam	1	1	1
Preparation for the final exam	1	15	15
Final exam	1	1	1
		Total Workload	147
		Total Workload / 30	147/30
		ECTS Credits	~5

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR502	Compulsory	Dentomaxillofacial Radiology

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
80	5	

Aim of the Clinical Rotation
Preparing the ideal treatment plan based on the diagnosis made by applying the patient's dental and systemic conditions and patient-specific imaging and examination techniques, explaining it to the patient and make a preliminary diagnosis of mucosa and bone lesions within its authority.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	perform an initial examination along with the patient's dental and systemic history.
LO 2		select the appropriate radiographic method (2-dimensional intra and extraoral radiography techniques) and perform its applications within his authority.
LO 3		interpret the patient's radiographic findings and correlate them with intraoral examination findings.
LO 4		create the patient's ideal treatment plan and explain alternative treatment plans to the patient.
LO 5		distinguish oral mucosa diseases and determine treatment methods.
LO 6		request dental and medical consultation.
LO 7		make a tentative diagnosis of radiopaque and radiolucent lesions seen on radiography.

Clinical Rotation Outline	
Department	**Practice Title**
Dentomaxillofacial Radiology	Taking the patient's dental and medical history and listening to his/her complaints
	Performing intraoral examination of the patient and selecting the appropriate radiography technique
	Taking the radiograph of the patient in the radiology clinic
	Diagnosing the patient with intra and extraoral examination techniques and radiography
	Preparation of the patient's treatment plan and determination of the procedure sequence
	Explanation of treatment planning to the patient
	Making the diagnosis/tentative diagnosis of oral mucosa lesions and perform treatment
	Deciding the use of advanced imaging techniques under supervision according to the patient's symptoms
	Making patient consultation requests when necessary
	Tentative diagnosis of lesions seen on radiography

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving		Brainstorming

Clinical Rotation References	
1	Mallya SM, Lam EWN (2019). White And Pharoah's Oral Radiology: Principles and Interpretation. 8th ed. Elsevier, Missouri
2	Glick M, Greenberg MS, Lockhart PB, Challacombe SJ (2021). Burket's Oral Medicine. 13th ed. Wiley Blackwell Yayıncılık, USA.

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework	x	Clinic Exam
x	Practice / Implementation		Presentation	x	Clinic Final 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
LO1	3	3	2	1	1	1	1	1	2	3	1	1	1
LO2	3	1	1	5	1	1	1	4	1	1	1	1	1
LO3	5	4	1	1	1	1	1	1	1	1	1	1	1
LO4	4	5	1	1	1	1	1	1	2	1	1	1	1

LO5	2	5	2	1	1	1	1	1	1	1	1	1	1
LO6	2	1	1	1	1	4	1	1	1	1	1	1	1
LO7	2	5	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	80	80
Preparation for the clinical rotation	1	30	30
Preparation for the clinical rotation exam	1	25	25
Clinical rotation exam	1	1	1
Preparation for the final exam	1	20	20
Final exam	1	1	1
		Total Workload	157
		Total Workload / 30	157/30
		ECTS Credits	~5

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR503	Compulsory	Endodontics

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
80	5	

Aim of the Clinical Rotation
Teaching the diagnosis and treatment planning, vital pulp treatments and root canal treatment applications following medical and dental condition assessment in patients who apply for endodontic treatment.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	take the patient's medical and dental anamnesis, performing clinical and radiological examination, making the correct diagnosis in terms of endodontics and planning the treatment.
LO 2		perform endodontic imaging procedures and local anesthesia applications.
LO 3		perform the rubber dam isolation on the patient.
LO 4		perform direct and indirect pulp capping treatments.
LO 5		perform emergency endodontic treatments under supervision
LO 6		perform root canal treatment of single and multi-rooted teeth under supervision.
LO 7		perform retreatment under supervision
LO 8		evaluate the patient's condition and selects appropriate analgesics and antibiotics when necessary.
LO 9		perform the necessary emergency intervention under supervision in simple traumatic dental injuries such as concussion and subluxation.

