Eskisehir Osmangazi University Faculty of Dentistry

DESCRIPTION

Annual Course	**Y**
Semester Course	**D**
Electıve Course	**S**
European Credit Transfer System	**ECTS**

S. NO	1.CLASS	Course Code	Semester	Semester				Total Lesson Hour	Course Credıt	ECTS
				Fall Theory	Fall Pratice	Spring Theory	Spring Pratice			
1	Atatürk Principles and Revolution History	161112015	Y	2		2		4	4	4
2	Turkish Language	161112001	Y	2		2		4	4	4
3	Foreign Language	161112002	Y	2		2		4	4	4
4	Biostatistics and computer	161112003	Y	2		2		4	4	5
5	Behavorial Sciences	161112004	Y	1		1		2	2	2
6	Prosthodontics I	161112005	Y	2	6	2	6	16	10	14
7	Biochemistry	161112006	Y	2	1	2	1	6	5	6
8	Socıal Electıve Course		Y-S	1		1		2	0	2
9	Organic Chemistry	161112007	D	1				1	2	2
10	History of Dentistry	161112008	Y	1		1		2	2	2
11	Anatomy I	161112009	Y	1	1	1	1	4	3	4
12	Physics	161111001	D	2				2	2	2
13	Epidemiology	161111002	D	1				1	1	1
14	Medical Biology	161111003	D	2				2	2	3
15	Biophysics	161112016	D			2		2	2,5	3
16	Medical Genetics	161112011	D			2		2	2	2
			TOTAL	**22**	**8**	**20**	**8**	**58**	**49,5**	**60**

SOCIAL ELECTIVE COURSE

Garden Design, Treating And Greenhause Culture	161112013
Physical Education	161112014

S. NO	2. CLASS	Course Code	Semester	Semester				Total Lesson Hour	Course Credıt	ECTS
				Fall Theory	Fall Pratice	Spring Theory	Spring Pratice			
1	Histology-embriology	161114003	Y	2	1	2	1	6	5	6
2	Physiology	161114011	Y	4		4		8	5	5
3	Anatomy II	161114005	Y	2	2	2	2	8	6	6
4	Microbiology-Bacteriology	161114006	Y	2	1	2	1	6	5	6
5	Restorative Dentistry I	161114007	Y	2	4	2	4	12	8	9
6	Prosthodontics II	161114008	Y	2	8	2	8	20	12	12
7	Material Sciences	161114009	Y	2		2		4	4	4
8	Professional English	161114010	Y	2		2		4	4	4
9	Oral Diagnosis I	161114012	Y	1		1		2	1	2
10	Oral Biochemistry	161113002	D	1	1			2	1,5	2
11	Oral Microbiology	161114001	D			1	1	2	1,5	2
12	Endodontics I	161114002	D			2		2	2	2
			TOTAL	**20**	**17**	**22**	**17**	**76**	**55**	**60**

S. NO	3. CLASS	Course Code	Semester	Semester				Total Lesson Hour	Course Credıt	ECTS
				Fall Theory	Fall Pratice	Spring Theory	Spring Pratice			
1	Oral Anesthesia I	161116002	Y	1		1		2	2	2
2	Pharmacology	161116003	Y	2		2		4	4	4
3	Orthodontics I	161116015	Y	1		1		2	2	3
4	Restorative Dentistry II	161116005	Y	1	7	1	7	16	9	9
5	Prosthodontics III	161116006	Y	2	7	2	7	18	11	11
6	Oral Diagnosis and Radiology I	161116007	Y	1		1		2	2	3
7	Oral, Dental And Jaw Surgery I	161116016	Y	2		2		4	4	5
8	Periodontology I	161116017	Y	2		2		4	4	5
9	Pathology	161116010	Y	2		2		4	4	5
10	Pediatric Dentistry I	161116011	Y	1		1		2	2	3
11	Fırst Aıd And Emergency Services	161116018	Y	1		1		2	2	3
12	Endodontics	161116013	Y	2	2	2	2	8	6	6
13	Ethics And Deontology	161116001	D			1		1	1	1
14	Clinical Observation	161116014	Y		4		4	8	0	0
			TOTAL	**18**	**20**	**19**	**20**	**77**	**53**	**60**

S. NO	4. CLASS	Course Code	Semester	Semester				Total Lesson Hour	Course Credıt	ECTS
				Fall Theory	Fall Pratice	Spring Theory	Spring Pratice			
1	Orthodontics II	161118002	Y	2		2		4	4	5
2	Prosthodontics IV	161118003	Y	2		2		4	4	5
3	Endodontics III	161118004	Y	1		1		2	2	4
4	Oral Diagnosis and Radiology II	161118005	Y	2		2		4	4	5
5	Oral, Dental And Jaw Surgery II	161118006	Y	1		1		2	2	5
6	Periodontology II	161118007	Y	2		2		4	4	5
7	Pediatric Dentistry II	161118008	Y	2		2		4	4	5
8	Restorative Dentistry III	161118009	Y	1		1		2	2	3
9	Oral and Maxillofacial Diseases	161117001	D	2				2	2	2
10	Oral Implantology	161118001	D			2		2	2	2
11	Clinicial Training		Y	0	20	0	20	40	18	19
			TOTAL	**15**	**20**	**15**	**20**	**70**	**48**	**60**

4. Class Clinicial Training		Course Code	Semester	Theory	Pratice	Course Credıt	ECTS
1	Clinicial Training I of Orthodontics	161118018	Y		18	2	2
2	Clinicial Training I of Restorative Dentistry	161118019	Y		18	2	2
3	Clinicial Training I of Prosthodontics	161118020	Y		36	4	5
4	Clinicial Training I of Endodontics	161118021	Y		18	2	2
5	Clinicial Training I of Oral Diagnosis and Radiology	161117001	Y		18	2	2
6	Clinicial Training I of Oral and Maxillofacial Surgery	161118023	Y		36	2	2
7	Clinicial Training I of Pedodontics	161118024	Y		18	2	2
8	Clinicial Training I of Periodontics	161118025	Y		18	2	2
			TOTAL	**0**	**180**	**18**	**19**

S. NO	5. CLASS	Course Code	Semester	Semester				Total Lesson Hour	Course Credıt	ECTS
				Fall Theory	Fall Pratice	Spring Theory	Spring Pratice			
1	Oral, Dental And Jaw Surgery III	161120001	Y	1		1		2	2	2
	Seminar	161120002	Y	1		1		2	2	4
2	Jaw Face Prosthesis	161120004	D			1		1	1	2
3	General Surgery	161119001	D	1				1	1	2
4	Internal Diseases - Hematology	161119002	D	1				1	1	2
5	Disorders Of The Temporomendibular Joint And Ted.	161119003	D	1				1	1	2
6	Eye Diseases	161119004	D	1				1	1	2
7	Skin and Veneral Diseases	161119005	D	1				1	1	2
8	Examination Direct. And Ergonomics	161120005	D			1		1	1	2
9	Ear Nose Throat Diseases	161119006	D	1				1	1	2
10	Neurology	161119007	D	1				1	1	2
11	Topographic Head-Neck Anatomy	161120006	D			1		1	1	2
12	Research Tech. and Presentation	161119008	D					1	1	2
13	Community Oral - Dental Health	161120007	D			1		1	1	2
14	Psychiatry	161120008	D			1		1	1	2
15	Forensic And Forensic Dentist	161120009	D			1		1	1	2
16	Medical Criminal Law	161120010	D			1		1	1	2
17	Restorative Dentistry IV	161120003	D	1		1		1	1	2
18	Digital Dentistry	161119009	D	1				1	1	2
19	Clinical Training		Y	0	20		20	40	19	20
			TOTAL	**11**	**20**	**10**	**20**	**61**	**40**	**60**

	5. Class Clinicial Training	Course Code	Semester	Theory	Pratice	Course Credıt	ECTS
1	Clinicial Training II of Orthodontics	161120019	Y		18	2	2
2	Clinicial Training II of Restorative Dentistry	161120020	Y		18	2	2
3	Clinicial Training II of Prosthodontics	161120021	Y		36	4	4
4	Clinicial Training II of Endodontics	161120022	Y		18	2	2
5	Clinicial Training II of Oral Diagnosis and Radiology	161120023	Y		18	2	2
6	Clinicial Training II of Oral and Maxillofacial Surgery	161120024	Y		36	4	4
7	Clinicial Training II of Pedodontics	161120025	Y		18	2	2
8	Clinicial Training II of Periodontics	161120026	Y		18	2	2
			TOTAL	**0**	**180**	**20**	**20**

TOTAL CREDITS	**245,5**
Total Lesson Hour	**342**
TOTAL ECTS	**300**
SEMINAR	**4**

ESOGU FACULTY OF DENTISTRY
COURSE INFORMATION FORM

CLASS	1

COURSE CODE	161112015	COURSE NAME	Atatürk's Pr. & The History of Rev. I-II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
1-2	4	0	0	4	4	COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
General Literature	Foreign Languages	Comparative Literature	Social Science
			x

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM EXAM	1st Mid-Term	1	30
	2nd Mid-Term	1	30
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	40

PREREQUIEITE(S)	None
COURSE DESCRIPTION	The Description of the term "revolution"; major historical events in the Ottoman Empire to the end of World War I; a general overview of Mustafa Kemal's life; certain associations and their activities; arrival of Mustafa Kemal to Samsun; the congresses, gathering of the last Ottoman Assembly and the proclamation of the "national oath"; opening of the Turkish Grand National Assembly; War of independence to the Victory of Sakarya; Victory of Sakarya; financial sources of the war of independence; grand counter-attack; Armistice of Mudanya; abolution of the Sultanate; Peace Conference of Lausanne.
COURSE OBJECTIVES	To help the students to appreciate the hard conditions under which the war of independence, under the leadership of Mustafa Kemal, was fought and how an independent Turkish state was created.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	To underline the idea that the national unity based on the principle "peace in the country peace in the world" can only be achieved through political, economic and military progress.
COURSE OUTCOMES	At the end of this course; students Explains Principles of Atatürk and main concepts related to Revolution Explians the concepts of Reform/Revolution, Describes the concept of National Forces, Explains the concepts of Republic/Democracy, Explains the main points of the period related to Turkish War of Independence and foundation of the Turkish State, Explains the developments at Ottoman Empire before Turkish Revolution, Describes the World War I and its results,.Explains Turkish War of Independence, Recognizes Turkish Revolution, Explains the relations problems between Turkey and its neighbours, Explains the importance of Turkey at Europe and World.
TEXTBOOK	Gazi Mustafa Kemal Atatürk, Nutuk (Söylev), C. I-II, TTK., Ank., 1986. İmparatorluktan Ulus Devlete Türk İnkılâp Tarihi, Cemil Öztürk (ed.), Ank., 2011.
OTHER REFERENCES	Niyazi Berkes, Türkiye'de Çağdaşlaşma, İstanbul, 1978. Enver Ziya Karal, Atatürk ve Devrim (Konferanslar ve Makaleler), TTK., Ank., 1980. Enver Ziya Karal, Atatürk'ten Düşünceler, MEB. Yay., Ankara, 1981. Bernard Lewis, Modern Türkiye'nin Doğuşu, Çev.M.Kıratlı, TTK., Ank., 1970. Ahmet Mumcu, Tarih Açısından Türk Devriminin Temelleri ve Gelişimi, Ank., 1976.
TOOLS AND EQUIPMENTS REQUIRED	

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Mudanya Armistice Agreement.
2	Abolution of sultanate. Lausanne Treaty.
3	Declaration of Republic
4	Abolution of caliphate and lodges
5	Constitutional developments in Turkey. Internal and external political developments in the period of Atatürk's and Inönü's.
6	Mid-Term Examination 1
7	The political currents that effected Turkish revolution. Democratic law state.
8	The political currents that effected Turkish revolution. Democratic law state
9	Establishment of the Turkish law and educational system
10	Revolution movements in education, culture and health,
11	Mid-Term Examination 2
12	Nationalism, Etatism and Populism.
13	Securalism, Revoluationism
14	General ecalutation.
15,16	Final Exam

NO	PROGRAM OUTCOMES	3	2	1
1	Contribute to the level of professional knowledge		X	
2	Develop professional communication skills	X		
3	Create to current information on the ability of the program to reach		X	
4	Gain the ability to communicate and exchange information with counterparts in the field of professional practice.	X		
5	Gain awareness of the application of the rules of professional deontology		X	
6	Have a basic level of knowledge related to the field of health			X
7	Be able to use technological products related to the field		X	
8	Gain required hand skills related to the field			X
9	Gain the habit of ability to practice sterilization, disinfection, and antisepsi			X
10	Gain the ability to solve problems that may arise during the professional practice in a healthy way	X		
11	Gain the authority to make decisions quickly and accurately related to the field	X		
12	Have information about the health care legislation			X
13	Gain awareness of professional responsibility	X		
14	Gain the required knowledge and experience in occupational safety			X
15	Contribute to the intellectual level	X		
1: None. **2**: Partially contribution. **3**: Completely contribution.				

ESOGU FACULTY OF DENTISTRY
COURSE INFORMATION FORM

CLASS	1

COURSE CODE	161112001	COURSE NAME	Turkısh Language I

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
	4	0		4	4	COMPULSORY ( ) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Vocational Courses	Basic Field Courses	Social Courses	Supportive Courses

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM EXAM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	None
COURSE DESCRIPTION	Description and features of language, languages of the world, Position of Turkish among other languages, historical development of Turkish, development of western Turkish, Atatürk's ideas and projects on Turkish, pronunciation and punctuation, language policies.
COURSE OBJECTIVES	The subject of the course is to expose the value of Turkish language by giving information about development of Turkish language, to gain national language awareness, to develop reading and writing skills, to compare and contrast Turkish language to other languages, to compare and contrast language policy of developed countries to Turkish language policy, to gain skill of speaking.
CONTRIBUTION TO APPLY PROFESSIONAL EDUCATION ON COURSE	Develop the ability of using Turkish properly at the business life.
COURSE OUTCOMES	Learn Turkish grammar Gain an understanding of the position of Turkish among other languages Gain an understanding of history of Turkish language Gain knowledge about Turkish languages in the world Develop the ability of using Turkish properly Learn the language policies Gain writing skill Gain speaking skill Learn sentence structure and analyzing Be able to realize Turkish vowels Be able to realize formation of Turkish Be able to read and comprehend Be able to speak simultaneously Be able to write compositions
TEXTBOOK	1. Kültür, M. E., "Üniversiteler İçin Türk Dili", Bayrak Yayınları, İstanbul, 1997. **2. "Türk Dil Yazım Kılavuzu", TDK Yayınları, 24. baskı, Ankara, 2005**
OTHER REFERENCES	1. Kaplan, M., "Kültür ve Dil", 8. baskı, ,Dergah Yayınları, İstanbul, 1993. 2. Fuat, M., "Dil Üstüne", Adam Yayınları, İstanbul, 2001. 3. Ercilasun, A. B., "Başlangıçtan Yirminci Yüzyıla Türk Dili Tarihi", Akçağ Yayınları, 1. baskı, Ankara, 2004. 4. Aksan, D., "Türkçe'nin Gücü", Bilgi Yayınevi, 4. baskı, Ankara, 1997. 5. Karamanlıoğlu, A., "Türk Dili", Degah Yayınları, 3. baskı, İstanbul, 1984. 6. Anday, M. C., "Dilimiz Üstüne Konuşmalar", YKY, İstanbul, 1996. 7. Karaağaç, G., "Dil Tarih ve İnsan", Akçağ Yayınevi, Ankara, 2002. 8. Aksan, D., "Dil Şu Büyülü Düzen", Bilgi Yayınevi, Ankara, 2003. 9. Banarlı, N. S., "Türkçe'nin Sırları", 18. baskı, Kubbealtı Neşriyatı, **İstanbul, 2002**
TOOLS AND EQUIPMENTS REQUIRED	DVD, VCD, projection, computer

OURSE SYLLABUS	
WEEK	**TOPICS**
1	Language. (Language- nation relationship/ language- culture relationship)
2	All Languages in the world. How basic Turkish Language is amongst other Languages.
3	The historical development of Turkish language
4	The historical development of Turkish language
5	The alphabets of the Turks, Classification of Turkish dialects
6	Phonetics.
7	**MİD-TERM EXAM**
8	The words for meanings and functions.
9	The words for meanings and functions.
10	The words for meanings and functions.
11	The type of the words according their semantic features
12	Derivational and inflexional suffix
13	Word groups
14	Phrase information
15	**FİNAL EXAM**

NO	PROGRAM OUTCOMES	3	2	1
1	Contribute to the level of professional knowledge	X		
2	Develop professional communication skills		X	
3	Create to current information on the ability of the program to reach		X	
4	Gain the ability to communicate and exchange information with counterparts in the field of professional practice.		X	
5	Gain awareness of the application of the rules of professional deontology		X	
6	Have a basic level of knowledge related to the field of health			X
7	Be able to use technological products related to the field		X	
8	Gain required hand skills related to the field		X	
9	Gain the habit of ability to practice sterilization, disinfection, and antisepsi			X
10	Gain the ability to solve problems that may arise during the professional practice in a healthy way		X	
11	Gain the authority to make decisions quickly and accurately related to the field			X
12	Have information about the health care legislation		X	
13	Gain awareness of professional responsibility			X
14	Gain the required knowledge and experience in occupational safety		X	
15	Contribute to the intellectual level			X
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	1

COURSE CODE	161112002	COURSE NAME	ENGLISH

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
FALL & SPRING	2	0	0	4	4	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
			X

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	20
	2nd Mid-Term	1	20
	Quiz	2	10
	Homework (LMS)	2	10
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	40

