

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	5
	BMS2 - Central Nervous System			42	8	4
	BMS3 - Basics of Diseases - II			42	0	4
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 - Prosthodontics	0		120	6	
DCS200	Communication Skills in Dentistry	C	14	0	2	
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

Learning Outcome	Description	
LO 1	<i>After the completion of this committee, student will be able to...</i>	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 of cavities in black classification	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	Caries theories	1
	Microbial dental plaque and caries microbiology	1
Dentomaxillofacial Radiology	Radiation biology and units of measure	1
	Devices used in radiology	1
Restorative Dentistry	Caries formation	1
	Morphology of caries	1
Dentomaxillofacial Radiology	Alara principle of radiation protection	1
Restorative Dentistry	Caries types	1
Biochemistry	Biochemistry of caries	1
Restorative Dentistry	Biochemistry of saliva	1
	Saliva-caries relationship	1
Pedodontics	Dental caries in children	2
	Early childhood caries	1

Restorative Dentistry	Traditional and modern caries detection methods (clinical) and diagnostic devices	1
	Caries removal by traditional and mechanical methods	1
Dentomaxillofacial Radiology	Film structure, film types, screens, dental films	1
Restorative Dentistry	Conventional and partial matrix systems	1
	Cavity disinfectants	1
Dentomaxillofacial Radiology	Introduction to periapical radiology	2
Endodontics	Pulp diseases and classification	2
Pedodontics	Glass ionomer cements	1
Dentomaxillofacial Radiology	Caries radiology and detection of caries in radiography	2
Restorative Dentistry	Pulp-capping materials	1
	Direct and indirect pulp-capping applications	1
Dentomaxillofacial Radiology	Arrangement of the darkroom, radiographic quality; detail, density, fog, contrast	1
Endodontics	Periapical tissue diseases and classification	2
Restorative Dentistry	Other cements used in base and temporary filling applications	1
Dentomaxillofacial Radiology	Intraoral radiography techniques	2
Endodontics	Microbiology of pulpal and periapical tissue diseases	1
Restorative Dentistry	Cavity varnishes and liners	1
	Introduction to amalgam	1
	Clinical application methods of amalgam restorations	1
	Finishing, polishing and clinical failure in amalgam restorations	1
	Mercury hygiene and amalgam removal	1

Learning and Teaching Techniques of the Committee

<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input type="checkbox"/>	Practice / Implementation	<input type="checkbox"/>	Preparing / Presenting Reports
<input checked="" type="checkbox"/>	Question & Answer	<input checked="" type="checkbox"/>	Case Study	<input type="checkbox"/>	Team / Group Work
<input checked="" type="checkbox"/>	Observation	<input checked="" type="checkbox"/>	Problem / Problem Solving	<input checked="" type="checkbox"/>	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

<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Rotation	<input type="checkbox"/>	Project
<input type="checkbox"/>	Laboratory	<input type="checkbox"/>	Homework	<input type="checkbox"/>	Midterm exam
<input type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	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

Learning Outcome	Description
LO 1	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 crown and bridge restorations, types of crowns	1
	General principles of tooth preparation	1
	Evaluation of abutment teeth in fixed prostheses	1
	Biomechanical considerations of bridge restorations	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 methods	1
	Impression techniques in fixed prostheses	1
	Communication with dental laboratory and infection	1
	Terminology of occlusion, mandibular movements, and determinants	1
	Occlusion types in natural dentition, principles of occlusion in fixed prosthetic treatment	1
	Obtaining and transferring occlusal records	1
	Obtaining models, transfer to occlusor and day materials	1
	Provisional fixed restorations	1
	Structure and classification of dental ceramics	1
	Dental ceramics according to their microstructure	2
	Resin-matrix ceramics	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 prosthetic restorations	1
Resin luting cements	2
Relationship between fixed prosthesis and periodontal tissue	1
Crown-bridge extraction methods	1