Clinical Rotation Outline	
Department	**Practice Title**
Endodontics	Taking the anamnesis of the patient with endodontic complaint
	Application of endodontically appropriate clinical and radiographic examination methods and tests
	Evaluating the findings after the anamnesis and examination and making the correct diagnosis
	Determining and explaining the endodontic treatment plan to the patient
	Local anesthesia application and application of rubber dam for endodontic treatment
	Performing direct and indirect pulp capping treatments
	Performing root canal treatment on single-rooted teeth
	Performing root canal treatment on multi-rooted teeth
	Application of root canal retreatment in single-rooted teeth
	Implementation of necessary treatment procedures in simple traumatic injuries
	Determining the emergency treatment approach for the patient who referred to the clinic with severe pain and providing emergency treatment appropriate to the case.
	Determining the patient's need for systemic drug use before or after treatment and observing the prescription
	Providing necessary information to the patient after the treatment

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Chong BS (2017) Harty's Endodontics in Clinical Practise. 7th ed. Elsevier, China.
2	AAE Endodontics Colleagues Endodontic Diagnosis (www.aae.org/collegues)
3	Torabinajad M, Fouad AF, Shabahang S (2021). Endodontics Principles and Practise. 6th ed., Elsevier.
4	IADT Trauma Guide

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project

	Laboratory		Homework	x	Clinic Exam
x	Practice / Implementation	x	Presentation	x	Clinic Final 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
LO1	3	4	3	4	1	1	1	1	2	2	1	1	1
LO2	2	4	3	4	1	1	1	1	1	1	1	1	1
LO3	2	2	1	4	1	1	1	1	1	1	1	1	1
LO4	3	4	2	4	1	1	1	1	1	1	1	1	1
LO5	3	4	3	4	1	1	1	1	1	1	1	1	1
LO6	4	4	3	4	1	1	1	1	1	1	1	1	1
LO7	2	3	2	3	1	1	1	1	1	1	1	1	1
LO8	3	4	3	3	1	1	1	1	1	1	1	1	1
LO9	2	2	2	2	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	80	80
Preparation for the clinical rotation	1	20	20
Preparation for the clinical rotation exam	1	20	20
Clinical rotation exam	1	1	1
Preparation for the final exam	1	20	20
Final exam	1	1	1
		Total Workload	142
		Total Workload / 30	142/30
		ECTS Credits	~5

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR504	Compulsory	Orthodontics

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
40	3	

Aim of the Clinical Rotation
Teaching what to pay attention to in the diagnosis and treatment planning of patients applying to the orthodontic clinic, teaching the materials used in the orthodontic clinic, the usage areas of appliances and different orthodontic impression methods, and applying cephalometric film, model and dental photograph analysis.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	explain the ideal relationship between the maxillary and mandibular teeth.
LO 2		recognize the materials and instruments used in the clinic and prepare an orthodontic model.
LO 3		plan and implement cases that can be treated with simple removable appliances.
LO 4		change the archwire, elastic and ligatures under supervision during the control sessions.
LO 5		distinguish different treatment approaches according to orthodontic malocclusion types.
LO 6		perform brace application and removal under supervision during control sessions.
LO 7		apply and deliver fixed retention wire and movable retention appliance under supervision in the final session.

Clinical Rotation Outline	
Department	**Practice Title**
Ortodontics	Performing orthodontic examination of the patient
	Discussing the patient's clinical and radiographic findings from the orthodontic cast
	Evaluation of the patient after anamnesis and examination
	Planning the patient's treatment
	Teaching the steps to be followed in the brace application session
	Performing routine orthodontic checks
	Appliance and application to the patient
	Teaching what should be considered in the retention protocol

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Proffit W, Fields H (2018). Contemporary Orthodontics. 6th ed. Elsevier Publishing.