PREREQUIESITE(S)	
COURSE DESCRIPTION	Description: The aim of the course is to teach students basic grammar rules in elementary level, give them speaking, writing, reading and listening knowledge of English. It consists of content and activities aimed at having students acquire Beginner's Level (A1and partly A2) English language skills according to evaluation and reference system of The Common European Framework.
COURSE OBJECTIVES	1. Use the basic grammar of English, 2. Use the target language in classroom, 3. Understand and respond dialogues, 4. Comprehend reading passages in English, 5. Communicate with native speakers
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUCATION	
COURSE OUTCOMES	Students can do the following things in spoken or written English after the course: Understand and use classroom (online) language; alphabet – letters; numbers; pronouns; dates and months Say where people and things are from Exchange information about his/her family Start and finish a basic conversation Take and leave a simple phone message Order food in a restaurant Ask people for things and give people things Go shopping at a market Understand a store guide and ask for what he/she wants, and shop in a department store Understand and tell a simple story Identify a person from a simple description Book a train ticket Understand signs and rules

	Explain the reasons for his/her actions/plans Describe what he/she does every day; describe other people's routines; describe his/herself and other people; describe where he/she lives; describe a visit to a city; describe a place; describe people and understand descriptions; describe what people are doing now; describe problems and ask for solutions; describe personal experiences Make comparisons between things and people, compare one thing with several others; make and respond to suggestions Ask for, give and follow simple directions and instructions; check instructions and information and ask for repetition TALK and ASK ABOUT jobs; everyday objects; what he/she does on holiday; what he/she does in his/her free time; his/her abilities; other people's abilities; quantities; his/her diet and lifestyle; his/her home and about things he/she has; things he/she need to furnish a home; the past and past events in his/her life; the weather; what he/she wears; personal preferences; appearance and personalities; other people's experiences; his/her education; intentions; likes, dislikes, plans and ambitions Complete a form with personal information Use punctuation (1): capital letter; (2): full stops and question marks; (3): dashes and exclamation mark; (4): apostrophes Join sentences (1): and, then, after that; (2): and, but, or; (3): because, so; (4): first, later, in the end use paragraphs Write about his/her routine; a short message; an informal email; a postcard, a short biography; a description of an event; a message for an online message board; a thank you letter make his/her writing more interesting Respond to an event in writing
TEXTBOOK	Foley M., Hall D. (2017). *New Total English Elementary Students' Book*. Pearson Education Limited
OTHER REFERENCES	Murphy, R. (2004) Essential Grammar in Use.Cambridge University Press
TOOLS AND EQUIPMENTS REQUIRED	Computer, Webcam, Speakers; or Smart phone, Internet Connection, Applications and Software for Office and Audio-Visual Materials

COURSE SYLLABUS	
WEEK	**TOPICS**
	FALL TERM
1	Introduction to the course - to be: positive
2	Possessive's - Possessive adjectives - to be: questions
3	a/an - to be: negative
4	Present Simple: I/you/we
5	Present Simple: he/she/it/they
6	Noun plurals - this, that, these, those
7	Adverbs of frequency
8	can/can't
9	Countable and uncountable nouns, much/many/a lot of - a/an, some and any
10	MID-TERM WEEK
11	MID-TERM WEEK
12	Object pronouns there is/there are - have got, Modifiers (very, quite, really)
13	NEW YEAR
14	Past Simple of to be: all forms
15	Past Simple of regular verbs: positive
16	Past Simple: irregular verbs
	SPRING TERM
1	Past Simple: questions and negatives
2	Articles
3	Pronouns one/ones - Possessive pronouns
4	Present Continuous
5	Position of adjectives
6	Present Simple and Present Continuous
7	Comparison of adjectives - Superlative adjectives
8	like/love/hate /prefer -ing form as noun
9	APRIL 23rd
10	MID-TERM WEEK
11	MID-TERM WEEK
12	Present Perfect with been: I/we/you/they
13	Present Perfect: he/she/it
14	can/can't, have to/don't have to
15	Review of wh- questions
16	The imperative, **be going to, Infinitive of purpose**
17	Revision of be going to, like and would like

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.			**X**
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.			**X**
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.			**X**
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		**X**	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	**X**		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		**X**	
7	Consciousness of professional and ethic responsibility		**X**	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.			**X**
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	1

COURSE CODE	161112003	COURSE NAME	BIOSTATISTICS AND COMPUTER

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
FALL AND SPRING	2+2	0	0	4	5	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
	X		

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	None
COURSE DESCRIPTION	Appropriate research designs for answering research questions of importance in dentistry are examined. An array of biostatistical methods that are commonly used in the dental literature to evaluate new dental products and methodologies are discussed. The course comprises a combination of lecture material on fundamental statistical information and small group seminars in which samples of articles and data from the dental literature will be discussed. One session will be devoted to a demonstration of the use of Statistical Packages for compiling a database suitable for statistical analyses. This course provides the starting point for the student to complete the dissertation requirements.
COURSE OBJECTIVES	At the end of this course, students will be able to; •Understand the structure of various types of data sets and which analytical methods can be used to evaluate the questions asked by the dental investigator. •Read articles in the dental literature with an understanding of the appropriateness of the study design in relationship to the hypotheses posed by the investigator. Determine if conclusions in the dental literature that are based upon utilization of appropriate study design and biostatistical methodologies are valid. •Be able to ask a research question of their own, design an appropriate study to answer that question, anticipate the structure of the data that will be derived, and determine which biostatistical tests will be used to analyze that data set.

	•Understand the language of biostatistics and study design in order to be able to knowledgeably work with a biostatistical consultant. •Prepare yourself for completion of the thesis requirements for the Master of Science in Dentistry.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Students who completed the course can critically read the literature about dentistry, design and execute their thesis and project.
COURSE OUTCOMES	• Use and interpret results of descriptive biostatistical methods effectively • Demonstrate an understanding of the central concepts of modern biostatistical theory and their probabilistic foundation; • Use, and interpret results of the principal methods of biostatistical inference and design • Communicate the results of biostatistical analyses accurately and effectively; • Make appropriate use of statistical software. • Read and learn new statistical procedures independently
TEXTBOOK	• Kim JS and Dailey RJ. Biostatistics for Oral Healthcare, Blackwell Munksgaard, a Blackwell Publishing Company, 2008. • Özdamar K. SPSS ile Biyoistatistik, 10. Baskı, Nisan Kitabevi Yayınları-Eskişehir, 2015
OTHER REFERENCES	Rosner B. Fundamentals of Biostatistics Seventh Edition, Brooks/Cole, Cengage Learning, 2011.
TOOLS AND EQUIPMENTS REQUIRED	Computer and Statistical Package Programs

COURSE SYLLABUS	
WEEK	**TOPICS**
1	• Introduction to Biostatistics o Definition of Biostatistics o Why Biostatistics is necessary? o How much mathematics is necessary for this course? o General terms used in Biostatistics
2	• Data Summarization and Clinical Trials o Raw Data and Basic Terminology o Scale Levels o Frequency Distributions ▪ Frequency Table ▪ Relative Frequency
3	• Data Summarizing and Clinical Trials o Graphs ▪ The Bar Graph ▪ The Pie Graph ▪ The Line Graph ▪ The Histogram ▪ The Stem and Leaf Graph o Clinical Trials and Designs o The Effect Confounding Variable
4	• Measures of Central Tendency and Dispersion, Skewness o The Arithmetic Mean o The Weighted Mean o The Median o The Mode o The Geometric Mean o The Harmonic Mean o The Range o Percentiles and Interquartile Range o The Box-Whisker Plot o The Variance and The Standard Deviation o The Coefficient of Variation o The Skewness
5	• Biostatistics Laboratory o Introduction to Package Programs and Menus o Definition of Variables and Data Organization in Package Programs o Graphs in Package Programs o Measures of Central Tendency, Dispersion and Skewness in Package Programs
6	• Probability o Sample Space and Event o Basic Characteristics of Probability o Independent and Exclusive Events o Conditional Probability o Bayes Theorem o Prevalence and Incidence o Sensitivity and Specificity o Relative Risk and Odds Ratio
7	• Probability Distributions o The Binomial Distribution o The Poisson Distribution o The Poisson Approximation to Binomial Distribution o The Normal Distribution
8	1st Mid Term Exam
9	• Sampling Distribution o Sampling Distribution for Mean

	○ Standard Error of Sample Mean ○ The Central Limit Theorem ○ The Student t Distribution ○ Confidence Interval and Sample Size
10	• Hypothesis Tests: One Sample Case ○ Introduction to Hypothesis Tests ○ z Test for Mean ○ t Test for Mean ○ Power of Test and Sample Size ○ One Sample Test for Binomial Proportion ○ One Sample χ^2 Test for Variance of Normal Distribution
11	• Biostatistics Laboratory ○ One Sample Hypothesis Tests in Package Programs
12	• Hypothesis Tests: Two Sample Case ○ Two Sample z Test for Mean ○ Two Sample t Test for Means ○ Paired Sample t Test ○ Two Sample Test to Comparison Two Binomial Proportion ○ Power of Two Sample Test and Sample Size ○ F Test to Comparison Two Variances
13	• Biostatistics Laboratory ○ Two Sample Hypothesis Tests in Package Programs
14	• Categorical Data Analysis ○ 2x2 Contingency Table ○ rxc Contingency Table ○ Cochran-Mantel-Haenszel Test ○ McNemar Test ○ The Kappa Statistics ○ χ^2 Goodness of Fit Test
15	• Biostatistics Laboratory ○ Categorical Data Analysis in Package Programs
16	• One Way Analysis of Variance ○ Factor and Factor Levels ○ Model assumptions ○ Basic Terms for ANOVA ○ F Test to Comparison Population Means ○ Multiple Comparison Procedures ○ Random Effect ANOVA Model ○ Variance Equality Test
17	• Biostatistics Laboratory ○ One Way ANOVA in Package Programs
18	• Two Way Analysis of Variance ○ General Model ○ Sum of Squares and Degree of Freedom ○ F Test ○ Repeated Measures Model
19	• Biostatistics Laboratory ○ Two Way ANOVA in Package Programs
20	2nd Mid Term Exam
21	• Regression Analysis and Correlation ○ Simple Linear Regression ○ Correlation Coefficient ○ Coefficient of Determination ○ Multiple Linear Regression
22	• Biostatistics Laboratory ○ Regression Analysis and Correlation in Package Programs
23	• Nonparametric Methods ○ Sign Test

	○ Wilcoxon Rank Sum Test ○ Wilcoxon Signed Rank Test ○ Median Test ○ Kruskal-Wallis Rank Test ○ Friedman Test ○ Spearman Rank Correlation Coefficient
24	• Biostatistics Laboratory ○ Nonparametric Methods in Package Programs
25	• Logistic Regression Analysis ○ Binomial Logistic Regression Analysis
26	• Survival Analysis ○ Survival Table ○ Kaplan-Meier ○ Cox Regression
27	• Biostatistics Laboratory ○ Logistic Regression and Survival Analysis in Package Programs
28	• ROC Curve Analysis ○ Assessment Accuracy of Medical Diagnostic Tests ○ Determination of Cut-off values belong to Medical Diagnostic Tests
29	• Biostatistics Laboratory ○ ROC Analysis in Package Programs
30	Final Exam

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**X**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**X**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	**X**		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	**X**		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		**X**	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	**X**		
7	Consciousness of professional and ethic responsibility	**X**		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	**X**		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

SEMESTER	1

COURSE CODE	161112004	COURSE NAME	Behavioral Sciences

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
1	1	0	0	1	2	COMPULSORY (x) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
%20			%80

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	15
	2nd Mid-Term	1	15
	Quiz		
	Homework	1	20
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	There is no prerequisite for this course.
COURSE DESCRIPTION	The relationship between behavioral sciences and other sciences such as psychology, sociology, anthropology, physiology, social psychology, perception, attitude, attention, learning, personality, communication, roles, status, analysis of the structure of the individual and society, the underlying causes of individual and group-oriented behavior, research methods which is used in behavioral science.
COURSE OBJECTIVES	The purpose of this course is that to analyze the psychological and sociological aspects of human behavior from the individual or organizational perspective. In this context, it is aimed to acquire knowledge about the basic concepts such as culture, personality, communication, learning, motivation that is used in behavioral sciences.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	It is helped to students to better interpret the basic causes and results from behaviors that is occurred in doctor-patient relationship can be seen in their professional lives in the future.
COURSE OUTCOMES	-He/she knows related fields with behavioral sciences and the contemporary approaches in this field. - He/she defines basic concepts about behavioral sciences. - He/she understands the effects of perception, learning and motivation processes on behaviors. - He/she knows research methods used to explain formation of human behavior - He/she understands the importance of effective communication in conflict solutions arising from cultural differences and personal traits.
TEXTBOOK	-Gerrig, R. J. Ve Zimbardo, P. G. (2012). *Psikoloji ve yaşam: Psikolojiye giriş* (Çev: G. Sart). Ankara: Nobel. -Macionis, J. J. (2012). *Sosyoloji* (Çev: V. Akan). Ankara: Nobel.
OTHER REFERENCES	-Aronson, E., Wilson, T. D. ve Akert, R. M. (2012). *Sosyal psikoloji* (Çev: O. Gündüz). İstanbul:Katüs.

	-Giddens, A. (2012). *Sosyoloji* (Çev: C. Güzel). İstanbul: Kırmızı Yayınları. -Kağıtçıbaşı, Ç. (2012). *Günümüzde insan ve insanlar* (14.baskı). İstanbul: Evrim Yayınları.
TOOLS AND EQUIPMENTS REQUIRED	Computer and projection

COURSE SYLLABUS	
FALL SEMESTER	
WEEK	**TOPICS**
1	Basic concepts about behavioral sciences
2	The sensorial and perceptual bases of behavior
3	The learning and behavior
4	The learning and behavior
5	The scientific bases of the behavior and intelligence
6	The scientific bases of the behavior and intelligence
7	The social bases of behavior
8	The social bases of behavior
9	The social bases of behavior
10	**MİD-TERM EXAM**
11	**MİD-TERM EXAM**
12	Motivation
13	Motivation
14	Stress
15	The individual and personality
16	The individual and personality
BAHAR DÖNEMİ	
1	The individual and personality
2	The individual and society
3	The individual and society
4	The individual and society
5	The individual and society
10	**MİD-TERM EXAM**
11	**MİD-TERM EXAM**
8	Social institutions: Family, business, education, religion, health, etc.
9	Social institutions: Family, business, education, religion, health, etc.
10	Social institutions: Family, business, education, religion, health, etc.
11	Social institutions: Family, business, education, religion, health, etc.
12	Social institutions: Family, business, education, religion, health, etc.
13	Social institutions: Family, business, education, religion, health, etc.
14	Social institutions: Family, business, education, religion, health, etc.
15	Social institutions: Family, business, education, religion, health, etc.
16	Social institutions: Family, business, education, religion, health, etc.
17	**FİNAL EXAM**
18	**FİNAL EXAM**

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.			X
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.			X
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ FACULTY OF DENTISTRY COURSE INFORMATION FORM

CLASS	1

COURSE CODE	161112005	COURSE NAME	PROSTHODONTICS

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall-Spring	2	6		10	14	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
TERM	1st Mid-Term	1	15
	2nd Mid-Term	1	15
	1st mid term- application	1	10
	2nd mid term - application	1	10
FINAL EXAM	Final Exam 3rd application	1	25
	Final Exam	1	25

PREREQUIEITE(S)	
COURSE DESCRIPTION	Teaching oral cavity, teeth and dental structures To give information about the tooth numbering systems, teaching positions and eruption time in the teeth in the mouth. Introduction of permanent and primarily teeth structures (morphology), and give information about the dimensions of teeth The presentation and manipulation of the basic materials such as plaster, acrylic and wax used in the prosthetic laboratory.
COURSE OBJECTIVES	General information about oral cavity and teeth in addition to the morphological characteristics of teeth and teaching tooth dimensions of knowledge Teaching the physical properties and the manipulation of materials used in the laboratory.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Understand the importance of anatomical structures that affected manufacturing dental prosthesis. Learn usage the necessary materials and laboratory equipment and develop manipulation.
COURSE OUTCOMES	Comprehend the general morphology of the teeth and neighborhoods with each other.

	Learned basic tools and materials used in the construction phase of prosthetic laboratory and technical specifications of both theoretical and learned practical by manipulation. With comprehension of these knowledge, developed and measuring the ability of manipulation of dental students.
TEXTBOOK	1- Hüsnü Yavuzyılmaz Diş Morfolojisi ve Anatomisi. Genişletilmiş 6. Baskı. Gazi Kitabevi Tic. Ltd. Şti 2- Arife / Orhan Murat DOĞAN. Dental Morfoloji. 3.Baskı. Ankara: Tuna Matbaacılık; 2008. 3- M.Murat Aydın. Diş Hekimliği Manüpülasyonu ve Protez Laboratuvarlarında Kullanılan Araçlar. İstanbul:İ.Ü. Rektörlüğü Basımevi ve Film Merkezi Müdürlüğü;1996.
OTHER REFERENCES	1- Rickne C. Scheid. Gabriela Weiss. Woelfel's Dental Anatomy: Its Relevance to Dentistry. Wolters Kluwer;2011. 2- William J. O'Brien. Dental materials and their selection. 4th Ed. Canada: Quintessence Pub. Co; 2008. 3- Kenneth J. Anusavice. Phillips' Science of Dental Materials. USA: Saunders; 2003. 4- Ali Zaimoğlu, Gülşen Can, A.Ersan Ersoy, Levent Aksoy. Diş Hekimliğinde Maddeler Bilgisi. Ankara: A.Ü. Basımevi; 1993.
TOOLS AND EQUIPMENTS REQUIRED	Theoretical: Computer-aided barcovision, blackboard Practically: Soap, dental candle, oven, hydraulic press, plaster vibrator, polishing motor, laborator y micromotor and hand pieces , plaster knife, spatula, flask, etc.

