

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY

Course Description Sheet

Course Type	Course Code	Course Name	Theoretical (Hour)	Practical (Hour)	ECTS
Mandatory	DTC200	Year 2 Theoretical Committees	237	32	24

Language	Course Level	Education	Prerequisite Courses	Course Coordinator
English	Undergraduate	Face to Face	DTC100,DPC100	Assist. Prof. Dr. İzgen Karakaya

Aim of the Course

Teaching the basics of dental practices; teaching the aetiology, classification, formation and symptoms of dental diseases like dental caries, root canal infections and periodontal diseases; teaching the conventional and modern techniques, devices and materials used for the diagnosis and treatment of dental diseases; teaching the materials and methods used for the application of fixed prosthetic restorations; teaching the basics of microbiology, immunology and the diseases in a relation with dentistry; teaching the histology, anatomy and physiology of central nervous system; introducing the general terminology of pharmacology and pathology, teaching the diseases with oral symptoms and the systemical diseases and the interactions of used medicines that the dentist should be cautiousness.

Committees

Committee Code	Committee Name	T+P	ECTS
CS1	Diseases and Treatments of Dental Tissues-I	46	5
CS2	Fixed Prosthetic Restorations	24	2
CS3	Diseases and Treatments of Dental Tissues-II	23	2
CS4	Diseases and Treatments of Dental Tissues-III	25	2
BMS1	Basics of Diseases-I	38 +26	4
BMS2	Central Nervous System	28 +6	3
BMS3	Basics of Diseases-II	53	6

NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM

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

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
46		Assist. Prof. Dr. İzgen Karakaya

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

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

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

Endodontics	Isolation and Rubber-dam	1
Restorative Dentistry	Cavity Disinfectants	1
	Pulp Capping Materials	2
Pedodontics	Glass Ionomer Cements	2
Restorative Dentistry	Cavity Liners and Temporary Filling Materials	2
	Direct and Indirect Pulp Capping	1

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

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

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

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

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

**NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM**

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

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
24	-	Assist. Prof. Dr. Salim Ongun

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

Learning Objectives

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

Content of Committee

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

Learning and Teaching Techniques of the Courses

<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management Preparation & Presentation of Report Team Work Brainstorming
<input type="checkbox"/>	Discussion	<input type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	Question & Answer	<input type="checkbox"/>	Case Observation	<input type="checkbox"/>	
<input type="checkbox"/>	Observation	<input type="checkbox"/>	Problem / Problem Solving	<input type="checkbox"/>	

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

Quantification and Consideration

<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Internship	<input type="checkbox"/>	Project
<input type="checkbox"/>	Laboratory	<input type="checkbox"/>	Homework	<input type="checkbox"/>	Mid-term
<input type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	Committee Exam

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

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

**NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM**

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

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
23	-	Assist. Prof. Dr. Damla Akşit Bıçak

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

Learning Objectives

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

Content of Committee

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

Learning and Teaching Techniques of the Courses

<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Preparation & Presentation of
<input checked="" type="checkbox"/>	Question & Answer	<input type="checkbox"/>	Case Observation	<input type="checkbox"/>	Team Work
<input type="checkbox"/>	Observation	<input type="checkbox"/>	Problem / Problem Solving	<input type="checkbox"/>	Brainstorming

References

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

Quantification and Consideration

<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Internship	<input type="checkbox"/>	Project
<input type="checkbox"/>	Laboratory	<input type="checkbox"/>	Homework	<input type="checkbox"/>	Mid-term
<input type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	Committee Exam

Contribution of Learning Objectives to Program Competencies

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

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

**NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM**

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

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
25	-	Assist. Prof. Dr. Hayriye Tümer

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

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

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

Learning and Teaching Techniques of the Courses					
<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Preparation & Presentation of
<input checked="" type="checkbox"/>	Question & Answer	<input type="checkbox"/>	Case Observation	<input type="checkbox"/>	Team Work
<input type="checkbox"/>	Observation	<input checked="" type="checkbox"/>	Problem / Problem Solving	<input type="checkbox"/>	Brainstorming

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

Quantification and Consideration					
<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Internship	<input type="checkbox"/>	Project
<input type="checkbox"/>	Laboratory	<input type="checkbox"/>	Homework	<input type="checkbox"/>	Mid-term
<input type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	Committee Exam

Contribution of Learning Objectives to Program Competencies															
	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15
LO1	2	3	3	1	1	1	2	2	1	1	1	1	1	1	1
LO2	2	1	1	1	1	1	1	4	1	1	1	1	1	1	1
LO3	3	3	3	2	1	1	2	1	1	1	1	1	1	1	1
LO4	2	3	3	3	1	1	2	1	1	1	1	1	1	1	1
LO5	3	2	3	2	1	1	1	3	1	1	1	1	1	1	1
LO6	3	2	3	2	1	1	1	3	1	1	1	1	1	1	1
LO7	3	2	3	2	1	1	1	3	1	1	1	1	1	1	1
Level of	1:None			2:Weak			3:Moderate			4:Good			5:Perfect		

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

**NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM**

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

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

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

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

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

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

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

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

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

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

**NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM**

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

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

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

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

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

Learning and Teaching Techniques of the Courses					
<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input checked="" type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Preperation & Presentation of
<input checked="" type="checkbox"/>	Question & Answer	<input checked="" type="checkbox"/>	Case Observation	<input type="checkbox"/>	Team Work
<input type="checkbox"/>	Observation	<input checked="" type="checkbox"/>	Problem / Problem Solving	<input type="checkbox"/>	Brainstorming

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

Quantification and Consideration					
<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Internship	<input type="checkbox"/>	Project
<input checked="" type="checkbox"/>	Laboratory	<input type="checkbox"/>	Homework	<input type="checkbox"/>	Mid-term
<input checked="" type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	Committee Exam

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

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

**NEAR EAST UNIVERSITY FACULTY OF DENTISTRY
COMMITTEE DESCRIPTION FORM**

Type of Committee	Code of Committee	Name of Committee	ECTS
Basic Medical Sciences	BMS-2	Basics of Diseases-II	6

Theoretical (Hour)	Practical (Hour)	Committee Coordinator
56	-	Zehra Edebal, M.D. Spc.

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

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

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

Learning and Teaching Techniques of the Courses					
<input checked="" type="checkbox"/>	Expression	<input type="checkbox"/>	Experiment	<input type="checkbox"/>	Project Design / Management
<input checked="" type="checkbox"/>	Discussion	<input type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Preparation & Presentation of
<input checked="" type="checkbox"/>	Question & Answer	<input checked="" type="checkbox"/>	Case Observation	<input type="checkbox"/>	Team Work
<input type="checkbox"/>	Observation	<input checked="" type="checkbox"/>	Problem / Problem Solving	<input type="checkbox"/>	Brainstorming

References
1. Robbins Basic Pathology Tenth Edition, ELSEVIER
2. WHO Head and Neck Tumours
3. Rosai and Ackerman's Surgical Pathology
4. Lippincott Illustrated Reviews: Pharmacology
5. Genetics and Molecular Biology
6. Course Materials

Quantification and Consideration

<input checked="" type="checkbox"/>	Attendance	<input type="checkbox"/>	Clinical Internship	<input type="checkbox"/>	Project
<input type="checkbox"/>	Laboratory	<input type="checkbox"/>	Homework	<input type="checkbox"/>	Mid-term
<input type="checkbox"/>	Practical / Implementation	<input type="checkbox"/>	Presentation	<input checked="" type="checkbox"/>	Committee Exam

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

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