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework	x	Clinic Exam
x	Practice / Implementation	x	Presentation	x	Clinic Final 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
LO1	3	4	1	1	1	1	1	1	1	1	1	1	1
LO2	2	1	1	5	1	1	1	1	1	2	1	1	1
LO3	4	3	1	4	1	2	1	1	1	1	1	1	1
LO4	2	1	1	3	1	1	1	1	1	1	1	1	1
LO5	2	3	1	1	1	3	1	1	1	1	1	1	1
LO 6	3	1	1	5	1	1	1	1	1	1	1	1	1
LO 7	4	1	1	4	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	40	40
Preparation for the clinical rotation	1	15	15
Preparation for the clinical rotation exam	1	15	15
Clinical rotation exam	1	1	1
Preparation for the final exam	1	10	10
Final exam	1	1	1
		Total Workload	82
		Total Workload / 30	82/30
		ECTS Credits	~3

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR505	Compulsory	Pedodontics

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
80	5	

Aim of the Clinical Rotation
Teaching the basic principles of protection the oral and dental health of pediatric patients and planning their treatment and developing applied clinical skills.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	evaluate the intraoral findings and radiological findings in the pediatric patient and develop a preventive and restorative treatment plan.
LO 2		explain the differences in the preventive treatment plan in pediatric patients according to age groups and caries risk.
LO 3		explain the differences in restorations according to age groups in pediatric patients.
LO 4		provide age-appropriate brushing training to the child, patient and parent.
LO 5		apply behavioral guidance techniques to pediatric patients.

Clinical Rotation Outline	
Department	**Practice Title**
Pedodontics	Establishing effective communication with pediatric patients and their parents and providing behavioral guidance if necessary
	Taking the patient's dental and medical anamnesis, investing the patient's history and dental history
	Performing intraoral examination of the patient and deciding and applying the appropriate radiography technique for the case
	Diagnosis and treatment planning with clinical and radiographic evaluation
	Identifying and performing appropriate protective practices with respect to age
	Performing restorative treatments of the patient
	Application of pulpotomy treatment of the patient
	Examination, diagnosis and treatment planning of trauma cases

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Lecture notes
2	Dean J (2021). McDonald and Avery's Dentistry for the Child and Adolescent. 11th ed. Elsevier, Amsterdam.
3	Nowak A (2018). Pediatric Dentistry Infancy Through Adolescence. 6th ed. Elsevier, Amsterdam.
4	Coelho-Leal S, Takeshita EM (2019). Pediatric Restorative Dentistry. Springer, Switzerland.

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework	x	Clinic Exam
x	Practice / Implementation	x	Presentation	x	Clinic Final 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
LO 1	5	5	2	1	1	1	1	1	1	2	1	1	1
LO 2	3	4	1	1	1	1	2	1	1	1	1	1	1
LO 3	2	2	1	3	1	1	1	1	1	1	1	1	1
LO 4	2	1	1	1	1	1	3	1	2	1	1	1	1
LO 5	3	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

Educational Tools	Amount	Duration (Hour)	Total Workload (Hour)
Clinical rotation hour	1	80	80
Preparation for the clinical rotation	1	25	25
Preparation for the clinical rotation exam	1	25	25
Clinical rotation exam	1	1	1
Preparation for the final exam	1	20	20
Final exam	1	1	1
		Total Workload	152
		Total Workload / 30	152/30
		ECTS Credits	~5

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR506	Compulsory	Periodontology

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
40	3	

Aim of the Clinical Rotation
Teaching the diagnosis of periodontal health and disease conditions clinically and radiographically and teaching phase 1 perioontal treatment steps, performing periodontal risk assessment and prognosis determination. Observing advanced periodontal treatment and mucogingival surgical treatments.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	distinguish periodontal health from disease, distinguish changes in the periodontium in the elderly and children.
LO 2		diagnose periodontal diseases, distinguish gingivitis and periodontitis, make classifications and treatment planning of periodontal diseases.
LO 3		perform phase 1 periodontal treatment, inform the patient about the need for advanced periodontal treatment and what treatments can be done.
LO 4		apply scaling - polishing, SRP treatments, information and tooth brushing education and interface cleaning.
LO 5		assesses the risk and determines the prognosis in periodontal diseases.
LO 6		observes surgical and non-surgical treatments for periodontal pocket elimination, as well as preprosthetic and periodontal plastic surgery.