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Definition of dentistry. Dentist's rights, authorization and responsibilities Definition of Prosthetic dental treatment. Subgroups of Prosthetic dental treatment
2	Terminology Terminology
3	The formation of the oral cavity and the formations landmarks of the face Definition of the teeth and the eruption times
4	Definition of the teeth and surrounding tissues Tooth numbering systems
5	Definition of prosthetic clinic Definition of prosthetic laboratories
6	Upper central incisor Prosthetic devices and hand tools used in dentistry
7	Upper lateral incisors Prosthetic materials used in dentistry
8	Upper canine tooth Gypsum; definition, types and the usage
9	Upper first premolar tooth Wax; definition, types and the usage
10	Upper second premolar tooth Acrylic;definition, types and the usage
11	Upper first molar tooth Clasp wire; definition, types and the usage
12	Upper second molar tooth Base plate; definition and the usage

13	Upper third molar tooth Obtaining casts used in the construction of the prosthesis
14	Evaluation of upper jaw dental arch (maxillary arch) Methods for obtaining die
15	The lower central incisors Preparation of individual base plates impression trays for complete and removable partial dentures
16	The lower lateral incisors Preparation of individual acrylic impression trays for complete and removable partial dentures
17	Lower canine tooth Preparation of denture base and wax template for complete dentures
18	Lower first premolar tooth Preparation of denture base and wax template for removable partial dentures
19	Lower second premolar tooth Transfer the casts to articulator
20	Lower first molar tooth Concepts of leveling and polishing
21	Lower second molar tooth Functional wax modeling
22	Lower third molar tooth Evaluation of lower jaw dental arch (mandibulary arch)
23	Morphological evaluation of opposing position of teeth in dental arch Classification of relations of the upper and lower jaw
24	The use of general teeth morphology knowledge on fixed partial denture applications The use of general teeth morphology knowledge on artificial denture teeth
25	The upper primary incisor teeth, Methods of classification of arcs in the partial edentulous
26	Upper primary molars Kennedy classification and rules of Applegate
27	Lower primary incisor teeth, Occlusion; definition and types
28	Lower primary molar teeth Definition of articulation

PROGRAM OUTCOMES

NO	PROGRAM OUTCOMES	3	2	1
1	Ability to understanding and learn the basic concepts of dentistry	X		
2	By learning about the basic materials used in making dental prostheses, especially to take advantage of them and to get them the ability to process	X		
3	The ability of the carry them to knowledge in the general morphological features of the construction of prosthetic teeth's.	X		
4	Skills of the effective use of prosthetic material and equipment in prostheses laboratory	X		
5	The concept of the framework for the profession of dentistry, rights, powers and responsibilities	X		
6	The ability of individual exercise, inter and multi disciplinary team-work	X		
7	The ability of the effective use speak and written in Turkish communicate and in skills of the body language of the professional practices		X	
8	Recognition of the need for lifelong learning, access to information, monitoring and continuous self-renewal ability in science and technology developments	X		
9	Professional and ethical responsibility	X		
10	The effect of dental applications on the global and social environment; about of the national international lawful regulations and standardizations knowledge		X	
1:no contribution. **2**: partially contribution Var. **3**:full contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	1

COURSE CODE	161112006	COURSE NAME	Biochemistry 1

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
FALL	2		1			COMPULSORY (x) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
	x		

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Biochemistry is the science concerned with the various molecules that occur in living cells and organisms and with their chemical reactions. The goal is to provide an understanding, at the molecular level, of the enzyme reactions that underlie cellular metabolism, and of the structure and function of biological macromolecules, such as, protein, charbohydrate, lipid, and nükleic acids.
COURSE OBJECTIVES	To learn how enzymes function, cellular energy metabolism is regulated, structure, function and metabolism of protein, charbohydrate, lipid, and nucleic acids.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Structure-function relationships of cellular biomacromoleules on physiological and pahophysiological processes
COURSE OUTCOMES	To teach structures and functions of biomolecules and to teach the role of physiological and pahological processes
TEXTBOOK	Temel Biyokimya ed.Taner Onat, Kaya Emerk.Saray yayıncılık,2006
OTHER REFERENCES	Harper Biyokimya: Murray RK,Granner DK, Mayes PA, RodwellVW. Nobel Tıp Kitabevi, 2015. - Nelson D.L., Cox M. Lehninger Principles of Biochemistry, Fourth Edition Amazon.com.2013
TOOLS AND EQUIPMENTS REQUIRED	White writing board, Projector, Computer, Lectern, Projector screen, Board marker, Presenter with laser pointer

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Introduction to Biochemistry. The importance of Biochemistry in the Medical and Dentistry Faculties.
2	Water and pH, liquid Components of organism, Arrange balance of Water-electrolytes
3	Classification of Enzymes and effect mechanisims
4	Kinetic features of enzymes and inhibition of enymes
5	Karbonhidratlar
6	Aminoacids, peptides and proteins
7	Lipids (Faty acids, Triacylglycerols, Phospholipids),Lipoproteins
8	Thermodynamics, Bioenergetics and metabolism, transfer of phosphate
9	TCA cycle
10	Glycolysis,glyconeogenesis
11	**MID-TERM EXAM**
12	**MID-TERM EXAM**
13	The Pentose Phosphate and glukoronic acid pathway. Other hexoses metabolism
14	Amino acids oxidation and urea cycle
15	Glycogen metabolism
16	Oxidation of fatty acids
17	Biosynthesis of fatty acid triacylglycerols, phospholipids and cholesterol, steroids
18	Amino acid biosynthesis and to change into special products
19	Oxidative fosforilation
20	Anorganic bioelemenets
21	Detoxification Toxic agents and metal toxicity
22	**MID-TERM EXAM**
23	**MID-TERM EXAM**
24	Hormones
25	Hormones
26	Hormones
27	Hormones
28	Porfirins ,Heme synthesis
29	Klinic enzymology
30	Analysis of urine

Laboratories plan

1	Glass materials used in Laboratory of Biochemistry vehicles, equipment and instruments, introducing. the use of glass and otomatic pipette
2	Concentration units, Solution preparation
3	Recognition experiments of carbohydrates
4	Factors affecting enzyme activity
5	Asidimetri-alkalimetri
6	Determination of isoelectric point
7	Recognition experiments of amino acids, denaturation and deproteinisation
8	Recognition experiments of lipids
9	Obtain Of Glycogen, Hydrolysis Of Strach And Sucrose
10	Santrifugation techniques, obtain os serum, plasma and erythrocytes package
11	Pregnanacy test

12	Basic principles of the spectrophotometer
13	Measure of haemoglobine
14	Enzyme analysis
15	Urine analysis

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.		x	
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.		x	
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	x		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		x	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	x		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	x		
7	Consciousness of professional and ethic responsibility	x		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		x	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGU FACULTY OF DENTISTRY
COURSE INFORMATION FORM

CLASS	1

COURSE CODE	161112014	COURSE NAME	Physical Education I-II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
1	2			0	2	COMPULSORY ( ) ELECTIVE (X)	Turkish

COURSE CATAGORY			
Basic Vocational Courses	Basic Field Courses	Social Courses	Supportive Courses

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM EXAM	1st Mid-Term	1	30
	2nd Mid-Term	1	30
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	40

PREREQUIEITE(S)	None
COURSE DESCRIPTION	Physical education; running, joint and muscle groups convenient to theirs level, sport branch, basketball, volleyball, handball ,football, field measures and rules of game, sport benefits to our health; health, first aid, matches in class.
COURSE OBJECTIVES	The ability of having knowledge concerning the orders of the lecture. The ability of running all the organs and systems to convenience of theirs level. The ability of improving the nerve muscle and joint coordinating. The ability of having basic knowledge, skill, manner and habits concerning physical education and sport Take responsibility and duty, to go with leader and the ability of doing leadership Playing amicably and competition appreciating the winner acceptance of loosing, and can be object to trick and injustice. Having knowledge about sport, vehicle and facilities and can use this.
CONTRIBUTION TO APPLY PROFESSIONAL EDUCATION ON COURSE	The ability of improving the nerve muscle and joint coordinating.
COURSE OUTCOMES	The ability of growing health, happy, developed aspect of physical and psychological, self confident individuals who have the sense competitioning amicably.
TEXTBOOK	Physical Education at Schools (Hikmet Aracı l999)
OTHER REFERENCES	Basic principles in Physical Education and Sport (Yrd. Doç. Dr. Faruk Yamaner)2001
TOOLS AND EQUIPMENTS REQUIRED	Gymnastic cradle, Ball, Coordination set, Medicine ball.

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Giving general knowledge about the subject of physical education.
2	Jogging, rotating which is softening joint and muscle groups. Giving knowledge about basic basketball rules, the matters to take care of passing and rubbing ball.
3	Jogging, warning movements, defense and offence studies at basketball.
4	Jogging, stretching movements, rubbing ball, exit to turnstile studies, attack sets at basketball.
5	Atatürk's words on sport, jogging, passing and playing short-time match in basketball playing rules.
6	Jogging, stretching movements, giving basic knowledge about basic volleyball techniques, finger pass on net and control pass studies.
7	Interval studying, stretching movements headline at volleyball, pass and service firing, return in field at volleyball.
8	What's benefit of sport our health? Stretching movements, doing match in volleyball playing rules.
9	MİD-TERM EXAM
10	Running athletics (short, middle, long) knowledge about distance, warning studying, short-time volleyball match.
11	Jogging, stretching movements, giving knowledge about basic handball techniques.
12	Jogging, movement for strengthening joint and muscles groups, rubbing ball and pass studies at handball.
13	Exercise for stretching and loosening the muscles, football playing rules and passing studies, short-time football match.
14	First aid at sport disability, jogging, stretching movements, marches in class.
15	Jogging, warning movements, matches in class
1	Giving general knowledge about the subject of physical education.
2	Jogging, rotating which is softening joint and muscle groups. Giving knowledge about basic basketball rules, the matters to take care of passing and rubbing ball.
3	Jogging, warning movements, defense and offence studies at basketball.
4	Jogging, stretching movements, rubbing ball, exit to turnstile studies, attack sets at basketball.
5	Atatürk's words on sport, jogging, passing and playing short-time match in basketball playing rules.
6	Jogging, stretching movements, giving basic knowledge about basic volleyball techniques, finger pass on net and control pass studies.
7	Interval studying, stretching movements headline at volleyball, pass and service firing, return in field at volleyball.
8	What's benefit of sport our health? Stretching movements, doing match in volleyball playing rules.
9	MİD-TERM EXAM
10	Running athletics (short, middle, long) knowledge about distance, warning studying, short-time volleyball match.
11	Jogging, stretching movements, giving knowledge about basic handball techniques.
12	Jogging, movement for strengthening joint and muscles groups, rubbing ball and pass studies at handball.
13	Exercise for stretching and loosening the muscles, football playing rules and passing studies, short-time football match.
14	First aid at sport disability, jogging, stretching movements, marches in class.
15	Jogging, warning movements, matches in class
16	FİNAL EXAM

NO	PROGRAM OUTCOMES	3	2	1
1	Contribute to the level of professional knowledge	X		
2	Develop professional communication skills	X		

3	Create to current information on the ability of the program to reach	**X**		
4	Gain the ability to communicate and exchange information with counterparts in the field of professional practice.	**X**		
5	Gain awareness of the application of the rules of professional deontology	**X**		
6	Have a basic level of knowledge related to the field of health	**X**		
7	Be able to use technological products related to the field	**X**		
8	Gain required hand skills related to the field	**X**		
9	Gain the habit of ability to practice sterilization, disinfection, and antisepsi	**X**		
10	Gain the ability to solve problems that may arise during the professional practice in a healthy way	**X**		
11	Gain the authority to make decisions quickly and accurately related to the field	**X**		
12	Have information about the health care legislation	**X**		
13	Gain awareness of professional responsibility	**X**		
14	Gain the required knowledge and experience in occupational safety	**X**		
15	Contribute to the intellectual level	**X**		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGU FACULTY OF DENTISTRY
COURSE INFORMATION FORM

CLASS	1

COURSE TITLE	GARDEN DESIGNING, TREATING and GREEENHOUSE CULTURE-I-II	CODE	161112013

SEMESTER	HOURS PER WEEK						
	Theory	Practice	Laboratory	Credit	AKTS	TYPE	LANGUAGE
1	2			0	2	COMPULSORY () ELECTIVE(X)	TURKİSH

ASSESMENT SYSTEM

	Faaliyet türü	Quantity	Percentage
IN-TERM STUDIES	First Mid Term	**1**	**25**
	Second Mid Term		
	Practice		
	Homework		
	Presentation/Preparing Seminer		
	Final Examination		
	TOPLAM		

PREREQUISITES	no
CONTENTS	The history of garden arrangement. Ecological Requirements of Plants. Soil Properties. Preparation of the soil. Plant Breeding Places. Issues to be Considered Garden Arrangement. Bordered of Garden, Creating of Roads, Decorations, Korbey and Plantband. Plants used in Garden Arrangement. Maintenance of Ornamental Plants. Flower, Fruit and Seed Collection and Storage. Irrigation, Importance and Methods. Fertilization, Importance and Types.
GOALS	Learn, how to become a place to garden. Knowledge, selection and maintenance of plants for the garden.
LEARNING OUTCOMES	
SOURCES	Ekim, T. (2007) Türkiye'nin Nadir Endemikleri. Türkiye İş Bankası, Kültür Yayınları, İstanbul. Fitter, A. (2004) Trees. Herper Collins Publishers, UK. Sterry, P. and Press, B. (1996) Wild Flowers of Britain and Europe. New Holland Publishers Ltd., UK. Tokur, S. (2000) Bahçe Bakımı ve Seracılık I-II Ders Notları. Eskişehir Osmangazi Üniversitesi, Fen Edebiyat Fakültesi, Eskişehir. Tokur, S. (1994) Bitki Yetiştirme Tekniği. Osmangazi Üniversitesi Yayınları No:1, Fen Edebiyat Yayınları No:1, Eskişehir. Ürgenç, S. (1992) Ağaç ve Süs Bitkileri, Fidanlık ve Yetiştirme Tekniği, İ.Ü. Basımevi, İstanbul. Yücel, E. (2002) Çiçekler ve Yer Örtücüler. Etam Matbaa Tesisleri, Eskişehir.
TEACHING METHODS	PPS-supported presentations

COURSE CONTENT	
WEEK	**TOPICS**
1	The history of Garden Arrangement
2	Ecological Requirements of Plants
3	Soil Properties
4	Preparation of the Soil
5	Plant Breeding Places
6	Issues to be Considered Garden Arrangement
7	MIDTERM EXAM
8	Bordered of Garden, Creating of Roads, Decorations, Korbey and Plantband
9	Plants used in Garden Arrangement
10	Maintenance of Ornamental Plants
11	Flower, Fruit and Seed Collection and Storage
12	Irrigation, Importance and Methods
13	Fertilization, Importance and Types
1	Pruning: Principles, Time, Materials, Types
2	Plant production, seed production (Generative Production)
3	Vegetative propagation (Asexual Production)
4	Production of scion
5	Another production methods
6	Changing flower pot
7	MIDTERM EXAM
8	Tree planting.
9	Some of the plant pests and diseases
10	Greenhouse: building methods
11	Heating systems. Ventilation systems
12	Irrigation and irrigation systems
13	Factors that influence of growing plants in greenhouses
	Final

NUMBER	PROGRAM OUTCOMES	3	2	1
1	Get a recognition of basis principles in Nursing/Midwifery/Management of healthcare institutions education			**X**
2	Get an ability to solve ethical problems with basic principles		**X**	
3	Nursing/Midwifery/Management of healthcare institutions education Gather as well as apply knowledge of health sciences			**X**
4	Function on multi-disciplinary teams		**X**	
5	Identify, formulate, and solve medical and Nursing/Midwifery/Management of healthcare institutions education problems			**X**
6	Use effective written and oral communication/presentation skills		**X**	
7	Get an understanding of professional and ethical responsibility	**X**		
8	Get a recognition of the need for, and an ability to engage in lifelong learning	**X**		
1:No contribution Yok. **2**:Partially contribution. **3**: Yes contribution				

ESOGÜ FACULTY OF DENTISTRY COURSE

INFORMATION FORM

CLASS	1

COURSE CODE	161112008	**COURSE NAME**	History of Dentistry

SEMESTER	**WEEKLY COURSE PERIOD**			**COURSE OF**			
	Theory	**Practice**	**Laboratory**	**Credit**	**ECTS**	**TYPE**	**LANGUAGE**
Fall-Spring	1			2	2	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	**Basic Medical Science**	**Clinical Science**	**Social Science**
			X

ASSESSMENT CRITERIA			
	Evaluation Type	**Quantity**	**%**
TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	None
COURSE DESCRIPTION	In this course, it is given the historical development of dentistry and materials used in dentistry
COURSE OBJECTIVES	To ensure that dentistry students have knowledge about historical development of dentistry
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Students who are able to complete successfully this lesson, will have knowledge about historical development of dentistry
COURSE OUTCOMES	Students will be able to have knowledge about the beginning history of dentistry, to give people basic knowledge about history of dentistry, have knowledge about recent history of dentistry and the development of dental equipments

TEXTBOOK	"Diş Hekimliği Tarihi" Ahmet Efeoğlu İstanbul 1992
OTHER REFERENCES	1. Alpaslan G., Dişhekimliği Tarihi, Hacettepe Üniversitesi Yayınları, 2005 2. Geçmişten Günümüze Türk Diş Hekimliği,Eteoğlu, A.Türk Dünyası Araştırmaları Vakfı, 2000 3. Diş Hekimliği Bilimi'nde "İlk"ler. İlter Uzel, Istanbul Aydın Üniversitesi, Diş Hekimliği Fakültesi, 2012 4. Yüksel Noras. Diş Hekimliği Tarihi. Hacettepe Üniv. Yayınları No: B10 Ankara, 1973 5. Ahmet Efeoğlu. Dişhekimliği Tarihi. İstanbul Üniv. Yayınları, İstanbul, 1992 6. Nuri Muğan. Türk Diş Hekimliği Tarihi. İstanbul Üniv. Yayınları No:3831, İstanbul, 1994 7. Ahmet Efeoğlu, Ayşegül Demirhan Erdemir, Öztan Öncel. Başlangıçtan Günümüze Diş Hekimliği. Nobel Tıp Kitabevleri, İstanbul, 2000 8. İlter Uzel. Anadolu Uygarlıklarında Diş Hekimliği. Yeni Adana Ofset Ltd. Şti, Adana, 2000 **9.** Curt Proskauer, Fritz Witt. Pictorial History of Dentistry. Verlag M. Du Mont Schauberg, Köln, 1962 10. Malvin E. Ring. Dentistry An Illustrated History. The CV Mosby Comp, St Louis, 1985
TOOLS AND EQUIPMENTS REQUIRED	Laptop and projection machine.