Learning and Teaching Techniques of the Committee

<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input type="checkbox"/>	Practice / Implementation	<input type="checkbox"/>	Preparing / Presenting Reports
<input checked="" type="checkbox"/>	Question & Answer	<input checked="" type="checkbox"/>	Case Study	<input type="checkbox"/>	Team / Group Work
<input checked="" type="checkbox"/>	Observation	<input checked="" type="checkbox"/>	Problem / Problem Solving	<input checked="" type="checkbox"/>	Brainstorming

Committee References

1	Rosenstiel SF, Land MF, Walter R. (2022) Contemporary Fixed Prosthodontics. 6th Edition. Mosby.
2	Shillingburg HT, Sather DA, Wilson EL, Cain JR, Mitchell DL, Blanco LJ, Kessler JC. (2012) Fundamentals of fixed prosthodontics. 4th edition. 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, Lümekemann N. Three generations of zirconia: From veneered to monolithic. Part I. Quintessence Int. 2017;48(5):369-380.
8	Lecture notes

Quantification and Consideration

<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Rotation	<input type="checkbox"/>	Project
<input type="checkbox"/>	Laboratory	<input type="checkbox"/>	Homework	<input type="checkbox"/>	Midterm exam
<input type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	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

Learning Outcome	Outcome Description
LO 1	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 caries	2
	Dental indexes	1
	Caries risk, caries activity tests	1
Pedodontics	Preventive treatments in children	5
Restorative Dentistry	Preventive treatments in adults	2
Endodontics	Isolation and use of rubberdam	1
	Preparation of root canals	1
	Irrigation and smear layer	2
	Root canal filling techniques	2
	Disinfection of root canals	1

Learning and Teaching Techniques of the Committee

<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input type="checkbox"/>	Practice / Implementation	<input type="checkbox"/>	Preparing / Presenting Reports
<input checked="" type="checkbox"/>	Question & Answer	<input checked="" type="checkbox"/>	Case Study	<input type="checkbox"/>	Team / Group Work
<input checked="" type="checkbox"/>	Observation	<input checked="" type="checkbox"/>	Problem / Problem Solving	<input checked="" type="checkbox"/>	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. Welbury R, Duggal MS, Hosey MT (2018). Paediatric Dentistry. 5th Ed. Oxford, England.
5	Ritter AV, Boushell LW, Walter R (2017). Sturdevant's Art and Science of Operative Dentistry. 7th Ed., Elsevier Health Sciences.
6	Lecture notes

Quantification and Consideration					
<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Rotation	<input type="checkbox"/>	Project
<input type="checkbox"/>	Laboratory	<input type="checkbox"/>	Homework	<input type="checkbox"/>	Midterm exam
<input type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	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

Learning Outcome	Description
LO 1	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
	Tartar and other predisposing factors	1
Biochemistry	Plaque biochemistry	2
Periodontology	Classification of periodontal diseases and conditions and epidemiology of periodontal diseases	2
	Clinical findings 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

<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input type="checkbox"/>	Practice / Implementation	<input type="checkbox"/>	Preparing / Presenting Reports
<input checked="" type="checkbox"/>	Question & Answer	<input checked="" type="checkbox"/>	Case Study	<input type="checkbox"/>	Team / Group Work
<input checked="" type="checkbox"/>	Observation	<input checked="" type="checkbox"/>	Problem / Problem Solving	<input checked="" type="checkbox"/>	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;89:51-8.
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					
<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Rotation	<input type="checkbox"/>	Project
<input type="checkbox"/>	Laboratory	<input type="checkbox"/>	Homework	<input type="checkbox"/>	Midterm exam
<input type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	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	<i>After the completion of this committee, student will be able to...</i>	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
	Production of bacteria	1
	Bacterial metabolism	2
	Bacterial genetics	2
	Host-microorganism relationships and flora	2
	Bacteria important for dentistry	2
	Sterilization, disinfection, antisepsis and applications	2
	Antibiotics: Mechanisms of action and resistance	2
	Virus general characteristics and classification	2
	Viruses important for dentistry	2
	Fungal cell structure and classification	2
	Fungi important for dentistry	2
	Parasite cell structure and classification	2
	Parasites important for dentistry	2
	Innate-acquired immunity	1
	Antigens: Antigen processing and presentation	2
	Complement systems and cytokines	1
	Immune response to microbes	1
	Active and passive immunization / vaccines and serums	1
	Adherence in oral bacteria	1
	Caries microbiology	1
Periodontal infections	1	
Microbiology of pulpitis	1	
Other infections in the mouth	1	