Clinical Rotation Outline	
Department	**Practice Title**
Periodontology	Clinical and radiographic evaluation of the patient's periodontal tissues
	Diagnosing periodontal disease following clinical and radiographic examination
	Periodontal risk assessment and prognosis determination
	Performing the "calculus removal-polishing, scaling root planning (SRP)" treatments included in the phase 1 periodontal treatment
	Demonstration of oral hygiene on the model to the patient after the calculus removal and polishing procedure
	Observation of periodontal surgery

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study	x	Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Newman M, Takei H, Klokkevold P, Carranza F (2019). Clinical Periodontology, 13th ed.Elsevier
2	Çağlayan G. (2018). Periodontoloji ve İmplantoloji, Quintessence Yayınları, Türkiye.
3	Lindhe J, Lang NP (2015). Clinical periodontology and implant dentistry, 8th ed, WB Saunders Company.
4	Lecture notes

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework	x	Clinic Exam
x	Practice / Implementation		Presentation	x	Clinic Final 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
LO1	3	5	3	1	1	1	1	1	1	1	1	1	1
LO2	5	5	1	1	1	2	1	1	1	1	1	1	1
LO3	5	5	1	1	1	4	1	1	3	1	1	1	1
LO4	5	5	1	2	1	1	1	1	5	1	1	1	1
LO5	2	2	1	1	1	1	1	1	1	1	1	1	1
LO6	2	1	1	2	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	40	40
Preparation for the clinical rotation	1	15	15
Preparation for the clinical rotation exam	1	15	15
Clinical rotation exam	1	1	1
Preparation for the final exam	1	10	10
Final exam	1	1	1
		Total Workload	82
		Total Workload / 30	82/30
		ECTS Credits	~3

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR508	Compulsory	Prosthetic Dentistry

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
80	5	

Aim of the Clinical Rotation
Preparing a diagnosis and prosthetic treatment plan after medical and dental status evaluation, teaching how to select materials for the restoration of lost tissues, and teaching the fabrication stages of fixed partial and complete dentures.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	evaluate patients who apply to the clinic due to chewing, phonation or aesthetic problems.
LO 2		decide on the diagnosis and appropriate treatment method for patients in terms of prosthetics, and discusses treatment methods.
LO 3		explains the patient's possible treatment in his/her own words through the radiographic film.
LO 4		perform retraction and impression procedures and perform temporary or permanent cementation.
LO 5		select the correct material for retraction, impression, and cementation processes.
LO 6		prepare oral recordings which can be appropriately transmitted to the laboratory and communicate with the laboratory.
LO 7		make preparations for single-unit fixed restoration, perform the infrastructure control and color selection session.
LO 8		apply the fabrication stages of complete dentures.

Clinical Rotation Outline	
Department	**Practice Title**
Prosthetic Dentistry	Clinical and radiographic evaluation of the patient
	Determining the prosthetic treatment approach for the patient and explaining it to the patient
	Observation of advanced prosthetic treatment applications
	Documenting the prosthetic treatment protocols applied to the patient by the physician as a written report and preparing the patient file
	Informing the patient about prosthetic material options who is indicated for a fixed prosthetic restoration
	Observation of tooth preparation in a patient with a fixed prosthetic restoration indication
	Performing tooth preparation in a patient with a single-unit fixed prosthetic restoration indication
	Retraction
	Taking impressions of the prepared jaw by using a conventional method
	Taking the bite impression from the unprepared opposite jaw using the conventional method
	Taking impression of the jaw containing the preparation site for temporary restoration
	Cementation of temporary restoration
	Checking the infrastructure (metal or zirconia) and color selection for veneering ceramics
	Intraoral inspection and cementation of permanent restoration
	Taking impression with a prefabricated tray for making a custom tray from a patient with a complete denture indication
	Taking impression with a custom tray from a patient with a complete denture indication
	Base plate-wax rim control
	Performing trial in complete dentures
	Occlusion control in complete denture and delivery to the patient