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Definition of dentistry. Rights, clearences and responsibilities of a dentist
2	Terminology
3	Medicine and being a physician
4	General history of medicine
5	General history of dentistry
6	Ancient ages of medicine and dentistry
7	Ancient ages of dentistry (Egypt, Mesopotamia)
8	MID-TERM EXAMINATION
9	MID-TERM EXAMINATION
10	Ancient ages of dentistry (Aztec, Etruscan, Roma)
11	Medieval ages of dentistry
12	15th century of dentistry
13	16th century of dentistry
14	17th century of dentistry
15	18th century of dentistry
16	19th century of dentistry
17	20^{th} century of dentistry
18	Recent ages of dentistry
19	Development of dental branches
20	Development of equipments used in dentistry

21	MID-TERM EXAMINATION
22	MID-TERM EXAMINATION
23	Women' roles in the history of dentistry
24	History of Turkish dentistry
25	Professional organizations of dentistry
26	Development of dentistry related to other medical branches
27	Photos about dentistry
28	History of our faculty
29	FINAL EXAMINATION
30	FINAL EXAMINATION

NO	PROGRAM OUT COMES	3	2	1
1	Ability to understanding and learn the basic concepts of dentistry	X		
2	By learning about the basic materials used in making dental prostheses, especially to take advantage of them and to get them the ability to process	X		
3	The ability of the carry them to knowledge in the general morphological features of the construction of prosthetic teeth's.	X		
4	Skills of the effective use of prosthetic material and equipment in prostheses laboratory	X		
5	The concept of the framework for the profession of dentistry, rights, powers and responsibilities		X	
6	The ability of individual exercise, inter and multi disciplinary team-work		X	
7	The ability of the effective use speak and written in Turkish communicate and in skills of the body language of the professional practices		X	
8	Recognition of the need for lifelong learning, access to information, monitoring and continuous self-renewal ability in science and technology developments		X	
9	Professional and ethical responsibility		X	
10	The effect of dental applications on the global and social environment; about of the national international lawful regulations and standardizations knowledge		X	
1:no contribution. **2**: partially contribution Var. **3**:full contribution.				

ESOGU Faculty of Dentistry Course Information Form

CLASS	1

COURSE CODE	161112009	COURSE NAME	Anatomy

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theoretical	Practical	Laboratory	Credit	ECTS	TYPE	LANGUAGE
FALL-SPRING	2	1	-	2	4	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
	X		

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	15
	2nd Mid-Term	1	15
	Quiz		
	Homework		
	Project		
	Report		
	Others (Practical exam)	2	20
FINAL EXAM	Written exam (test)	1	25
	Practical exam	1	25

PREREQUISITE(S)	-
COURSE DESCRIPTION	This course involves the basic knowledge about gross anatomical structures of the locomotor system in human body.
COURSE OBJECTIVES	-To give detailed information about the fundamentals and usage of the Latin terminology. - To emphasize the relationship between basic and clinical sciences. - To teach anatomical information about the locomotor system by giving its functional importance
CONTRIBUTION OF COURSE TO THE PROFESSIONAL EDUCATION	Students will be able to understand and use Latin anatomical terminology and define general terms and concepts associated with gross anatomy. They will know the important anatomic points in the locomotor system and their relations with other structures in the human body and understand their functional importance. They will also gain the ability to establish clinical integrations and relations of the locomotor system.
COURSE OUTCOMES	Students will have the knowledge about terminology used in the health science field. They will be able to understand the structures of the bones, joints and muscles that make up the human body and their functional principles. They also will establish the basic relation of the theoretical and practical information about the anatomical structures with their occupational proficiency.
TEXTBOOK	-Arıncı, K, Elhan, A: Anatomi, Cilt 1-2, 2. Baskı, Güneş Kitabevi, Ankara, 1997. -Moore, KL: Clinically Oriented Anatomy. 3th Edition, Williams and Wilkins, Baltimore, 1992. -Arifoğlu Y. Her Yönüyle Anatomi, İstanbul Tıp Kitabevi, 2017.
OTHER REFERENCES	-Sobotta Human Anatomy Atlas, 2006. -Netter F.H.:Atlas of Human Anatomy, Seventh Edition, Ciba-Geigy Corporation, 1994.
REQUIRED TOOLS AND EQUIPMENTS	Computer supported projection system, whiteboard, human bones, skeleton, human cadavers, plastic models, educational videos

COURSE OUTLINE (Fall)	
WEEK	**SUBJECTS / TOPICS**
1	Introduction to anatomy and Latin terminology
2	Bones of appendicular skeleton (Upper limb bones)
3	Gross anatomy lab (The clavicle, humerus, radius, ulna and hand bones)
4	Bones of appendicular skeleton (Lower limb bones)
5	Bones of axial skeleton
6	Gross anatomy lab (Coxal bone, femur, patella, tibia, fibula, foot bones, vertebrae, ribs and sternum)
7	Skull bones (Neurocranium)
8	Skull bones (Viscerocranium)
9	Gross anatomy lab (Cranial bones and regions)
10-11	**MID-TERM EXAM I**
12	Introduction to joints and general information about joints
13	Upper and lower limb joints
14	Gross anatomy lab (Shoulder, elbow, wrist, hip, knee and foot joints)
15	Joints of axial skeleton and temporomandibular joint
16	Gross anatomy lab (Thorax and vertebral column joints)

COURSE OUTLINE (Spring)	
WEEK	**SUBJECTS / TOPICS**
1	General information about muscles, cranial and facial muscles
2	Peripheral structures of the head
3	Gross anatomy lab (Cutaneous nerves, veins, arteries, lymphatics and muscles of the head)
4	Muscles and peripheral structures of the neck
5	Gross anatomy lab (Cutaneous nerves, veins, arteries, lymphatics and muscles of the neck)
6-7	**MID-TERM EXAM II**
8	Thorax and abdominal muscles
9	Upper limb muscles
10	Gross anatomy lab (Muscles of the shoulder, arm, forearm and hand)
11	Peripheral structures of the upper limb
12	Gross anatomy lab (Cutaneous nerves, veins, arteries and lymphatics of the upper limb)
13	Lower limb muscles
14	Gross anatomy lab (Muscles of the hip, thigh, leg and foot)
15	Peripheral structures of the lower limb
16	Gross anatomy lab (Cutaneous nerves, veins, arteries and lymphatics of the lower limb)

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**X**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.		**X**	
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.			**X**
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	**X**		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	**X**		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	**X**		
7	Consciousness of professional and ethic responsibility	**X**		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		**X**	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ FACULTY OF DENTİSTRY
COURSE INFORMATION FORM

CLASS	1

COURSE CODE	161112007	COURSE NAME	Organic chemistry

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Spring autumn	2			2	2	COMPULSORY (X) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Engineering	Mechanical Engineering Profession [if it contains considerable design, mark with (√)]	Social Science
X			

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	---
COURSE DESCRIPTION	Organic chemistry is one of the most important area. It refers to as the chemistry of carbon compounds. Organic chemistry is discipline which examines structure and properties of chemical compounds which includes carbon, hydrogen, nitrogen, oxygen, phosphorus, halogens and sulphur atoms.
COURSE OBJECTIVES	The basis for medicine and dentistry lessons, to teach the general objectives such as the relationships of structure-functions, chemical bonds, chemical reactions and endogen and exogen aliphatic, aromatic and heterocyclic molecules
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Structure-function relationships of cellular biomacromoleules on physiological and pahophysiological processes
COURSE OUTCOMES	To teach structures and functions of biomolecules and to teach the role of physiological and pahological processes
TEXTBOOK	Lecture notes Eczacılık ve Sağlık Bilimleri Öğrencileri için Organik Kimya Kitabı. Prof.Dr. Ş. Güniz KÜÇÜKGÜZEL
OTHER REFERENCES	---
TOOLS AND EQUIPMENTS REQUIRED	---

COURSE SYLLABUS	
WEEK	**TOPICS**
1	The importance of organic chemistry in the Medical and Dentistry Faculties and Biochemistry teaching
2	The importance of organic chemistry in the Medical and Dentistry Faculties and Biochemistry teaching
3	Elemental structure of living cells Kinds of chemical bonds: Covalent and hydrogen bonds Kinds of organic reactions and some organic reactions which biochemical perspectives
4	Elemental structure of living cells Kinds of chemical bonds: Covalent and hydrogen bonds Kinds of organic reactions and some organic reactions which biochemical perspectives
5	Hydrocarbons: Alcanes
6	Hydrocarbons: Alcanes
7	Hydrocarbons: Alcenes
8	Hydrocarbons: Alcenes
9	Hydrocarbons: Alcines
10, 11	**MID-TERM EXAM**
12	Hydrocarbons: Alcines
13	Kinds of isomerisation and importance in the biochemical reactions; structural isomerism (tautomerism), geometrical isomerism (cis-trans), optical isomerism, D, L isomerism
14	Kinds of isomerisation and importance in the biochemical reactions; structural isomerism (tautomerism), geometrical isomerism (cis-trans), optical isomerism, D, L isomerism
15	Functional groups; Hydroxyl groups (alcohols, -OH), amino group (NH2), carbonyl group (aldehyde and ketones, C=O)
16	Functional groups; Hydroxyl groups (alcohols, -OH), amino group (NH2), carbonyl group (aldehyde and ketones, C=O)
17	Functional groups; Carboxyl groups (carboxylic acids, COOH), sulphydril groups (SH)
18	Functional groups; Carboxyl groups (carboxylic acids, COOH), sulphydril groups (SH)
19	The functional importance of functional groups in macromolecules, structural and cellular reactions; Esters and ATP, cyclic eters and epoksid compounds, disulphur bonds and insulin
20	The functional importance of functional groups in macromolecules, structural and cellular reactions; Esters and ATP, cyclic eters and epoksid compounds, disulphur bonds and insulin
21	The functional importance of functional groups in macromolecules, structural and cellular reactions; sulphydril compounds and glutathione, schiff base and transamination reactions, aldehydes and the cycle of vision
22, 23	**MID-TERM EXAM**
24	The functional importance of functional groups in macromolecules, structural and cellular reactions; sulphydril compounds and glutathione, schiff base and transamination reactions, aldehydes and the cycle of vision
25	Important ring systems which are building blocks of cellular macromolecules and importance in chemical reactions; steroidal structure and common molecules including same structure
26	Important ring systems which are building blocks of cellular macromolecules and importance in chemical reactions; steroidal structure and common molecules including same structure
27	Important ring systems which are building blocks of cellular macromolecules and importance in chemical reactions; heteocyclic ring systems
28	Important ring systems which are building blocks of cellular macromolecules and importance in chemical reactions; heteocyclic ring systems
29	Aromatic and non-aromatic cyclic compounds; molecular structure of benzene, properties of aromatic hydrocarbons and aromatic substation reactions, quinone compounds
30	Aromatic and non-aromatic cyclic compounds; molecular structure of benzene, properties of aromatic hydrocarbons and aromatic substation reactions, quinone compounds
31	Amino acid and proteins, Lipids
32	Amino acid and proteins, Lipids
31, 32	Carbohydrates, nucleic acids and DNA, enzymes, hormones, chemical carcinogens

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.		**X**	
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.		**X**	
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		**X**	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		**X**	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		**X**	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		**X**	
7	Consciousness of professional and ethic responsibility		**X**	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		**X**	
1: None. **2**: Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	1

COURSE CODE	161111001	COURSE NAME	Physics

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall	2	0	0	2	2	COMPULSORY (x) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
x			

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	40
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	60

PREREQUIEITE(S)	
COURSE DESCRIPTION	Measurement and units; Vectors; Kinematics; Dynamics; Work and Energy; Momentum and Collisions; Rotational Motion; Equilibrium; Electric charges, Coulomb Law, Electric Field, Elektrik Potential, Elektrik Current, Magnetics Field.
COURSE OBJECTIVES	To teach the basic concepts and laws of physics and practices of daily life.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	In practice, to solve problems of varieties of physical systems and to improve their ability to practice in daily life. Using them, students will realize the role of physics in applied sciences such as health sciences and engineering.
COURSE OUTCOMES	
TEXTBOOK	Karaoğlu B, 2012, Üniversiteler için Fizik, Seçkin yayıncılık
OTHER REFERENCES	Frederik J. Buche, Jerde David A., Translate Editor: Kemal Çolakoğlu, 2007, Fizik İlkeleri Cilt I ve II, Palme Yayıncılık.
TOOLS AND EQUIPMENTS REQUIRED	

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Measurement and units
2	Vectors
3	Motion in one and two dimension
4	Motion laws and Aplications
5	Work, Power and Energy
6	Momentum and Collisions
7	Mid-Term
8	Rotational Motion
9	Rotational Motion Applications
10	Equilibrium
11	Electric Charge, Coulomb Force and Electric Field
12	Electrical Potential
13	Elektric Current
14	Magnetic Field and Magnetic Field Sources
15	Heat and Thermodynamics
16	
17	
18	
19	
20	

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.		X	
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry Course Information Form

CLASS	1

COURSE CODE	161111002	COURSE NAME	Epidemiology

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
1	1	0	0	1	1	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science (x)	Clinical Science	Social Science

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	45
	2nd Mid-Term		
	Quiz		
	Homework	1	5
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	None
COURSE DESCRIPTION	Providing health and disease control and understanding of causes Analyzing health and disease events in the society systematically
COURSE OBJECTIVES	To learn epidemiological methods and their usage in application areas To get knowledge about: definition and goals of epidemiology, types of studies, calculation of rates, ratios and risks related to health-related situations and events.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	To ensure that they act according to epidemiological rules in planning, implementing and evaluating health services.
COURSE OUTCOMES	1. Make definition of epidemiology 2. Describe the usage areas of epidemiology 3. Classify epidemiological research types 4. Describe the purpose of epidemiological investigations 5. Understand the importance of epidemiological investigations 6. Know the advantages and disadvantages of epidemiological research types 7. Choosing the right epidemiologic method when planning a study
TEXTBOOK	1. Kublay G., Emiroğlu ON., Subaşı Baybuğa M., Örsal Ö., Tokur Kesgin M. Sağlık Bilimlerinde Epidemiyoloji. Amasya, Göktuğ Yayıncılık, 2017 2. Gordis L. Epidemiology Student Consult. 5 ed. Philadelphia, Canada: Elsevier, Saunders, 2014. 3. Beaglehole R, Bonita R, Kjellström T. Basic Epidemiology [Temel Epidemiyoloji]. Cenevre: WHO 1997:42. 4. Bonita R, Beaglehole R, Kjellstrom T. Basic Epidemiology. Geneva: WHO 2006:45-48.
OTHER REFERENCES	1. Vaughan JP. Morrow RH. Çeviri Edi. Bertan M., Enünlü T. Bölge Sağlık Yönetiminde Epidemiyoloji El kitabı, Ankara, Dünya Sağlık Örgütü, Halk Sağlığı Vakfı, 1995 2. Özatalay N. Bulaşıcı Hastalıklar ve Epidemiyoloji, Ankara Hatipoğlu Yayınevi, 1995 3. Bilir N., Güler Ç., Epidemiyoloji, Ankara, Hatipoğlu Yayınevi, 1989

	4. Tezcan S. Epidemiyoloji Tıbbi Araştırmaların Yöntem Bilimi, Ankara, Hacettepe Halk Sağlığı Vakfı, 1992 5. Gordis L., Epidemiyoloji, U.S., W.B. Sounders Company,1996 6. Sümbüloğlu V., Sezer E., Sümbüloğlu K. Epidemiyoloji ve Araştırma Teknikleri, Ankara, Somgür Yayıncılık, 1999
TOOLS AND EQUIPMENTS REQUIRED	Computer, barcovision, board, chalk

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Definition, scope and areas of uses of epidemiology
2	Epidemiological process and research process
3	Data, features and epidemiological data sources
4	Concept of health and disease Determinants of health and health measures
5	Descriptive research
6	Case report, Ecological research
7	Analytical research
8	Cross-sectional studies
9	Case-control studies
10-11	MID-TERM EXAM
12	Cohort investigations
13	Clinical experimental epidemiology
14	Community-based experimental epidemiology
15	Methodological research
16	Surveillance and surveys

NO	**PROGRAM OUTCOMES**	**3**	**2**	**1**
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**X**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**X**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		**X**	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		**X**	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		**X**	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		**X**	
7	Consciousness of professional and ethic responsibility	**X**		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	**X**		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	1

COURSE CODE	161111003	COURSE NAME	Medical Biology

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
	2	x	x	2	3	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
	X		

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1 (Test)	50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1 (Test)	50

PREREQUIEITE(S)	Definition of biology, cell and structure of cell membran, cytoplasma and organels of cell, nucleus, physical sturucture of cell, transport in cells,active transport in cell membran, chemical structure of cell, organic and inorganic materials, proteins and nucleic asids , synthesis of protein, enzymes and vitamins, cell metabolism, photosynthesis and chemosynthesis, cell respiration, stimulus system of cell, cell division (mitosis and meiosis).
COURSE DESCRIPTION	Teaching structure of cells and vitality events are provide by giving vitality logy which is basic concept of biology.
COURSE OBJECTIVES	In this course, students will learn the fundamentals of biology basic concepts, cell structure and cell viability.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	By teaching cells which are basic of vitality, aims are that provided to be basic to lessons that are in the future.
COURSE OUTCOMES	To learn the basic structure and function of a cell with all respect, which are the basic unit of live.
TEXTBOOK	Medical Biology of Student Book (Prof.Dr. Ayşe BAŞARAN) Güneş HV: Moleküler Hücre Biyolojisi, 3. Baskı, İstanbul Tıp Kitabevi, İstanbul, 2012.
OTHER REFERENCES	1- Alberts, B., Bray, J., D., Lewis, Raff, M., Roberts, K., Wartson, J., D. : Molecular Biology of THE CELL, Third Edition, Gurland Puplishing, Inc. New York London 1994. 2- Kimball J.W. Biology. Fourth Ed., Addison-Wesley Pub. Comp. Third Printing, London, 1979. 3- Noland G.B. : General Biology, Eleventh Ed., The C.V. Mosby Comp.., London, 1983. 4- Savıge J.M. : Evolution. Third Ed.., Holt, Rinehart and Winsten, Newyork, 1977.