Cross infections in dentistry	1
Other important infections in dentistry	1
Practical lesson 1: Rules to be followed in the microbiology laboratory	4
Practical lesson 2: Producing bacteria	4
Practical lesson 3: Investigation 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: Investigation of fungi and parasites	4
Practical lesson 8: Serological tests	2

Learning and Teaching Techniques of the Committee

<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input checked="" type="checkbox"/>	Practice / Implementation	<input type="checkbox"/>	Preparing / Presenting Reports
<input checked="" type="checkbox"/>	Question & Answer	<input checked="" type="checkbox"/>	Case Study	<input type="checkbox"/>	Team / Group Work
<input checked="" type="checkbox"/>	Observation	<input checked="" type="checkbox"/>	Problem / Problem Solving	<input checked="" type="checkbox"/>	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

<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Rotation	<input type="checkbox"/>	Project
<input checked="" type="checkbox"/>	Laboratory	<input type="checkbox"/>	Homework	<input type="checkbox"/>	Midterm exam
<input checked="" type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	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

Learning Outcome	Expected Student Performance	Description
LO 1	<i>After the completion of this committee, student will be able to...</i>	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
	Medulla Spinalis - Morphology	1
	Medulla Spinalis - Paths	1
	Brainstem (bulbus, pons and mesencephalon)	2
	Cranial nerves, entrance, and 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, pituitary	1
	Thalamus	1
	Epithalamus, subthalamus, basal nuclei	1
	Brain hemispheres and white matter	2
Physiology	Special senses	2
Anatomy	Limbic system	1
	Meninges Sinuses Ventricular System	1
Physiology	Cerebral cortex	1
Anatomy	CNS vessels	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

<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input checked="" type="checkbox"/>	Practice / Implementation	<input type="checkbox"/>	Preparing / Presenting Reports
<input checked="" type="checkbox"/>	Question & Answer	<input checked="" type="checkbox"/>	Case Study	<input type="checkbox"/>	Team / Group Work
<input checked="" type="checkbox"/>	Observation	<input checked="" type="checkbox"/>	Problem / Problem Solving	<input checked="" type="checkbox"/>	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

<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Rotation	<input type="checkbox"/>	Project
<input checked="" type="checkbox"/>	Laboratory	<input type="checkbox"/>	Homework	<input type="checkbox"/>	Midterm exam
<input checked="" type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	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	<i>After the completion of this committee, student will be able to...</i>	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
	Methods used in the pathology laboratory	1
Medical Biology and Genetics	DNA repair mechanisms	2
Pathology	General mechanisms of cell damage	1
	Cell adaptation mechanisms	1
Pharmacology	Introduction to pharmacology and general concepts	2
	Pharmacokinetic, pharmacodynamic rules	1
	Factors that alter drug action, drug toxicity, parts of prescription	1
Medical Biology and Genetics	Cell death mechanisms	2
Pathology	Cell senescence, mechanism of cell death, intracellular deposits	1
	Inflammation (acute, chronic) and mediators	2
	Wound healing and repair	1
	Hemodynamic diseases	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	1
Pathology	Analgesics	1
	Neoplasia	2
Pathology	Leukemia and lymphomas	1
	Antianginal drugs, drugs used in the treatment of heart failure, anticoagulants, drugs used in the treatment of hyperlipidemia, peripheral vasodilators	2

Pharmacology	Medicines used to treat pain	1
	Respiratory system drugs, bronchodilator 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

<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input type="checkbox"/>	Practice / Implementation	<input type="checkbox"/>	Preparing / Presenting Reports
<input checked="" type="checkbox"/>	Question & Answer	<input checked="" type="checkbox"/>	Case Study	<input type="checkbox"/>	Team / Group Work
<input checked="" type="checkbox"/>	Observation	<input checked="" type="checkbox"/>	Problem / Problem Solving	<input checked="" type="checkbox"/>	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