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Shillingburg HT, Sather DA, Wilson EL, Cain JR, Mitchell DL, Blanco LJ, Kessler JC (2012). Fundamentals of fixed prosthodontics. 4th ed. Quintessence Pub Co., Chicago.
2	Gray R, Al-Ani Z (2021). Temporomandibular Disorders : A Problem-Based Approach. 2nd ed. Wiley-Blackwell

3	Okeson JF (2019). Management of Temporomandibular Disorders and Occlusion. 8th ed. Mosby

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework	x	Clinic Exam
x	Practice / Implementation	x	Presentation	x	Clinic Final 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
LO 1	5	4	4	1	3	4	1	1	1	4	1	1	1
LO 2	5	4	4	4	4	4	1	1	3	1	1	1	1
LO 3	5	4	4	2	2	4	1	1	4	1	1	1	1
LO 4	4	2	1	4	3	4	1	1	1	1	1	1	1
LO 5	5	1	1	5	1	4	1	1	1	1	1	1	1
LO 6	2	2	1	4	1	2	2	5	5	4	1	1	1
LO 7	5	2	1	4	3	4	1	1	1	1	1	1	1
LO 8	5	2	1	4	3	4	1	1	1	1	1	1	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	80	80
Preparation for the clinical rotation	1	30	30
Preparation for the clinical rotation exam	1	25	25
Clinical rotation exam	1	1	1
Preparation for the final exam	1	20	20
Final exam	1	1	1
		Total Workload	157
		Total Workload / 30	157/30
		ECTS Credits	~5

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
CLINICAL ROTATION OUTLINE

Clinical Rotation Code	Clinical Rotation Type	Clinical Rotation Name
DCR508	Compulsory	Restorative Dentistry

Clinical Rotation Hour	ECTS	Clinical Rotation Supervisor
80	5	

Aim of the Clinical Rotation
Training dental practitioners who approach problems in a solution-oriented manner in the light of scientific knowledge by using current diagnosis and treatment methods in restorative dental treatment practices.

Learning Outcomes		
LO 1	*After the completion of this committee, student will be able to ...*	make restorative diagnosis and treatment planning in complex cases by integrating clinical and radiological findings.
LO 2		perform restorative imaging procedures and local anesthesia applications.
LO 3		remove the carious tissue and prepares the cavity by preserving the healthy tissue.
LO 4		select the most appropriate restorative materials for different clinical scenarios and evaluate their advantages and disadvantages.
LO 5		perform matrix and wedge applications in complex cavities.
LO 6		perform pulp capping in deep dentin caries
LO 7		perform restorations and apply the finishing and polishing stages.

Clinical Rotation Outline	
Department	**Practice Title**
Restorative Dentistry	Restorative examination of the patient
	Preparation of the cavity necessary for the restoration of lost dental tissues.
	Selection of suitable materials for restoration
	Application of matrix and wedge in approximal cavities
	Aesthetic restoration application stages and polishing procedures

Learning and Teaching Techniques of the Clinical Rotation					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer	x	Case Study		Team / Group Work
x	Observation	x	Problem / Problem Solving	x	Brainstorming

Clinical Rotation References	
1	Ritter A (2018). Sturdevant's Art and Science of Operative Dentistry. Elsevier
2	Terry DA, Geller W (2018). Esthetic and Restorative Dentistry: Material Selection and Technique 3rd ed. Quintessence Publishing
3	Ricketts D, Bartlett D (2013). Advanced Operative Dentistry: A Practical Approach, 1st ed. Churchill Livingstone Elsevier
4	Chu SJ, Devigus A, Paravina R, Mieleszko A (2011). Fundamentals of Color: Shade Matching and Communication in Esthetic Dentistry. 2nd ed. Quintessence Publishing
5	Greenwall L, Freedman GA (2001). Bleaching Techniques in Restorative Dentistry: An Illustrated Guide. 1st ed. Thieme Medical Pub