	5-Cooper G.M. : The Cell, A molecular Approach ASM Press, Washington, D.C., 1997.
TOOLS AND EQUIPMENTS REQUIRED	Computer and projector

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Definition of biology, Cell Types (Prokaryotic and eukaryotic cells)
2	Structure of cell and cell membrane
3	Surface differentiation of cell membrane
4	Cytoplasma and cytoskeleton
5	Cell organelles and Nucleus
6	Transport at cell membrane
7	Structure of nucleic acids (DNA)
8	RNA, RNA synthesis
9	DNA Repair
10	**Midterm Exam**
11	**Midterm Exam**
12	Synthesis, maturation and transport of proteins
13	Gene function and regulation- I
14	Gene function and regulation- II
15	Signal transduction pathway
16	Cell cycle, Mitosis and meiosis division
17	Cell senescense and apoptosis

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry Course Information Form

CLASS	1

COURSE CODE	161112016	COURSE NAME	Biophysics

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
SPRING	2			2	4	COMPULSORY (X)	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
	X		

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	**1**	**40**
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		**1**	**60**

PREREQUIEITE(S)	
COURSE DESCRIPTION	Membrane Transport, Action Potential, Synaptic Transmission, Neuronal Integration and Biological Control.
COURSE OBJECTIVES	The intention of this course has been to present the foundations of bioelectricity in the way in which it is used by biophysicists.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The student should have ability to use principles of Biophysics in understanding and diagnosis of related diseases.
COURSE OUTCOMES	By the end of this course, the student should have come to realize that the quantitative understanding of organ systems hinges importantly on considerations involving the application of biophysical principles/methods to these systems.
TEXTBOOK	**Ferhan Esen ve Hamza Esen:** BİYOFİZİK Nörobiyofizik; Ankara Nobel Tıp Kitabevleri; Ankara 2016. ISBN: 978-605-9215-10-7
OTHER REFERENCES	**Çelebi G:** Biyomedikal Fizik (2. Baskı), Barış Yayınları-Fakülteler Kitabevi, 1995. **Hoppe W., Lohmann W., Markl H., Ziegler H. (eds):** Biophysics, Springer-Verlag, Berlin, 1983. **Ruch T.C, Patton H.D:** Physiology and Biophysics (19.Edition), Saunders Company,1966 **Vasilescu V., Margineanu D.G.:** Introduction to Neurobiophysics. Abacus Press, 1982.
TOOLS AND EQUIPMENTS REQUIRED	Computer, Slide Projection

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	1

COURSE CODE	161112011	COURSE NAME	Medical Genetics

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Spring	2			2	2	COMPULSORY (x)ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
	x	x	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM			50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Introducing the gene and chromosome concepts and learning gene expression mechanisms and factors that influence them, mutation types and clinical outcomes of them, both Mendelian and non-Mendelian inheritance patterns and diseases, analysis methods in medical genetics, common genetic diseases, cancer genetics, genetic malformations of dental structure, genetic methods used in prenatal and postnatal diagnosis and their indications
COURSE OBJECTIVES	Unifying the concepts and basic mechanisms in medical genetics, reciting the causes of the diversity of the genetic diseases, evaluating the approaches families at risk with respect to genetic diseases they can face in future and making genetic counseling approaches applicable
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Knowing the genetic malformations and molecular pathologies related to dental structure, learning approaches to the patient and her/his family, developing genetic counseling attitudes with risk assessments will contribute to the patient-physician relationship.
COURSE OUTCOMES	To be able to learn the basic genetic concepts and the methods used in genetic diagnosis, to learn and analyze the appropriate approach to individuals with genetic disease who apply to the physician, and to gain the ability to interpret the results.
TEXTBOOK	Nussbaum RL, McInnes RR, Willard HF. Thompson and Thompson Tıbbi Genetik, ISBN:975-277-031-2. Güneş Kitapevi 2005
OTHER REFERENCES	Öner C. Genetik Kavramlar, Palme Yayıncılık, 2010
TOOLS AND EQUIPMENTS REQUIRED	

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Medical Genetics description, content and general concepts
2	Chromosome Morphology and nomenclature system
3	Numerical / Structural Chromosome Abnormalities
4	Gene structure, regulation and expression
5	Types of mutation and description
6	Mendelian Inheritance
7	Non-Mendelian Inheritance
8	Non-Mendelian Inheritance and related disorders
9	1st Mid-Term
10	1st Mid-Term
11	Epigenetics
12	Multifactorial Inheritance and Genetic Diseases
13	Cancer Genetics
14	Genetic methods used in prenatal and postnatal diagnosis
15	Dental anomalies associated with genetic diseases
16	Oral / dental malformations associated with genetic diseases
17	Genetic Counseling
18	Final Exam
19	Final Exam

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.		**X**	
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.		**X**	
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	**X**		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	**X**		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		**X**	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	**X**		
7	Consciousness of professional and ethic responsibility	**X**		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	**X**		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Cell Membrane and Membrane Transport
2	Passive Transport
3	Active Transport, Ion Pumps
4	Description of Membranes by Equivalent Electric Circuits
5	General Characteristics of Excitable Cells. Electrotonic (Passive) Spread of the Electric Signals over Cell Membrane: Cable Properties of the Axons.
6	**MID-TERM EXAM**
7	**MID-TERM EXAM**
8	Regenerative (Active) Propagation of the Electric Signals in Excitable Membranes: Hodgkin-Huxley Action Potential Equation
9	Voltage and Patch Clamp Techniques
10	Ion Channels
11	Compound Action Potential, Properties of Nerve Fibers.
12	Electrical and Chemical Synapses.
13	Excitatory and Inhibitory Postsynaptic Potentials.
14	Equivalent Electric Circuit Model of Postsynaptic Membrane. Neuronal Integration
15	Receptors and Biological Control
16	Receptors and Biological Control

NO	**PROGRAM OUTCOMES**	**3**	**2**	**1**
1	Sufficient knowledge on bioelectrics to understand the related organ/body functions.	**X**		
2	Ability to use principles of Biophysics in understanding and diagnosis of related diseases.		**X**	
3	Sufficient knowledge on the principles of Biophysical methods in medicine.	**X**		
4	Ability to use the multi-disciplinary concepts in understanding the problems.		**X**	
5	Ability to communicate in written and oral forms in Turkish		**X**	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		**X**	
7	Understanding of professional and ethical issues and taking responsibility		**X**	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	2

COURSE CODE	161114003	COURSE NAME	Histology and Embryology

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
	2		1			COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
	X		

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1 (Test)	25
	2nd Mid-Term	1 (Test)	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1 (Test)	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	
COURSE OBJECTIVES	
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	
COURSE OUTCOMES	
TEXTBOOK	
OTHER REFERENCES	
TOOLS AND EQUIPMENTS REQUIRED	

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Introduction to histology
2	Histological methods
3	Epithelial tissue 1- Covering epithelium
4	Epithelial tissue 2-Secretory epithelium and secretion
5	Connective tissue
6	Cartilage tissue
7	Bone tissue
8	Fat Tissue and Bone marrow
9	Blood Tissue
10	Muscle tissue
11	Nerve tissue
12	Introduction to embryology
13	Gametogenesis
14	Human development (First week)
15	Human development (Second week)
16	Human development (Third week)
17	Pharyngeal arches
18	Development of Head, neck and face
19	Development and histology of cardiovascular system
20	Development and histology of the lymphoreticular system
21	Development and histology of respiratory system
22	Development and histology of the digestive system-1
23	Development and histology of the digestive system-2
24	Development and histology of digestive system-3
25	Development and histology of the female genital system
26	Development and histology of male genital system
27	Development and histology of urinary system
28	Development and histology of Endocrine system
29	Development and Histology of Nervous System
30	Development and Histology of sense organs

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**X**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**X**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		**X**	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		**X**	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			**X**
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		**X**	
7	Consciousness of professional and ethic responsibility		**X**	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		**X**	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ FACULTY OF DENTISTRY COURSE INFORMATION FORM

CLASS	2

COURSE CODE	161114011	COURSE NAME	PHYSIOLOGY

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall-Spring	4	4		6	6	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
	X		

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	Should learn anatomy, histology, biochemistry and biophysics
COURSE DESCRIPTION	Physiology of muscles, blood, circulatory, respiratory, urinary, digestive, nervous, endocrin, sensory systems.
COURSE OBJECTIVES	To teach how the body of a healthy and young person works.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	To teach normal physiology
COURSE OUTCOMES	To be learned human physiology
TEXTBOOK	Course notes
OTHER REFERENCES	Guyton and Hall;Textbook of Medical Physiology Berne and Levy; Physiology Widmaier, Raff, Strang; Vander's Human Physiology
TOOLS AND EQUIPMENTS REQUIRED	Blackboard, overhead projector, computer system.

COURSE SYLLABUS	
WEEK	**TOPICS**
1	To meet with students and introduction to physiology
2	Membran potentials, skeletal muscle physiology
3	Smooth and cardiac muscle physiology
4	Functions of blood, plasma and erytrocytes
5	Leucocytes and platelet physiology
6	Electrophysiology of heart
7	The cardiac cycle, ECG
8	Cardiac output
9	Blood vessels and measurement of blood pressure
10	Mid-Term Exam-1
11	Transport of gases and hypoxia
12	Regulation of respiration
13	Mechanical digestion and movement of foods
14	Chemical digestion and GI hormones
15	Absorbtion of nutrients and regulation of feeding
16	Basic renal mechanisms
17	Regulation of Na and water in the body
18	Neural synapses and functions
19	Functions of Central Nervous System
20	Peripheral Nervous System and serebrospinal fluid
21	Sensory receptors
22	Brain, behaviour and consciousness
23	Mid-Term Exam-2
24	Vision system
25	Hearing and chemical senses
26	Hypothalamic and hypophisial hormones
27	Tyroid hormones
28	Hormones of blood glucose homeostasis
29	Endocrin regulation of growth and calcium balance
30	Final Exam

PROGRAM OUTCOMES

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.			X
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.			X
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.			X
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			X
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.			X
7	Consciousness of professional and ethic responsibility			X
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:no contribution. **2**: partially contribution Var. **3**:full contribution.				

ESOGÜ Faculty of Dentistry Course Information Form

CLASS	2

COURSE CODE	161114005	COURSE NAME	Anatomy II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
FALL and SPRING	4	4	4	6	6	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
	X		

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	20
	2nd Mid-Term	1	20
	Quiz		
	Homework	1	10
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	N/A
COURSE DESCRIPTION	The content of this course includes the following Anatomical Systems: 1. The First Step in Learning: Starts with Being an Effective Listener, 2. Cardiovascular System, 3. Respiratory System, 4. Digestive System, 5. Urogenital System, 6. Nervous System, 7. Endocrine System, 8. Sense Organs, 9. The Muscles of the Facial Expression, 10. Nerves and Innervation of the Head and Neck, and 11. Vessels and Lymphatic Drainage of the Head and Neck.
COURSE OBJECTIVES	In this course, detailed information about the usage and fundamentals of the anatomical systems that are listed above will be lectured. While giving this knowledge, the relationship between basic and clinical sciences has to be emphasized.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Students will be able to understand and use the information regarding the Anatomical System and define the organs that form the each system and point out the relationships of the organs of the different systems.
COURSE OUTCOMES	Students will be able to understand and use the information regarding the Anatomical System and define the organs that form the each system and point out the relationships of the organs of the different systems.
TEXTBOOK	- Arıncı, K, Elhan, A: Anatomi, Cilt 1-2, 2. Baskı, Güneş Kitabevi, Ankara, 1997. - Çimen, A: Anatomi. Uludağ Üniversitesi Basımevi, Bursa, 1987. - Dere, F: Anatomi, Cilt 1-2, 2. Baskı, Okullar Pazarı Kitabevi, Adana, 1990. - Moore, KL: Clinically Oriented Anatomy. 3th Edition, Williams and Wilkins, Baltimore, 1992. - Netter F.H.:Atlas of Human Anatomy, Seventh Edition, Ciba-Geigy Corporation, 1994.
OTHER REFERENCES	**Sobotta Human Anatomy Atlas, 2006.**
TOOLS AND EQUIPMENTS REQUIRED	N/A

COURSE SYLLABUS (Fall + Spring)	
WEEK and DATE	**TOPICS**
1. September 21, 2017	**Cardiovascular System I:** (Pericardium, Pericardial recesses, surfaces of the heart)
2. September 28, 2017	**Cardiovascular System II:** (Heart chambers and their condents)
3. October 5, 2017	**Cardiovascular System III:** (Cardiac vessels)
4. October 12, 2017	**Cardiovascular System IV:** (Conduction system fetal circulation)
5. October 19, 2017	**Respiratory System I:** (Nose and nasal cavity)
6. October 26, 2017	**Respiratory System II:** (Pharynx and its parts)
7. November 2, 2017	**Respiratory System III:** (Larynx and Trachea)
8. November 9, 2017	**Respiratory System IV:** (Lungs and Mediastinum)
9. November 16, 2017	**Digestive System I:** (Oral cavity)
10. November 23, 2017	**MID-TERM EXAM I**
11. November 30, 2017	**MID-TERM EXAM I**
12. December 7, 2017	**Digestive System II:** (Pharynx and Esophagus)
13. December 14, 2017	**Digestive System III:** (Stomach and small intestines)
14. December 21, 2017	**Digestive System IV:** (Large intestines)
15. December 28, 2017	**Digestive System V:** (Liver, pancreas, and gallbladder)
16. January 4, 2018	**Digestive System VI:** (Peritoneum and peritoneal recesses)
17. January 11, 2018	**MID-TERM BREAK**
18. January 18, 2018	**MID-TERM BREAK**
19. January 25, 2018	**MID-TERM BREAK**
20. February 1, 2018	**MID-TERM BREAK**
21. February 8, 2018	**MID-TERM BREAK**
22. February 15, 2018	**MID-TERM BREAK**
23. February 22, 2018	**MID-TERM BREAK**
24. March 1, 2018	**Nervous System I:** (Introduction to nervous system and spinal cord)
25. March 8, 2018	**Nervous System II:** (Brain stem)
26. March 15, 2018	**Nervous System III:** (Telencephalon and Cortical centers)
27. March 22, 2018	**Nervous System IV:** (Cranial nerves I-XII)
28. March 29, 2018	**Nervous System V:** (Ascending and Descending Pathways)
29. April 5, 2018	**MID-TERM EXAM II**
30. April 12, 2018	**MID-TERM EXAM II**
31. April 19, 2018	**Nervous System VI:** (Autonomic nervous system)
32. April 26, 2018	**Urogenital System I:** (Urinary system)
33. May 3, 2018	**Urogenital System II**: (Male and Female Genital Systems)
34. May 10, 2018	**Sense Organs I:** The eye and Ear
35. May 17, 2018	**Sense Organs II:** Taste and Skin
36. May 24, 2018	**Vessels, lymphatics, nerves and innervation of head and neck** I
37. May 31, 2018	**Vessels, lymphatics, nerves and innervation of head and neck** II
38. June 7, 2018	**Vessels, lymphatics, nerves and innervation of head and neck** III

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	X		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		X	
7	Consciousness of professional and ethic responsibility		X	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		X	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	2

COURSE CODE	161114006	COURSE NAME	MICROBIOLOGY - BACTERIOLOGY

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
3 and 4	4	2	0	5	6	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
	X		

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Content of the lesson is as follows: Introduction to and short history of microbiology and, taxonomy of microorganisms, structure and physiology of bacteria, staining methods, sampling and general isolation methods, normal microbial flora, disinfection and sterilization methods, introduction to immunology, antigen and immunoglobulin, structure of immune system, immune response, active and passive immunization, introduction to bacteriology, gram positive coccus, gram negative coccus, gram positive bacilli, gram negative bacilli, Mycobacteria, spirokets, Mycoplasma, Chlamydia, Introduction to Medical Virology, DNA viruses, RNA viruses, Introduction to Medical Mycology, yeast and molds, Introduction to Medical Parasitology, intestinal and urogenital protozoa, blood and tissue protozoa, helminthes.
COURSE OBJECTIVES	To teach the basic subjects about Medical Microbiology and Immunology, and general features, classification, virulence mechanisms, disease spectrums, epidemiology, clinical findings, laboratory diagnosis and protective methods of bacteria, yeast and molds, parasites, viruses.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	To teach the general subjects about infection agents and the responses that human being gives against these agents and to teach the common and important microorganisms, and diagnostic and protective methods
COURSE OUTCOMES	1. Understand the basic characteristics and importance of microorganisms. 2. Learn nomenclature, classification and identification of microorganisms of medical importance. 3. Know the anatomy of a prokaryotic cell, the functions of the parts, and how it differs from a eukaryotic cell. 4. Know basic bacterial shapes and arrangements and differences between Gram negative and positive cell walls.