<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Rotation	<input type="checkbox"/>	Project
<input type="checkbox"/>	Laboratory	<input type="checkbox"/>	Homework	<input type="checkbox"/>	Midterm exam
<input type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	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
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	<i>After the completion of this committee, student will be able to...</i>	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					
<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input checked="" type="checkbox"/>	Practice / Implementation	<input type="checkbox"/>	Preparing / Presenting Reports
<input checked="" type="checkbox"/>	Question & Answer	<input type="checkbox"/>	Case Study	<input checked="" type="checkbox"/>	Team / Group Work
<input checked="" type="checkbox"/>	Observation	<input type="checkbox"/>	Problem / Problem Solving	<input checked="" type="checkbox"/>	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					
<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Rotation	<input type="checkbox"/>	Project
<input checked="" type="checkbox"/>	Laboratory	<input checked="" type="checkbox"/>	Homework	<input checked="" type="checkbox"/>	Quiz

<input checked="" type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	Final Exam
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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

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	<i>After the completion of this committee, student will be able to...</i>	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					
<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input checked="" type="checkbox"/>	Practice / Implementation	<input type="checkbox"/>	Preparing / Presenting Reports
<input checked="" type="checkbox"/>	Question & Answer	<input type="checkbox"/>	Case Study	<input type="checkbox"/>	Team / Group Work
<input checked="" type="checkbox"/>	Observation	<input type="checkbox"/>	Problem / Problem Solving	<input type="checkbox"/>	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					
<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Rotation	<input type="checkbox"/>	Project
<input checked="" type="checkbox"/>	Laboratory	<input checked="" type="checkbox"/>	Homework	<input type="checkbox"/>	Quiz
<input checked="" type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	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	<i>After the completion of this committee, student will be able to...</i>	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					
<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input checked="" type="checkbox"/>	Practice / Implementation	<input type="checkbox"/>	Preparing / Presenting Reports
<input checked="" type="checkbox"/>	Question & Answer	<input type="checkbox"/>	Case Study	<input checked="" type="checkbox"/>	Team / Group Work
<input checked="" type="checkbox"/>	Observation	<input type="checkbox"/>	Problem / Problem Solving	<input checked="" type="checkbox"/>	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					
<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Rotation	<input type="checkbox"/>	Project
<input checked="" type="checkbox"/>	Laboratory	<input checked="" type="checkbox"/>	Homework	<input checked="" type="checkbox"/>	Quiz
<input checked="" type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	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
COURSE OUTLINE

Course Code	Course Type	Course Name
DCS200	Compulsory	Communication Skills in Dentistry

Theoretical Course Hour	Practical Course Hour	ECTS	Course Supervisor
14	0	4	

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	<i>After the completion of this committee, student will be able to...</i>	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

<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input checked="" type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input checked="" type="checkbox"/>	Practice / Implementation	<input checked="" type="checkbox"/>	Preparing / Presenting Reports
<input checked="" type="checkbox"/>	Question & Answer	<input type="checkbox"/>	Case Study	<input type="checkbox"/>	Team / Group Work
<input type="checkbox"/>	Observation	<input checked="" type="checkbox"/>	Problem / Problem Solving	<input checked="" type="checkbox"/>	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.
4	Lecture notes

Quantification and Consideration

<input checked="" type="checkbox"/>	Attendance	<input checked="" type="checkbox"/>	Quiz	<input checked="" type="checkbox"/>	Project
<input type="checkbox"/>	Laboratory	<input checked="" type="checkbox"/>	Homework	<input type="checkbox"/>	Midterm exam

<input checked="" type="checkbox"/>	Practical / Implementation	<input checked="" type="checkbox"/>	Presentation	<input type="checkbox"/>	Committee Exam
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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
Quiz	5	1	5
Homework	2	3	6
Preparation for the course	14	2	28
Preparation for the project	2	10	20
Preparation for the report	2	15	30
Project	1	20	20
Project presentation	1	5	5
Total Workload			128
Total Workload / 30			128/30
ECTS Credits			~4