

Dentistry (English)			
Bachelor	TR-NQF-HE: Level 6	QF-EHEA: First Cycle	EQF-LLL: Level 6

Course Introduction and Application Information

Course Code:	DENT326		
Course Name:	Oral Surgery		
Semester:	Spring		
Course Credits:	<div>ECTS</div> <div>2</div>		
Language of instruction:	English		
Course Condition:			
Does the Course Require Work Experience?:	No		
Type of course:	Compulsory Courses		
Course Level:	<div>Bachelor</div> <div>TR-NQF-HE:6. Master`s Degree</div> <div>QF-EHEA:First Cycle</div> <div>EQF-LLL:6. Master`s Degree</div>		
Mode of Delivery:	Face to face		
Course Coordinator:	Dr. Öğr. Üy. RİZA KEREM DEDEOĞLU		
Course Lecturer(s):	Dr. R. Kerem Dedeoğlu		
Course Assistants:			

Course Objective and Content

Course Objectives:	<p>A. Armamentarium for Basic Oral Surgery</p> <ol style="list-style-type: none"> 1. List the names and numbers of commonly used extraction forceps and discuss the mechanical principles involved in the removal of teeth. 2. Describe the basic features of extraction forceps and discuss how these features are used in
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selecting specific forceps for specific teeth.

3. List the names and numbers of commonly used dental elevators and describe their features. Discuss the mechanical principles involved in their uses.

4. List the names and numbers of other dental instruments used in oral surgery and discuss their uses.

5. Discuss the use of general surgery instruments in oral surgery.

B1. Principles of Surgery

1. List the elements usually included in the development of a surgical diagnosis.

2. Discuss the principles of tissue handling and mucoperiosteal flap design.

3. Describe the elements employed in hemostasis, how it pertains to oral surgical procedures, and the means of promoting hemostasis in wounds in the oral cavity.

4. Describe the various methods of wound closure, kinds of suture materials and instruments available, and basic suturing techniques employed in oral surgery.

5. Discuss the concept of edema control and its significance in oral surgery. Describe the techniques used in controlling edema about the mouth.

B2. Wound Repair

1. Describe the several elements in the physical and chemical causes of tissue damage.

Describe epithelialization and its particular significance in the healing of wounds of skin and mucous membrane.

2. List the stages of wound healing and discuss the mechanism and significance of each.

3. List the factors that impair wound healing.

4. Describe the healing of extraction sockets and bone healing generally.

C. Evaluation of Health Status

1. Reproduce the standard format for recording the results of history and physical examinations.

2. Discuss the management of oral surgery patients with compromising medical conditions.

3. Discuss the management of pregnant and postpartum patients.

D. Prevention and Management of Medical Emergencies

1. Describe the impact of a prevention philosophy on the management of emergencies.

2. Discuss the creation of a prevention and treatment plan for a dental office for medical emergencies, and describe the involvement in that plan of the professional and auxiliary staff.

3. Describe the management of a patient with a hypersensitivity reaction.

4. Describe the management of a patient exhibiting chest discomfort and discuss the differential diagnosis of acute onset chest pain.

5. Discuss the management of patients with respiratory difficulty; describe the management of patients with asthma, hyperventilation syndrome, COPD, and foreign body aspiration.

6. Describe the management of patients exhibiting altered consciousness in the dental setting.

7. Discuss management of patients with a history of seizures and describe the management of an acute seizure.

8. Discuss management of patients presenting with a history of diabetes mellitus, thyroid dysfunction, adrenal insufficiency, and cerebral vascular compromise. Describe the management of acute phases of these conditions should they occur in the dental environment.

E. Principles of Uncomplicated Exodontia

1. List the factors which influence the degree of difficulty in the removal of erupted teeth.

Describe the clinical and radiographic evaluation of each factor.

	<ol style="list-style-type: none"> List the indicators for tooth removal. List the systemic contraindications for tooth removal. List the local contraindications for tooth removal. Describe the principles of operator and assistant positions and patient chair position for dentoalveolar surgery, and discuss their significance. Describe the specific techniques and the mechanical principles involved for the removal of each tooth. Describe the post extraction care of the tooth socket. <p>F. Principles of Complicated Exodontia</p> <ol style="list-style-type: none"> List the design parameters for mucoperiosteal flaps. Discuss the types of mucoperiosteal flaps and describe situations where each type should be chosen. Describe the technique for surgical flap development. Discuss the principles and techniques of suturing. List the indications for surgical extractions. Describe the technique for the open extraction of single-rooted teeth and for multi-rooted teeth. Discuss principles and techniques of multiple extractions. <p>G1. Prevention and Management of Surgical Complications</p> <ol style="list-style-type: none"> Discuss the role of prevention in the management of complications. Discuss the most common types of soft tissue injuries that may occur; discuss their causes and describe their treatment. Discuss the most common injuries to bone and teeth; discuss their causes and describe their treatment. Describe complications affecting the maxillary sinus; discuss disposition and treatment options. Discuss postoperative bleeding and its treatment. Describe methods to control major or persistent hemorrhage. Discuss alveolar osteitis and describe its treatment. <p>G2. Postoperative Patient Management</p> <ol style="list-style-type: none"> Discuss the control of routine postoperative bleeding and the principles involved. Describe the management of postoperative pain and discomfort and the principles involved. Demonstrate a basic knowledge of postoperative analgesics. Discuss the general area of postoperative professional responsibility.
Course Content:	<p>A. Armamentarium</p> <p>B. Oral Surgery for the General Dentist (Chapters 3 and 4)</p> <p>C. Health Status (Chapter 1)</p> <p>D. Emergencies (Chapter 2)</p> <p>E. Uncomplicated Exodontia (Chapter 7)</p> <p>F. Complicated Exodontia (Chapters 8 and 10)</p>