	5. Know physiology of bacteria (growth requirements and terms: temperature, pH, and atmosphere). 6. Know microbial genetics and terminology (mutation, transformation, transduction, conjugation). 7. Know details of Gram stain, acid fast stain and Giemsa and their purpose. 8. Learn the artificial growth media of microorganisms. 9. Know normal flora within the human host and its clinical relevance 10. Know sterilization & disinfection methods and effect of physical and chemical agents on microbe and terms as disinfection, sterilization and antisepsis. 11. Know basic concepts about immunology including antigen and antibody. 12. Learn lymphoid organs and cells. 13. Learn immune response process. 14. Learn immuno-prophylaxis methods to prevent infectious diseases. 15. Understand the definition, structure and classification of bacteria, viruses, fungi and parasites. 16. Understand basic laboratory techniques related to the identification of bacteria, viruses, fungi and parasites. 17. For laboratory diagnosis of individual infectious agent, describe basic classification, important differentiating laboratory tests, important unique microscopy or growth characteristics. 18. Learn the basic principles of prevention and control of individual infectious diseases which may include alteration of the reservoir of infection, interruption of transmission of infection.
TEXTBOOK	1. Tıbbi Mikrobiyoloji. Patrick R. Murray, Ken S. Rosenthal, Michael A. Pfaller. Çeviri Editörü: Ahmet Başustaoğlu. Atlas Kitapçılık, Ankara, 2010. 2. Enfeksiyon Hastalıkları ve Mikrobiyolojisi. Prof. Dr. Ayşe WILLKE TOPÇU, Prof. Dr. Güner SÖYLETİR, Prof. Dr. Mehmet DOĞANAY. Nobel Tıp Kitabevi. 2008.
OTHER REFERENCES	
TOOLS AND EQUIPMENTS REQUIRED	Barcovision- power point presentations Medical Microbiology Laboratory

COURSE SYLLABUS	
WEEK	**TOPICS**
1	History of Microbiology, Classification of microorganisms Structure of bacteria Practice 1: Recognition and Rules of Microbiology Laboratory-1
2	Physiology and metabolism of bacteria Genetics of bacteria Practice 1: Recognition and Rules of Microbiology Laboratory-2
3	Structure of fungi and growth characteristics Classification, structure and growth of parasites Practice 3: Morphology of microorganisms
4	Growth Media of Microorganisms Stains used in medical Microbiology Practice 4: Growth media and techniques
5	Basic concepts on sterilization and disinfection Practices of sterilization and disinfection Practice 5: Microbiological staining methods
6	Biosafety Viral classification, structure and replication Practice 6: Practices of sterilization and disinfection
7	Antimicrobials Practice 7: Antimicrobial susceptibility tests
8	Introduction to immunology and antigen Immunoglobulins (antibodies) Practice 8: Immunology: Antigen and antibody
9	**1. MIDTERM EXAM**
10	Organs of immune system Cells of immune system Practice 9: Immunology: Structure of immune system
11	Microbiota Innate immunity Practice 10: Evaluation of microbiota
12	Cellular immune response Humoral immune response Practice 11: Immune response
13	Hypersensitivity reactions Vaccines and immune sera Practice 12: Hypersensitivity reactions
14	Direct diagnostic methods in microbiology Indirect diagnostic methods in microbiology Practice 13: Collection and transport of microbiological samples
15	Formation of infection Epidemiology of infection Practice 14: Diagnostic methods used in microbiology
16	Staphylococci Streptococci, Enterococci Practice 15: Aerobic Gram positive cocci
17	Anaerobic bacteria (Clostridium, Actinomyces, Bacteroides and others) Microaerophilic bacteria (Campylobacter, Helicobacter) Practice 16: Anaerobic and microaerophilic bacteria
18	Neisseria, Moraxella Acinetobacter and other aerobic gram negative cocci Practice 17: Aerobic Gram negative cocci
19	Enteric bacilli Vibrio, Pseudomonas and other aerobic Gram negative bacilli Practice 18: Aerobic Gram negative bacilli
20	Bacillus, Corynebacterium Nocardia and other aerobic gram positive bacilli Practice 19: Aerobic Gram positive bacilli
21	Mycobacterium Mycoplasma, Chlamydia, Rickettsia Practice 20: Mycobacterium
22	**2. MIDTERM EXAM**

23	Spirochetes (Treponema, Borrelia, Leptospira) Herpesviruses (HSV, VZV, CMV, EBV, HHV 6-7-8) Practices 21: DNA viruses (Poxvirus, Adenovirus, Parvovirus, Papilloma, Polyomavirus)
24	Picornavirus, Coronavirus, Norovirus Hepatitis viruses (HAV, HBV, HCV, HDV, HEV) Practices 22: Hepatitis viruses
25	Retrovirus (HIV) and other oncogenic viruses Orthomyxoviruses, Paramyxoviruses Practices 23: RNA viruses (Reo, Toga, Arena) and Prions
26	Superficial and cutaneous mycosis agents (Malassezia and dermatophytes) Endemic dimorphic fungi Practices 24: Mycology-1
27	Opportunistic fungi (Candida, Cryptoccoccus, Aspergillus, Zygomycetes and others) Practices 25: Mycology-2
28	Protozoa (Entamoeba, Plasmodium, Leishmania and others) Arthropods Practices 26: Protozoa
29	Helmints (Trematod, Nematod) Helmints (Cestod) Practices 27: Helmints
30	**FINAL EXAM**

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	2

COURSE CODE	161114007	COURSE NAME	Conservative Dentistry

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall-Spring	4	8		8	9	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
TERM	1st Mid-Term	1	10
	2nd Mid-Term	1	10
	Quiz		
	Homework	3	30
	Project		
	Report		
	Others (Pratic Exam)		
FINAL EXAM			50(%25 Pratical Exam-%25 Teorical Exam)

PREREQUIEITE(S)	There is no prerequisite for this course.
COURSE DESCRIPTION	The objective of this course is to teach conservative treatment approaches and applications for dental tissue loss.
COURSE OBJECTIVES	To teach conservative treatment approaches and applications for dental tissue loss.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Students who have successfully completed this course will be able to learn cavity preparation techniques and restorative materials applications.
COURSE OUTCOMES	Students who have successfully completed this course will be able to learn cavity preparation techniques and restorative materials applications.
TEXTBOOK	THEODORE ROBERSON, HAROLD O. HEYMANN, AND EDWARD J. SWİFT 'STURDEVANT'S THE ART AND

	SCİENCE OF OPERATİVE DENTİSTRY', MOSBY, V. BASKI, 2006.(TÜRKÇE)
OTHER REFERENCES	Kenneth J. Anusavice "Phillips' Science of Dental Materials", Saunders, 11th. Edition, 2003. 3. John M. Powers , Ronald L. Sakaguchi, "Craig's Restorative Dental Materials", Mosby, 7th Edition, 2006. 4. William J. O'Brien , "Dental materials and their selection", Quintessence Publishing, 4th Edition, 2009. 5. Hugh Devlin "Operative Dentistry, A pratical guide to recent innovations" Springer, 3rd Edition, 2006.
TOOLS AND EQUIPMENTS REQUIRED	Interactive teaching supported by slides, observation, and practice

COURSE SYLLABUS	
WEEKS	**TOPICS**
11.09.2020	Introduction of Conservative Dentistry
18.09.2020	Dental Hard Tissuies(Enamel)
25.09.2020	Dental Hard Tissuies(Dentin)
02.10.2020	Dental Hard Tissuies(Cementum)
09.10.2020	Hand Tools and equipments in Conservative Dentistry
16.10.2020	Rotary Instruments and equipments in Conservative Dentistry
23.10.2020	Rules of Cavity Preparation
30.10.2020	Rules of Cavity Preparation
9-20.11.2020	Mid Term Exam
9-20.11.2020	Mid Term Exam
27.11.2020	Rules of Cavity Preparation
04.12.2020 11.12.2020	Class II Cavity Preparation techniques Dental Amalgam Applications
18.12.2020 25.12.2020	Class V and III Cavity Preparation techniques Complex Cavity Preparation techniques
05.02.2021 12.02.2021	Restorations Dental cements & application techniques
19.02.2021 26.02.2021	Complex Dental Matrices
05.03.2021 12.03.2021 19.03.2021 26.03.2021	Dental Amagam & Dental Amalgam Applications
02.04.2021	Mercury Hygenie
05-16.04.2021	Mid Term Exam
05-16.04.2021	Mid Term Exam
30.04.2021	Saliva
07.05.2021	Saliva
21.05.2021	Halitosis- Bad Breath
28.05.2021	Discussion about Conservative Dentistry
4.06.2021	Discussion about Conservative Dentistry

PROGRAM OUTCOMES

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.			X
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.			X
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			X
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		X	
7	Consciousness of professional and ethic responsibility			X
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.			X
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ FACULTY OF DENTISTRY COURSE INFORMATION FORM

CLASS	2

COURSE CODE	161114008	COURSE NAME	PROSTHODONTICS II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall-Spring	4	16		12	12	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
TERM	Evaluation Type	Quantity	%
	1st Mid-Term	1	15
	2nd Mid-Term	1	15
	Quiz	2	
	Homework	20	15
	Project	1	5
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Teaching oral cavity, teeth and dental structures Theoretical & Practice: Structural elements of total and partial dentures, production techniques, fixed prosthesis and determinants of tooth preparation , impression techniques, fixing models to articulator, tooth setting, wax up and finishing procedures of removable dentures, full and partial crown construction, acrylic jacket crown construction tecnique, metal casting and casting defects.
COURSE OBJECTIVES	Teach the physical properties of materials used in the laboratory manipulation of these materials.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Applying phase-one clinical laboratory to prepare students in clinical applications. To learn the purpose and use of laboratory tools and materials necessary.
COURSE OUTCOMES	The basic tools and materials used during the construction of prosthetic laboratory and theoretical technical specifications, as well as the manipulation of the learned and practice.

TEXTBOOK	4- Ali Zaimoğlu, Gülşen Can. Sabit Protezler. 2. Baskı Ankara 2011. 5- Mutahhar Ulusoy.Kevser Aydın. Diş Hekimliğinde Hareketli Bölümlü Protezler. 3. Baskı.Ankara 2010 6- Senih Çalıkkocaoğlu, Pınar Kursoğlu, Nuray Çapa. Parsiyel Protezlerin Laboratuar İşlemleri. İstanbul 2005. 7- Senih Çalıkkocaoğlu. Tam Protezler. 4. Baskı. Ankara 2004.
OTHER REFERENCES	5- Herbert T. Shillingburg, Sumiya Hobo, Lowell D. Whitsett. Fundamentals of fixed prosthodontics. Quintessence Pub. Co., 1981. 6- Stephen F. Rosenstiel. Contemporary Fixed Prosthodontics. Elsevier Health Sciences, 2006. 7- Herbert T. Shillingburg, Richard Jacobi (D.D.S.), Susan E. Brackett. Fundamentals of Tooth Preparation. Quintessence Publishing Company, 1987
TOOLS AND EQUIPMENTS REQUIRED	Theoretical: Computer-aided projection, writing board Practice: Kerosene stove, major and minor brass mold, acrylic jaw model with teeth, rubber jaw molds, hydraulic press, plaster engine, plaster vibrator, polishing engine, laboratory micromotor, handpiece, contra-angle handpiece, bowl and bowl spatula, plaster knife, wax spatula, brit, crochet pliers.

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Anatomical structures on complete dentures
2	The pre-stages of tooth setting on complete dentures
3	Casting and clinical examination of edentulous arches
4	Complete denture base plate, wax template
5	Anterior teeth setting in complete dentures
6	Posterior teeth setting in complete dentures
7	Tooth setting and modelling in complete dentures
8	Construction phases of the complete dentures: Wax-up, transferring to brass mold, Polymerization defects of acrylic
9	Construction phases of the complete dentures- Finishing and polishing procedures
10	Problems with complete dentures
11	Problem solutions in complete dentures
12	Types of removable partial dentures Kennedy classification
13	Classification of partial dentures
14	Removable partial denture components – Retainers

15	Construction phases of the classical partial dentures- Tooth setting
16	Construction phases of partial dentures: Tooth setting, wax-up, transferring to brass mold, finishing procedures
17	Removable partial denture components- The main connectors
18	Removable partial denture components- Minor connectors
19	Removable partial denture components- Direct retainers, clasps
20	Removable partial denture components - Indirect retainers, rests
21	Laboratory procedures of partial denture framework
22	Partial denture types according to Kennedy classification
23	Precision Attachment-Retained Removable Partial Dentures-1
24	Precision Attachment-Retained Removable Partial Dentures-2
25	Clinical success in partial dentures
26	Introduction of crown types (Veneer crowns, partial crowns) General indication of crown types
27	The general principles of tooth preparation End Edge Forms
28	Application techniques of tooth preparation Transferring of tooth preparation to the model via impression material
29	Transferring of tooth preparation to the model via impression material
30	Problems and solutions occurring in fixed prosthesis

PROGRAM OUTCOMES

NO	PROGRAM OUTCOMES	3	2	1
1	Ability to understanding and learn the basic concepts of dentistry	**X**		
2	By learning about the basic materials used in making dental prostheses, especially to take advantage of them and to get them the ability to process	**X**		
3	The ability of the carry them to knowledge in the general morphological features of the construction of prosthetic teeth's.	**X**		
4	Skills of the effective use of prosthetic material and equipment in prostheses laboratory	**X**		
5	The concept of the framework for the profession of dentistry, rights, powers and responsibilities		**X**	
6	The ability of individual exercise, inter and multi disciplinary team-work	**X**		
7	The ability of the effective use speak and written in Turkish communicate and in skills of the body language of the professional practices		**X**	
8	Recognition of the need for lifelong learning, access to information, monitoring and continuous self-renewal ability in science and technology developments	**X**		
9	Professional and ethical responsibility		**X**	
10	The effect of dental applications on the global and social environment; about of the national international lawful regulations and standardizations knowledge		**X**	
1:no contribution. **2**: partially contribution Var. **3**:full contribution.				

ESOGÜ FACULTY OF DENTISTRY COURSE INFORMATION FORM

CLASS	2

COURSE CODE	161114009	COURSE NAME	Dental Materials

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall-Spring	2 + 2	0	0	4	4	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	None
COURSE DESCRIPTION	Physical and chemical properties of dental materials including the application and manipulation of the various materials used in dentistry.
COURSE OBJECTIVES	To enable the student to use dental materials in accordance with their properties
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Add ability to elect and use dental materials in accordance with their properties
COURSE OUTCOMES	1. Identify the materials commonly used in dentistry for restorative and lab procedures. 2. Demonstrate safe and appropriate handling of these materials and instruments. 3. Recognize the clinical appearance or intraoral presence of restorative materials. 4. Begin to understand the reasoning of a Dentist in choosing different materials and instruments. 5. Feel comfortable in answering basic questions from patients concerning dental materials.
TEXTBOOK	Diş Hekimliği Maddeler Bilgisi Yedinci Baskı– John F. McCabe – Çeviren : Prof. Dr. Emine Nayır
OTHER REFERENCES	O'Brien, W J. *Dental Materials and Their Selection.* Dental materials and their selection. Quintessence publishing Chicago, 1997. Craig's Restorative Dental Materials. Philadelphia, PA: Elsevier/Mosby, 2012.
TOOLS AND EQUIPMENTS REQUIRED	none

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Introduction to Dental Materials
2	Basic properties of materials
3	Physical properties of dental materials
4	Chemical properties of dental materials
5	Mechanical properties of dental materials
6	Adhesion
7	Adhesion
8	Adhesion
9	**MID-TERM EXAM**
10	MID-TERM EXAM
11	Polymers and polymerization
12	Polymers and polymerization
13	Polymers and polymerization
14	Dental Cements
15	Dental Cements
16	End Term Exam
17	Introduction to Dental Materials
18	Basic properties of materials
19	Physical properties of dental materials
20	Chemical properties of dental materials
21	Acrylic Resins
22	Plasters
23	Revetments- Casting
24	**holiday**
25	**MID-TERM EXAM** Adhesion
26	**MID-TERM EXAM**
27	Tissue Conditioners, Soft lining materials
28	Dental Ceramics
29	Dental Ceramics
30	Impression materials
31	Polymers and Polymerization
32	Metal Alloys Used in Endodontics
33	Root Fillers and Contents Used in Endodontics

PROGRAM OUTCOMES

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.		**X**	
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**X**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		**X**	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.			**X**
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			**X**
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.			**X**
7	Consciousness of professional and ethic responsibility			**X**
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.			**X**
1:None. **2**:Partially contribution. **3**: Completely contribution.				