Quantification and Consideration					
x	Attendance	x	Clinical Rotation		Project
	Laboratory		Homework	x	Clinic Exam
x	Practice / Implementation		Presentation	x	Clinic Final 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
LO1	5	5	1	1	1	1	1	1	1	1	1	1	1
LO2	4	2	2	1	1	1	1	1	1	1	1	1	1
LO3	5	2	1	2	1	1	1	1	1	1	1	1	1
LO4	2	1	1	3	1	1	1	1	1	1	1	1	1
LO5	4	3	2	1	1	1	1	1	1	1	1	1	1

LO6	5	2	1	1	1	1	1	1	1	1	1	1	1
LO7	5	5	2	2	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			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Clinical rotation hour	1	80	80
Preparation for the clinical rotation	1	30	30
Preparation for the clinical rotation exam	1	25	25
Clinical rotation exam	1	1	1
Preparation for the final exam	1	20	20
Final exam	1	1	1
		Total Workload	157
		Total Workload / 30	157/30
		ECTS Credits	~5

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Course Name
RTP500	Compulsory	Research Techniques and Presentation

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
9	8	4	

Aim of the course
Teaching the types of scientific research and scanning medical databases, developing poster and oral presentation design and presentation techniques, and gaining the ability to work collaboratively as a team member.

Learning Outcomes		
LO 1	*After the completion of this course, student will be able to ...*	define the process of hypothesis formation and its components, list the importance of hypotheses in scientific research.
LO 2		determine the relationship of hypotheses with theory and laws and distinguish their differences.
LO 3		classify research types, list the characteristics, advantages and disadvantages of research types.
LO 4		distinguish the types of presentation, determine their content, list the design principles.
LO 5		list the features of the programs used in the design of presentation types and select the appropriate design program.
LO 6		design and present a scientific research according to the principles of poster presentation and oral presentation, together with his teammates.
LO 7		evaluate academic presentations with his/her teammates according to the criteria of content, design and presentation performance.

Course Outline		
Department	**Subject Title**	**Hour**
Multidisciplinary	Introduction to research methodology	1
	Hypothesis, theory, law	1
	Types of research	1
	Article types	1
	Medical databases	1
	Reading scientific articles	1
	Presentation types and creation of presentation content	1
	Presentation principles and visual design	1
	Programs used in presentation preparation	1
	Poster presentation	4
	Oral presentation	4

Learning and Teaching Techniques of the Course					
x	Expression		Experiment		Project Design / Management
x	Discussion	x	Practice / Implementation		Preparing / Presenting Reports
x	Question & Answer		Case Study	x	Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Course References	
1	Abramson JH, Abramson ZH (2008). Research Methods in Community Medicine: Surveys, Epidemiological Research, Programme Evaluation, Clinical Trials. 6th ed. Wiley, England.
2	Kumar R (2018). A Step-by-Step Guide for Beginners. 5th Ed. SAGE.
3	Thomas CG (2021). Research Methodology and Scientific Writing. Springer.

4	Theobald T (2019). Develop Your Presentation Skills: How to Inspire and Inform with Clarity and Confidence. Kogan Page.
5	Alexandrov AV, Hennerici MG. How to Prepare and Deliver a Scientific Presentation. Cerebrovasc Dis 2013;35:202-208.
6	Erren TC, Bourne PE. Ten Simple Rules for a Good Poster Presentation. PLoS Comput Biol 2007;3(5):e102.
7	Lecture notes