F. Complications (Chapter 11)

Learning Outcomes

The students who have succeeded in this course;

Course Flow Plan

Week	Subject	Related Preparation
1)	Oral Surgery for the general dentist	
1)	Oral surgery for the general dentist	Ref book
2)	Donanim	
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3)	Oral surgery for the general dentist	Ref book
4)	Sistemic 7general health evaluation	Ref book
6)	Emergencies	Ref book
7)	Non-complicated tooth extractions	Ref book
8)	Complicated tooth extractions	Ref book
9)	Wound healing	Ref book
9)	Wound healing	Ref book
10)	Wound healing	Ref book
11)	Management of complications	Ref book
12)	Management of complications	Ref book
13)	Medicolegal	Ref book
14)	Semester review	Ref book

Sources

Course Notes / Required Text: Ellis III, E.; Hupp, Jr., JR; and Tucker, M.R.; Contemporary Oral and

Textbooks:	Maxillofacial Surgery., 7th Edition, c2019 ISBN: 9780323552219
References:	Ellis III, E.; Hupp, Jr., JR; and Tucker, M.R.; Contemporary Oral and Maxillofacial Surgery., 7th Edition, c2019 ISBN: 9780323552219

Course - Program Learning Outcome Relationship

Course Learning Outcomes
Program Outcomes
1) Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice.
2) Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.
3) Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by analyzing and synthesizing it.
4) Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level.
5) Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations.
6) Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms.
7) Within the framework of social, scientific, and ethical values including patient privacy, communicates with patients and their relatives, knows all the characteristics of the patient, and recommends the most appropriate treatment with a patient-centered approach.
8) Follows technological developments, participates in national and international studies, and shares and presents own observations, experiences, and research to further advance dental practices.
9) By adopting the principle of lifelong learning throughout the dentistry profession, follows current evidence-based dental knowledge and uses it during his professional practice.
10) During dental practice, in cases such as abuse and addiction, performs the treatment by exhibiting the behaviors required by social ethics and legal rules, and collects and records the relevant data.
11) Uses basic and current knowledge in the field of dentistry during professional practice for the benefit of society within the framework of national values and country realities.
12) In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society
13) Generates ideas regarding health policy in dentistry, prioritizes individual and public health, and carries out

preventive and therapeutic medical practices within the framework of scientific, ethical, and quality processes.

Course Learning Outcomes

14) Differentiates the signs and symptoms commonly encountered in the dentistry profession, makes a treatment plan and refers when necessary, and manages diseases and clinical situations regarding their urgency and patient priority.

15) Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice.	
2)	Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	
3)	Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by analyzing and synthesizing it.	
4)	Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level.	
5)	Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations.	
6)	Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms.	
7)	Within the framework of social, scientific, and ethical values including patient privacy, communicates with patients and their relatives, knows all the characteristics of the patient, and recommends the most appropriate treatment with a patient-centered approach.	
8)	Follows technological developments, participates in national and international studies, and shares and presents own observations, experiences, and research to further advance dental practices.	
9)	By adopting the principle of lifelong learning throughout the dentistry profession, follows current evidence-based dental knowledge and uses it during his professional practice.	

10)	During dental practice, in cases such as abuse and addiction, performs the treatment by exhibiting the behaviors required by social ethics and legal rules, and collects and records the relevant data.	
11)	Uses basic and current knowledge in the field of dentistry during professional practice for the benefit of society within the framework of national values and country realities.	
12)	In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society	
13)	Generates ideas regarding health policy in dentistry, prioritizes individual and public health, and carries out preventive and therapeutic medical practices within the framework of scientific, ethical, and quality processes.	
14)	Differentiates the signs and symptoms commonly encountered in the dentistry profession, makes a treatment plan and refers when necessary, and manages diseases and clinical situations regarding their urgency and patient priority.	
15)	Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.	

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Midterms	1	% 40
Final	1	% 60
total		% 100
PERCENTAGE OF SEMESTER WORK		% 40
PERCENTAGE OF FINAL WORK		% 60
total		% 100

Workload and ECTS Credit Calculation

Activities	Number of Activities	Preparation for the Activity	Spent for the Activity Itself	Completing the Activity Requirements	Workload
Course Hours	13	1	1		26
Midterms	1	4	1		5

Final	1	6	1		7
Total Workload					38