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ESOGÜ FACULTY OF DENTISTRY COURSE INFORMATION FORM

CLASS	2

COURSE CODE	161114010	COURSE NAME	Professional English

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall + Spring	2	0	0	4	4	COMPULSORY (X) ELECTIVE ( )	TURKISH/ENGLISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
			x

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz	-	-
	Homework	-	-
	Project	-	-
	Report	-	-
	Others (……)	-	-
FINAL EXAM		1	50

PREREQUISITE(S)	English language skills at A2 level (CEFR)
COURSE DESCRIPTION	An interactive course with active participation of students teaching to use English in dental practice
COURSE OBJECTIVES	The main objectives are to gain or refresh basic language skills in English so they can use English in their studies and future professional practices..
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUCATION	Students will be able to work in an international environment
COURSE OUTCOMES	Students will be able to review the literature and propose questions and a research project that might move the field forward. Students will be able to communicate orally and in written forms with foreign patients/ colleagues, in appropriate ways about dental issues
TEXTBOOK	Materials will be delivered to students via emails before the lessons
OTHER REFERENCES	Glendinning, Eric H.& Howard, Ron (2007). Cambridge University Press Dofka, Charline M. (2013). Dental Terminology, 3rd Edition. Delmar Cengage Learning English for Faculty of Dentistry Students Course Notes by the instructor
TOOLS AND EQUIPMENTS REQUIRED	• Computer, • Projection • Loudspeakers • Board, Boardmarkers, Board eraser

COURSE SYLLABUS - FALL TERM	
WEEK	**TOPICS**
1	Overview of dentistry and dental specialties
2	Health and illness
3	Human body, its parts and functions of organs
4	
5	Systems of the body, ilnesses and symptoms
6	Blood, bones, endocrine system, nervous System
7	Word formation in medical words - Prefix, Root, suffix
8	Word formation in medical words - Prefix, Root, suffix
9	Dental Anatomy, dental structure, parts of a tooth and names of teeth
10	MIDTERM EXAMS
11	MIDTERM EXAMS
12	Endodontics
13	Orthodontics
14	Periodontics
15	Prosthodontics
16	Dental Professions, Dental Equipments and Materials
17	Communication with patients, taking patient's history

COURSE SYLLABUS - SPRING TERM	
WEEK	**TOPICS**
1	Terminology and Armamentarium of Prosthodonti – Dr. Öğr. Üyesi Ahmet Çalışkan
2	Terminology and Armamentarium of Oral Diagnosis - Asst. Prof. Dr. Elif Bilgir
3	Terminology and Armamentarium of Oral Radiology - Asst. Prof. Dr. Elif Bilgir
4	Terminology and Armamentarium of Periodontology - Asst. Prof. Dr. Başak Kuşakçı Şeker
5	Terminology and Armamentarium of Periodontology - Asst. Prof. Dr. Başak Kuşakçı Şeker
6	Terminology and Armamentarium of Restorative Dentistry - Assoc. Prof. Dr. Batucan Yaman
7	Terminology and Armamentarium of Restorative Dentistry - Assoc. Prof. Dr. Batucan Yaman
8	Terminology and Armamentarium of Oral and Maxillofacial Surgery – Assoc. Prof. Dr. Nesrin Saruhan
9	Terminology and Armamentarium of Oral and Maxillofacial Surgery - Assoc. Prof. Dr. Nesrin Saruhan
10	MIDTERM EXAMS
11	MIDTERM EXAMS
12	
13	Terminology and Armamentarium of Endodontics - Assoc. Prof. Dr. Ekim Onur Orhan
14	Terminology and Armamentarium of Endodontics - Assoc. Prof. Dr. Ekim Onur Orhan
15	Terminology and Armamentarium of Pediatric Dentistry - Asst. Prof. Dr. Seçil Çalışkan
16	Terminology and Armamentarium of Pediatric Dentistry - Asst. Prof. Dr. Seçil Çalışkan
17	Terminology and Armamentarium of Orthodontic - Asst. Prof. Dr. Mehmet Uğurlu

PROGRAM OUTCOMES

NO	PROGRAM OUTCOMES	3	2	1
1	apply knowledge of dentistry to practice	**x**		
2	gain the ability of studying in different socities	**x**		
3	get a recognition of the need for multicultural cooperation	**x**		
4	get the ability of making a scientific research	**x**		
1:no contribution. **2**: partially contribution Var. **3**:full contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	2

COURSE CODE	161114012	COURSE NAME	ORAL DIAGNOSIS

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Spring	2	-	-	1	2	COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
-	-	X	-

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	20
	2nd Mid-Term	1	30
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	Have to be successful in first class
COURSE DESCRIPTION	Common findings of oral mucosa, Extra-oral examination, Dental radiographic examination
COURSE OBJECTIVES	The aim of this course is to teach normal structure and abnormal situation of oral mucosa, issues to be considered on extra-oral examination and interpret the examination and radiographic findings.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Preclinicaly, the student learns to normal structure of oral mucosa, and can be distinguish abnormal situation. He/She learns evaluation of the extra-oral examination findings. He/She has knowledge about radiographic assestment.
COURSE OUTCOMES	Be able to realize intraoral mucosal changing Be able to distinguish normal and abnormal situation of oral mucosa Be able to learn issues to be considered on extra-oral examination. Be able to evaluate anatomic structure on radiography Be able to distinguish anomaly on radiography
TEXTBOOK	1-Bilge OM, Akgül HM, Dağıstan S. Diş Hekimliğinde Muayene ve Oral Diagnoz, Atatürk Üniversitesi Yayınları, Eser Ofset, 1. Baskı, Erzurum 2012. 2- Abubekir Harorlı (ed). Ağız, Diş ve Çene Radyolojisi, Nobel Tıp Kitabevi, İstanbul 2014. 3-Gawkrodger DJ(ed). Human Disease for Dentists, Blackwell Munksgaard, 2004

OTHER REFERENCES	4-White SC, Pharoah MJ. Oral Radiology Principles and Interpretation, Mosby Elsevier, 6th ed., 2009. 5- Bricker SL, Langlais RP, Miller CS. Oral Diagnosis, Oral Medicine and Treatment Planning, Lea & Febiger, 2nd ed., USA 1994. 6- Whaites E. Essentials of Dental Radiography and Radiology, Churchill Livingstone Elsevier, 4th ed., 2007. 7- Scully C. Oral and Maxillofacial Medicine The Basis of Diagnosis and Treatment, Churchill Livingstone Elsevier, 2nd ed., China 2008. 8- Scully C. Medical Problems in Dentistry, Churchill Livingstone Elsevier, 6th ed., China 2010. 9- Current articles
TOOLS AND EQUIPMENTS REQUIRED	Yazı Tahtası, Bilgisayar Ekipmanı

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Quality Assurance and Infection Control in Radiology
2	Oral Diagnosis Mean? Explanation of Terms Such as Diagnosis, Findings, Symptoms Patient-Physician Communication
3	Anamnesis Social, emotional and family anamnesis Medical anamnesis Anamnesis Questions Dental Anamnesis Anamnesis card
4	Diagnostic Process and Sequence and Consultation
5	Examination techniques and patient examination
6	Intraoral Examination I (Teeth and Supporting Tissues)
7	Intraoral Examination II (Common Findings Gingival and Dental Regions)
8	Intraoral Examination III (Tongue, Lips, Buccal Mucosa Floor of the Mouth, Pharynx, Palatina)
9	Extra-oral examination-I (Examination of the overall body movement including appearance, posture, walking, talking and evaluation of the findings)
10-11	**MIDTERM EXAMİNATION**
12	Extra-oral examination-II (Examination of the general findings including face shape, skin, hands, feet, fingers, nail and evaluation of the findings)
13	Extra-oral examination-III (Examination of the eyes, ears, nose,)
14	Extra-oral examination-IV(Salivary glands)
15	Extra-oral examination-V (Examination of the masticatory muscle)
16	Extra-oral examination-V (TMJ and evaluation of the common findings
17	Extra-oral examination-VI (Evaluation of neck and evaluation of the findings) Extra-oral examination-VII (Paranasal sinuses)

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	X		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	X		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ FACULTY OF DENTİSTRY
COURSE INFORMATION FORM

CLASS	2

COURSE CODE	161113002	COURSE NAME	Biochemistry of the Mouth

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Autumn	1		1			COMPULSORY (x) ELECTIVE ( )	English

COURSE CATAGORY			
Basic Science	Basic Medical Science	Medical Biochemistry	Medical Science
	X		

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	In this course, coagulation casvade, liver function tests, extracellular matrix synthesis, kidney function tests, acid-base state, bone and mineral structure of the tooth enamel crystal structure of the salivary biochemistry, structure and gums, biochemistry of dental plaque and calculus, biochemistry of cavities, biochemistry of fluorine metabolism, and other minerals involved in the structure of enamel, biochemistry of bad breath and mouth on mount cancers and the biochemical tumor markers are provide information
COURSE OBJECTIVES	The aim of this course is to contribute to the understanding of the molecular level issues related to the biochemistry of the mouth.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Will contribute to the professional training of dentists, oral biochemistry to know
COURSE OUTCOMES	To understant , Anorganic Mineral structure of the tooth, gums, dental caries, calculus, biochemical fundamentals of salivary formation
TEXTBOOK	Lecture notes
OTHER REFERENCES	**1-** Levine M.Topics of Dental Biochemistry.Springer.com,2011 **2-** Yılmaz T. Ağız ve Diş Biyokimyası. Ankara Üniversitesi Basımevi, Ankara 2012
TOOLS AND EQUIPMENTS REQUIRED	Laboratory equipment and supplies

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Coagulation cascade
2	Liver function tests
3	Extracellular Matrix biochemistry
4	Kidney function tests
5	Acid-base status
6	Inorganic structure of bone and tooth
7	The crystal structure of enamel
8	Midterm
9	Biochemistry of dental plaque and calculus
10	Biochemistry of Salivary
11	Biochemistry of cavities,
12	Biochemistry of flour metabolism
13	Other minerals involved in the structure of enamel
14	Biochemistry of bad breath
15	Mount cancers and tumour markers
16	Final exam

OUTCOMES OF THE COURSE				
S/N	**EXPLANATION**	**3**	**2**	**1**
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.		X	
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.		X	
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	X		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
c	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	X		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1: None **2:** Partially contribution **3:**Completeley contribution				

ESOGU FACULTY OF DENTISTRY
COURSE INFORMATION FORM

CLASS	2

COURSE CODE	161114001	COURSE NAME	ORAL MICROBIOLOGY

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Spring 4	1	1	0	1,5	2	COMPULSORY (X) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Vocational Courses	Basic Field Courses	Social Courses	Supportive Courses
X			

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Microorganisms that are present in the mouth and that can cause diseases in the mouth, immunological responses given in the mouth, sterilization, disinfection and hygiene rules in dental clinics are taught.
COURSE OBJECTIVES	To teach the oral microbiological subjects which will be used in dentistry
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	To learn the microorganisms present in the mouth and to know the oral responses given. To learn the hygiene rules that should be considered in a dental clinic.
COURSE OUTCOMES	1. To learn the microorganism that are normally found in mouth 2. To learn the bacteria that can cause diseases in mouth 3. To learn the viral agents that can cause diseases in mouth 4. To learn fungal infections that can be seen in mouth 5. To learn the methods used in microbiological examination of mouth 6. To learn the sterilization, disinfection and hygiene rules that should be considered in dental clinics and to apply them.
TEXTBOOK	Ağız Mikrobiyolojisi. Murat Aydın, Aydın Mısırlıgil. MN Medikal & Nobel Ankara, 2012.
OTHER REFERENCES	Enfeksiyon Hastalıkları ve Mikrobiyolojisi. Ayşe Wıllke Topçu, Güner Söyletir, Mehmet Doğanay. Nobel Tıp Kitabevi. 2017. Oral Microbiology and Immunology. Lamont RJ, Hajishengallis GN, Jenkinson HF. ASM Press, Washington, DC, 2014. Medical Microbiology (Tıbbi Mikrobiyoloji). Patrick R. Murray, Ken S. Rosenthal, Michael A. Pfaller. (Çeviri Editörleri: A. Dürdal US, Ahmet Başustaoğlu). Güneş Tıp Kitabevi, 2016.
TOOLS AND EQUIPMENTS REQUIRED	Barcovision-power point presentation Medical Microbiology Laboratory

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Microbiologic examination of the mouth – Material collection, culture
2	Infection control in dentistry, The first measures of blood contact
3	Disinfection in denture prosthesis laboratory, sterilization and disinfection in dentistry
4	Immunopathogenesis of periodontal diseases, immunological approach to oral disease
5	Prophylaxis of oral infections and antimicrobial treatment
6	**MID TERM EXAM**
7	Oral microbiota, relationship with systemic diseases
8	Endodontic microbiology, Periodontal microbiology
9	Microbiology of tooth decay, The relation between dental calculus and gastritis, –H.pylori
10	Contaminants of dental unit water systems
11	Bacterial infections of mouth, diagnosis and therapy
12	Fungal infections of mouth, diagnosis and therapy
13	Viral infections of mouth, diagnosis and therapy
14	Parasitic infections of mouth, diagnosis and therapy
15	**FINAL EXAM**

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**X**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**X**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		**X**	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		**X**	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		**X**	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	**X**		
7	Consciousness of professional and ethic responsibility	**X**		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	**X**		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ FACULTY OF DENTISTRY COURSE INFORMATION FORM

CLASS	2

COURSE CODE	161114002	COURSE NAME	Endodontics I

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Spring	2	0	0	2	2	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
TERM	1st Mid-Term	1	40
	2nd Mid-Term	-	-
	Quiz	-	-
	Homework	-	-
	Project	-	-
	Report	-	-
	Others (……)	-	-
FINAL EXAM		1	60

PREREQUIEITE(S)	To complete first grade successfully
COURSE DESCRIPTION	Introduction to endodontics, pulp and periapical tissue diseases, root canal anatomy
COURSE OBJECTIVES	The aim of this course is, before performing of root canal treatment, to make the dentistry student understand what root canal treatment is, why it is applied and root canal anatomy of teeth.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	At the end of this course, the students will learn the diagnosis of pulp and periapical tissue diseases, root canal anatomy of teeth theoretically and will be able to pass on practice.
COURSE OUTCOMES	1) The students have knowledge about history of endodontics, 2) The students have knowledge about the physiology, histology and pathology of pulp and periapical tissues. 3) The studens have knowledge about the anatomy of teeth of upper and lower jaw. 4) The students have knowledge about the preparation of root canal access cavity theoretically, 5) The students have knowledge about the devices which are using in endodontics, 6) The students have knowledge about decontamination, sterilization, disinfection and asepsis.
TEXTBOOK	1)Kenneth M. Hargreaves, Stephan Cohen, Cohen's Pathways of the pulp, Tenth edition,2011

OTHER REFERENCES	1) Mehmet Kemal Çalışkan, Endodontide Tanı ve Tedaviler, 2006 2) Tayfun Alaçam, Endodonti, 2012 3) Mahmoud Torabinejad Richad E Walton, Principles and Practice of Endodontics, Forth Edition, 2009
TOOLS AND EQUIPMENTS REQUIRED	• Computer, • Slide machine • Board • Boardmarkers • Board eraser.

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Introduction to endodontics and history of endodontics
2	Pulp-dentin complex
3	Pulp-dentin complex
4	Physiology and histology of periapex
5	Pulp diseases
6	Pulp diseases
7	Pathology of periapex
8	Pathology of periapex
9	Root canal anatomy and Access cavities
10	Root canal anatomy and Access cavity of anterior teeth
11	Root canal anatomy and Access cavity of premolar teeth
12	Root canal anatomy and Access cavity of molar teeth
13	Instruments used in endodontics
14	Instruments used in endodontics
15	Sterilization and disinfection

PROGRAM OUTCOMES

NO	PROGRAM OUTCOMES	3	2	1
1	To have information about the history of endodontics	**x**		
2	To have knowledge about physiology and histology of pulp-dentin complex	**x**		
3	To have knowledge about physiology and histology of periapical tissues	**x**		
4	To have knowledge about pulp diseases and their differential diagnosis	**x**		
5	To have knowledge about periapical tissue diseases and their differential diagnosis	**x**		
6	To have knowledge about root canal anatomy of anterior, premolar and posterior teeth	**x**		
7	To have knowledge about access cavity preparation of anterior, premolar and posterior teeth	**x**		
8	To have knowledge about the instruments that are using in endodontic practice	**x**		
9	To have knowledge about providing decontamination, sterilization, disinfection and asepsis.	**x**		
1:no contribution. **2**: partially contribution Var. **3**:full contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	3

COURSE CODE	161116002	COURSE NAME	DENTAL ANESTHESIA

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall/Spring	1+1	-	-	2	2	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM	Final Exam	1	50

PREREQUIEITE(S)	There is no recommended additional condition.
COURSE DESCRIPTION	Local anesthetic agents and local anesthesia techniques
COURSE OBJECTIVES	To give students the knowledge and skills to evaluate and manage the structural properties, effect mechanisms, application methods and complications of anesthetic drugs used in dental anesthesia.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	In the lesson of dental anesthesia, methods of applying local anesthetics, which are the basis of practical practice in dentistry, will be taught to students.
COURSE OUTCOMES	All students will have the level of knowledge that they can apply to local anesthesia at the end of the lesson.
TEXTBOOK	Ali Alp Sağlam, Dental Anestezi. Berkay Ofset Ltd.Şti, Ankara, 2005.
OTHER REFERENCES	Handbook of Dental Anesthesia. Malamed.
TOOLS AND EQUIPMENTS REQUIRED	There is no equipment required for the lesson

COURSE SYLLABUS	
WEEK	**TOPICS**
1-2	Pain Physiology I
3-4	Pain Physiology II
5-6	Innervation of the teeth I
7	Innervation of the teeth II
8	**29 OCTOBER**
9	Armamentarium for Dental Anesthesia I
10-11	**MIDTERM EXAM WEEK**
12-13	Armamentarium for Dental Anesthesia I
14-15	Armamentarium for Dental Anesthesia II
16-17	Local Anesthetics and Pharmacology I
18	**FINAL EXAM WEEK**
19-20	Local Anesthetics and Pharmacology II
21-22	Vasoconstrictors and Pharmacology
23-24	Local Anesthesia Techniques I
25-26	Local Anesthesia Techniques II
27	Local Anesthesia Techniques III
28-29	**MIDTERM EXAM WEEK**
30-31	Local Anesthesia Techniques III
32-33	Local Anesthesia Techniques IV
34-35	Local Complications of Local Anesthesia
36	Systemic Complications of Local Anesthesia
37-38	**FINAL EXAM WEEK**

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	X		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		X	
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		X	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	3

COURSE CODE	161116003	COURSE NAME	PHARMACOLOGY

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
	X					COMPULSORY () ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
	X		

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM	X	1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Pharmacology is a basic medical science discipline with clinical projections which is defined as the 'science of drugs'. The interest area of pharmacology is to study the interactions between drugs and biological systems as well as to develop suitable chemical substances to use for the diagnosis and treatment of diseases.
COURSE OBJECTIVES	To give fundamental information on pharmacology with clinical projections to dentistry faculty students and educate them as conscious professionals in prescribing drugs.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Course gives essential information to dentistry faculty students to prescribe drugs and to manage the treatment of patients.
COURSE OUTCOMES	Students know the interactions between drugs and humans and choose appropriate medicine for the patients
TEXTBOOK	Prof. Dr. S. Oğuz KAYAALP, Medical Pharmacology in terms of Rational Treatment, Pelikan Yayıncılık, 2012.
OTHER REFERENCES	
TOOLS AND EQUIPMENTS REQUIRED	