Quantification and Consideration					
x	Attendance		Clinical Rotation		Project
	Laboratory		Homework	x	Midterm exam
x	Practice / Implementation	x	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
LO 1	1	1	1	1	1	1	1	1	1	1	4	1	1
LO 2	1	1	1	1	1	1	1	1	1	1	4	1	1
LO 3	1	1	1	1	1	1	1	1	1	1	4	1	1
LO 4	1	1	1	1	1	1	1	1	1	1	4	1	1
LO 5	1	1	1	1	1	1	1	1	1	1	4	1	1
LO 6	1	1	1	1	1	1	1	1	1	1	3	5	1
LO 7	1	1	1	1	1	1	1	1	1	1	3	5	1
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical Course Hour	9	1	9
Preparation for the Course	9	0.5	4.5
Preparation for the Midterm Exam	1	10	10
Midterm Exam	1	1	1
Poster presentation preparation	1	30	30
Poster presentation activity	1	4	4
Poster presentation, peer and self-assessment	1	2	2
Preparation for oral presentation	1	40	40
Oral presentation activity	1	4	4
Oral presentation peer assessment and self-assessment	1	2	2
Poster and oral presentation competition	1	4	4
		Total Workload	110.5
		Total Workload / 30	110.5/30
		ECTS Credits	~4

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE OUTLINE

Course Code	Course Type	Course Name
CSA500	Compulsory	Community Service Applications

Theoretical Course Hour	Practical Course Hour	ECTS	Committee Supervisor
7	17	4	

Aim of the course
Acquiring the knowledge and skills that can organize beneficial activities for the society and achieving tangible results by spending time and effort for this purpose.

Learning Outcomes		
LO 1	*After the completion of this course, student will be able to ...*	identify current social problems.
LO 2		project for the solution of the identified social problems are ready.
LO 3		execute the prepared projects individually and as a group.
LO 4		become aware of the social responsibility projects carried out in various institutions and organizations.
LO 5		improve the sense of social responsibility by participating in scientific events such as panels, conferences, congresses, and symposiums as an audience, speaker or organizer.
LO 6		evaluate the results of social responsibility projects.

Course Outline		
Department	**Subject Title**	**Hour**
Education Faculty	Expectations from the course	1
	Social responsibility	1
	Forms	1
	Community Service	1
	Research and project	1
	Formation of groups	1
	Project examples	1
	Group assignment and collaboration	5
	Fieldwork	6
	Project presentation	6

Learning and Teaching Techniques of the Course					
x	Expression		Experiment	x	Project Design / Management
x	Discussion	x	Practice / Implementation	x	Preparing / Presenting Reports
x	Question & Answer		Case Study	x	Team / Group Work
	Observation		Problem / Problem Solving		Brainstorming

Course References	
1	Farrow B, Burt R. Service learning: Aligning university mission with design and construction. Management. 2020, 7;725:734.
2	Tijsma G, Hilverda F, Scheffelaar A, Alders S, Schoonmade L, Blignaut N, Zweekhorst M. Becoming productive 21st century citizens: A systematic review uncovering design principles for integrating community service learning into higher education courses. Educational Research. 2020, 1;62(4):390-413.
3	Lecture notes

Quantification and Consideration					
x	Attendance		Clinical Rotation	x	Project

	Laboratory		Homework	x	Midterm exam
x	Practica / Implementation	x	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
LO 1	1	1	1	1	1	1	1	1	1	1	1	1	3
LO 2	1	1	1	1	1	1	1	1	1	1	1	3	4
LO 3	1	1	1	1	1	1	1	1	2	1	1	3	4
LO 4	1	1	1	1	1	1	1	1	2	1	1	3	3
LO 5	1	1	1	1	1	1	1	1	2	1	1	3	3
LO 6	1	1	1	1	1	1	1	1	1	1	1	3	4
Contribution Level:				1: No		2: Poor		3: Moderate		4: Good		5: Very Good	

Workload and ECTS Calculation			
Educational Tools	**Amount**	**Duration (Hour)**	**Total Workload (Hour)**
Theoretical course hour	7	1	7
Preparation for the theoretical course	7	1	7
Practical course hour	17	1	17
Preparation for the practical course	17	1	17
Individual Oral Presentation	1	20	20
Written Assignment and Portfolio	1	20	20
Short Answer Quizzes	5	1	5
Research, Preparing a Self-Evaluation Form	1	20	20
		Total Workload	113
		Total Workload / 30	113/30
		ECTS Credits	~4