COURSE SYLLABUS	
WEEK	**TOPICS Autumn semester**
1	Introduction to Pharmacology and General Principles
2	Drug Absorption and Administration Routes
3	Pharmaceutical forms of drugs and Drug distribution
4	Dug Biotransformation and Excretion
5	Mechanisms of action of drugs and Receptor concept
6	Adverse effects of drugs, Drug Interactions
7	Introduction to autonomic nervous system, Parasymphathomimetics and parasymphatholytics
8	Symphathomimetics and symphatholytics
9	Antihypertensive drugs
10	**MIDTERM EXAM WEEK**
11	**MIDTERM EXAM WEEK**
12	Antiarrhythmic drugs, drugs in cardiac insufficiency
13	Drugs in hyperlipidemia and bleeding/clotting deficiency treatment
14	Respiratory system drugs
15	Introduction to chemotherapeutics
16	Beta lactam antibiotics-1 (**Penicillins)**
17	Beta Lactam Antibiotics-2 (Cefalosponins and others)
18	**FINAL EXAM**
19	
20	

COURSE SYLLABUS	
WEEK	**TOPICS Spring semester**
1	Aminoglycosides, Macrolides, Quinolones
2	Antifungals and Antiviral drugs
3	Cancer chemotherapy
4	Antiseptic and Disinfectants
5	Autocoids and Antihistamines
6	Local Anesthetics
7	Preaesthetic Medication and General Anesthetics
8	Narcotic analgesics, Drug addiction
9	Nonsteroidal Anti-inflammatory Drugs
10	**MIDTERM EXAM WEEK**
11	**MIDTERM EXAM WEEK**
12	Antidepressant and Anxiolytic Drugs
13	Antiepileptic Drugs
14	Drugs Used in the Treatment of Parkinson's and Alzheimer's Diseases
15	Corticosteroids, Sex hormones and Oral Contraceptives
16	Digestive System Pharmacology,
17	Prescription information
18	Medicines affecting saliva and gums
19	**FINAL EXAM**
20	

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.		X	
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			X
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		X	
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.			X
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	3

COURSE CODE	161116015	COURSE NAME	ORTHODONTICS I

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
FALL	1			2	3	COMPULSORY (x) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM			

PREREQUIEITE(S)	
COURSE DESCRIPTION	Prenatal and postnatal growth&development of head, face and jaws.
COURSE OBJECTIVES	Aim of the course are to learn the history and definition of orthodontics, and to learn the growth&development of head, face and jaws in orthodontic perspectives.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	To define the abnormal growth&development in the head and face region according to normal growth&development.
COURSE OUTCOMES	To know the concepts of growth&development and associate this concepts with orthodontics. To know the prenatal and postnatal development of soft and hard tissues of head and face.
TEXTBOOK	Enlow D.H., Hans M.G., Essentials of facial growth, W.B Saunders Company, 1996, USA.
OTHER REFERENCES	Ülgen M. Anomaliler , sefalometri, etiyoloji, büyüme ve gelişim, tanı, Ankara Üniversitesi Diş Hekimliği Fakültesi Yayınları, 2005, Ankara.
TOOLS AND EQUIPMENTS REQUIRED	Computer, projector, writing board, pointer.

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Definition and history of orthodontics
2	Growth&development, organogenesis, morphogenesis
3	Prenatal development of head and face; formation of primitive mouth, upper face formation
4	Prenatal development of head and face; formation of primer ve seconder palate
5	Prenatal devolopment of hard tissues; endochondral and membranosus ossification
6	Prenatal devolopment of hard tissues; epiphyseal plate and cartilage, sutures, sinkondrozis and condylar cartilage
7	Basic principles of hard tissue growth; remodelling, relocation, V principle, functional matrix hypothesis
8	Prenatal development of skull base and vault
9	Prenatal development of maxilla
10	Prenatal development of mandible
11	Postnatal development of maxilla
12	Postnatal development of mandible
13	Development of dental system; primary dentition, mixed dentition, transition to permanent dentition.
14	Development of dental system; permanent dentition, teeth eruption sequence, physiological tooth movement and properties

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**x**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.		**x**	
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		**x**	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		**x**	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			**x**
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.			**x**
7	Consciousness of professional and ethic responsibility		**x**	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		**x**	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	3

COURSE CODE	161116005	COURSE NAME	RESTORATIVE DENTISTRY II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall/Spring	2	14		9	9	COMPULSORY () ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	10
	2nd Mid-Term	1	10
	Quiz		
	Homework	3	0
	Project		
	Report		
	Others (Pratic Exam)		
FINAL EXAM			50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Definition of tooth structures, caries formation and progression and methods of diagnosis, Introduction of adhesive restorotons and application methods
COURSE OBJECTIVES	The objective of this course is to teach about the caries formation and diagnosis of the carious lesions, caries activity tests, caries prophylaxis and treatments. Giving information about the application of adhesive restorotons
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Students who have successfully completed this course will diagnose the caries and have knowledge about hard tissue structural losses. Makes dentol adhesive restorotons applicotions
COURSE OUTCOMES	Students who have successfully completed this course will be able to learn caries process and diagnosis of the carious lesions then reach their full potential capacity to perform treatment to the patients. They perform dentol adhesive restorotions in the tooth tissu
TEXTBOOK	Theodore Roberson, Harold O. Heymann, And Edward J. Swift `Sturdevant?s The Art And Science Of Operative Dentistry?, Mosby, V. Baskı, 2006. (Turkish)
OTHER REFERENCES	Thylstrup ? Fejerskov , Textbook of Clinical Cariology 2. Kidd et al. , Pickard?s Manual of Operative Dentistry 3. Kidd- Joyston- Bechail , Essentials of Dental Caries 4. Gerald T. , Principles and Practice of Operative Dentistry 5. S.N. Bhaskar , Orban ` s Oral Histology and Embryology 6. Wilson et al. , Advances in Operative Dentistry 7. Roulet et al. , Advances in Operative Dentistry I and II 8. William J . O? Brien , Dental Materials and Their Selection 9.Baum , Philips and Lund , Textbook of Operative Dentistry 10. Marzouk et al. , Operative Dentistry , Modern Theory and Practice
TOOLS AND EQUIPMENTS REQUIRED	-Interactive teaching supported by slides, observation, and practice

COURSE SYLLABUS	
WEEK	**TOPICS**
07.09.2020	Preclinical and Phantom laboratory working principles
14.09.2020	Introduction of Dental Caries
21.09.2020	Etiology of Denatal Caries
28.09.2020	Physicochemical Properties of Dental Hard Tissues with Relationship Caries
05.10.2020	Cariogenic Bacterial Plaque-Microflora
12.10.2020	Metabolic Activities of Cariogenic Bacterial Plaque
19.10.2020	Enamel Caries
26.10.2020	Dentin Caries
02.11.2020	Cementum Caries
09-20.11.2020	Mid Term Exam
09-20.11.2020	Mid Term Exam
23.11.2020 30.11.2020	Identification of Dental Caries
07.12.2020 14.12.2020 21.12.2020	Classification of dental caries
28.12.2020	General Review
16	Cavity Principles of Dental Composite Resin
17	Inroduction to adhesion
18-19	Dental Bonding Agents
20-21	Dental curing unit
22-23	Dental resin composite
24	Finishing Systems of Dental Composite
25	Polishing Systems of Dental Composite
26	Isolation
27	Rubber Dam Applications
28	Instruction Principles of Chemo-mechanical Caries Remover Systems
29	Repair Principles of Composite Resin Restorations
30-31	General Review

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	X		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGU Faculty of Dentistry
Course Information Form

CLASS	3

COURSE CODE	161116006	COURSE NAME	Prosthodontics III

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
SPRING	2	7		11	11	COMPULSORY (X) ELECTIVE ( )	TURKISH

CATEGORY OF COURSE

Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM	Final Exam	1	50
PREREQUIEITE(S)			
COURSE DESCRIPTION	**In Theory:** Different types of full and partial removable dentures, structural elements, construction techniques, dental preparation principles and fixed restorations, differences in preclinical measurement methods and clinical applications, articulate transfer of models, wax modeling, leveling, polishing, casting mistakes and reasons, acrylic jacquard construction techniques. **In Practice:** Obtaining complete and partial denture models and articulate, tooth allignment for complete and partial removable dentures, modeling, repeating, leveling, polishing, kron-bridge preparation, die modeling preparation, bridge modeling, acrylic jacket kron, modeling, reproduction, panning, leveling and polishing.		

COURSE OBJECTIVES	Teaching physical properties of materials used in laboratories and manipulation of these materials.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Prepare the students clinically by applying the laboratory phase of clinical practice individually. To learn the purpose and use of necessary materials and laboratory instruments
COURSE OUTCOMES	The basic tools and materials used in the laboratory stage in the construction of the prosthesis will be learned both theoretically and technically by means of manipulation. This knowledge is the comprehension and the development and measurement of the handicrafts of dental students.
TEXTBOOK	8- Ali Zaimoğlu, Gülşen Can. Sabit Protezler. 2. Baskı Ankara 2011. 9- Mutahhar Ulusoy.Kevser Aydın. Diş Hekimliğinde Hareketli Bölümlü Protezler. 3. Baskı.Ankara 2010. 10- Gülşen Can, Funda Akaltan.Hareketli Bölümlü Protezler.Planlama 3. Baskı. Ankara 2014. 11- Senih Çalıkkocaoğlu. Tam Protezler. 4. Baskı. Ankara 2004.
OTHER REFERENCES	8- Herbert T. Shillingburg, Sumiya Hobo, Lowell D. Whitsett. Fundamentals of fixed prosthodontics. Quintessence Pub. Co., 1981. 9- Stephen F. Rosenstiel. Contemporary Fixed Prosthodontics. Elsevier Health Sciences, 2006. 10- Herbert T. Shillingburg, Richard Jacobi (D.D.S.), Susan E. Brackett. Fundamentals of Tooth Preparation. Quintessence Publishing Company, 1987
TOOLS AND EQUIPMENTS REQUIRED	THEORETICAL: Computer aided barcovision, writing board PRACTICAL: Gas beak, coffin muffle, large muffle, acrylic jaw, rubber jaw molds, hydraulic press, gypsum engine, gypsum vibrator, polishing motor, laboratory micromotor, marketplace, anglular, abundant, abundant spoon, gypsum knife, spatula, muffle, brit , crochet pliers.

2020-2021 EDUCATION PERIOD WEEKLY PLAN OF PROSTHODONTICS III COURSE		
WEEK	**SUBJECT**	**LECTURER**
06.10.2020	Model analysis of partial dentures	Assoc. Prof. Canan AKAY
13.10.2020	Planning in partial dentures	Assoc. Prof. Canan AKAY
20.10.2020	Classification of holders in partial dentures	Assoc. Prof. Canan AKAY
27.10.2020	Mandibular major connector in removable partial prosthesis (Major-Minör)	Assoc. Prof. Canan AKAY
03.11.2020	Maxillar major connector in removable partial prosthesis (Major-Minör)	Assoc. Prof. Canan AKAY
10.11.2020	Clasps I	Assoc. Prof. Canan AKAY
17.11.2020	Clasps II	Assoc. Prof. Canan AKAY
24.11.2020	Biomechanical concepts in partial prosthesis	Assoc. Prof. Canan AKAY
01.12.2020	Impression techniques in partial prosthesis	Assoc. Prof. Canan AKAY
	EXAM WEEK	
	EXAM WEEK	
22.12.2020	Construction stages of partial removable dentures	Assoc. Prof. Canan AKAY
29.12.2020	Tooth selection in partial dentures	Assoc. Prof. Canan AKAY
05.01.2020	Occlusion in partial dentures	Assoc. Prof. Canan AKAY
12.01.2020	Post-prosthetic problems in partial dentures	Assoc. Prof. Canan AKAY
19.01.2020	Fixed partial bridge prosthesis indications	Assoc. Prof. Canan AKAY

26.01.2020	Tooth preparation principles	Assoc. Prof. Canan AKAY
23.02.2020	Evaluation of support teeth in fixed partial dentures	Assoc. Prof. Canan AKAY
02.03.2020	Introduction of bridge types in fixed partial denture restorations	Assoc. Prof. Canan AKAY
09.03.2020	Bridge pontic design, pontic-mucosa connection	Assoc. Prof. Canan AKAY
16.03.2020	Pontic construction techniques and connectors in fixed partial bridge prostheses	Assoc. Prof. Canan AKAY
23.03.2020	Biomechanical concepts in fixed partial prosthesis	Assoc. Prof. Canan AKAY
30.03.2020	Fixed partial temporary acrylic bridges	Assoc. Prof. Canan AKAY
06.04.2020	Provision of form and aesthetics in fixed partial crown bridge prosthesis	Assoc. Prof. Canan AKAY
13.04.2020	CAD / CAM applications in fixed prosthesis	Assoc. Prof. Canan AKAY
20.04.2020	CAD / CAM applications in fixed prosthesis	Assoc. Prof. Canan AKAY
	EXAM WEEK	
	EXAM WEEK	
11.05.2020	Impression tecnique in fixed prosthesis, direct and indirect impression methods I	Assoc. Prof. Canan AKAY
18.05.2020	Impression tecnique in fixed prosthesis, direct and indirect impression methods II	Assoc. Prof. Canan AKAY
25.05.2020	Tooth preperations in dental ceramics	Assoc. Prof. Canan AKAY
01.06.2020	Dental ceramics according to different criteria	Assoc. Prof. Canan AKAY
08.06.2020	Color selection in dental ceramics	Assoc. Prof. Canan AKAY
15.06.2020	Cementation procedures in dental ceramics	Assoc. Prof. Canan AKAY

In the course Lecturers	Assoc. Prof. Canan AKAY	In the course Lecturers

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.		X	
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.		X	
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	X		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		X	
7	Consciousness of professional and ethic responsibility			X
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. 2:Partially contribution. 3: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	3

COURSE CODE	161116007	COURSE NAME	Oral Diagnosis and Radiology

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
FALL	2	-	-	2	3	COMPULSORY (X) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	**20**
	2nd Mid-Term	1	**30**
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	**50**

PREREQUIEITE(S)	The student must be successful in second year lessons.
COURSE DESCRIPTION	Radiology and treatment planning
COURSE OBJECTIVES	It is aimed to give current and valid knowledge to students about radiology and treatment planning.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The student comprehends his role on the usage of equipments and the application of techniques with individual realization. He takes on his individual responsibility as a practitioner on the best way and applies most suitable techniques to patient. And completes the treatment planning accurately.
COURSE OUTCOMES	The student can list the concepts related to radiology and summarize them. He can run the rontgen machines accurately. He can know and select the appropriate technique according to case. He can comment the image from technical aspect. He can determine the technical errors. He can show the anatomical landmarks in an ideal image.
TEXTBOOK	1-Bricker LS, Langlais RP, Miller CS. Oral Diagnosis, Oral Medicine and Treatment Planning, Lea & Febiger, USA, 1994. 2-Özcan İ (ed). Sistemik Yaklaşımlarıyla Oral Diagnoz, Nobel Tıp Kitabevleri, İstanbul, 2007. 3-White SC, Pharoah MJ. Oral Radiology Principles and Interpretation, Mosby Elsevier, St.Louis, Missouri, 6th ed. (Int. ed.), 2009. 4-Harorlı A, Akgül HM, Dağistan S. Dişhekimliği Radyolojisi, Atatürk Üniversitesi Yayınları, 1.Baskı, Erzurum, 2006. 5-Whaites E. Essentials of Dental Radiography and Radiology, Elsevier, Spain, 4th ed, 2007.

OTHER REFERENCES	1-Bilge OM, Akgül HM, Dağıstan S. Diş Hekimliğinde Muayene ve Oral Diagnoz, Atatürk Üniversitesi Yayınları, Eser Ofset, 1. Baskı, Erzurum, 2012. 2-Baker EW(Ed.). Head and Neck Anatomy, Thieme Medical Publishers, New York, 2010. 3-Scientific current articles.
TOOLS AND EQUIPMENTS REQUIRED	The equipments for computer supported education, Whiteboard

COURSE SYLLABUS	
WEEK	**TOPICS**
1st Week	Radiographic Anatomy
2nd Week	Introduction to diagnostic radiology The principles of radiographic interpretation
3rd Week	Caries radiology, The radiographic interpretation of periapical and periodontal status
4th Week	**HOLIDAY**
5th Week	Radiologic assessment of inflammatory lesions of the jaws
6th Week	Radiologic assessment of cysts and cyst-like lesions of the jaws
7th Week	Radiologic assessment of cysts and cyst-like lesions of the jaws
8th Week	Radiologic assessment of benign tumours
9 th Week	Radiologic assessment of malign tumours
10-11 th Week	**Mid-term examinations**
12th Week	Radiologic assessment of the diseases of bones manifested in the jaws
13th Week	Radiologic assessment of the diseases of bones manifested in the jaws
14th Week	Systemic Disease Findings Affecting the Jaws and Radiological Evaluation
15th Week	Paranasal sinus radiology
16th Week	Temporomandibular joint radiology
17th Week	Salivary gland radiology
18th Week	Final examinations

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**X**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**X**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	**X**		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		**X**	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		**X**	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	**X**		
7	Consciousness of professional and ethic responsibility	**X**		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	**X**		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	3

COURSE CODE	161116016	COURSE NAME	Oral and Maxillofacial Surgery I

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall/ Spring	2+2	-	-	4	5	COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM	Final Exam	1	50

PREREQUIEITE(S)	There is no recommended additional condition.
COURSE DESCRIPTION	The basic concepts and techniques in Oral and Maxillofacial Surgery will be explained theoretically.
COURSE OBJECTIVES	Be able to create a surgical point of view to the jaw and surrounding tissues.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The students will be taught how to solve the problems and the theoretical infrastructure will be provided in professional practice in Oral and Maxillofacial Surgery course.

COURSE OUTCOMES	All students will have the level of theoretical knowledge that may be necessary to apply tooth extraction at the end of the course.
TEXTBOOK	Mustafa Türker, Şule Yücetaş. Ağız, Diş, Çene Hastalıkları ve Cerrahisi. Atlas Kitapçılık Tic.Ltd.Şti. 2. Baskı, Ankara, 1999.
OTHER REFERENCES	Murat Bilge, Murat Akgül, Saadettin Dağistan. Diş Hekimliğinde Muayene ve Oral Diagnoz. Atatürk Üniversitesi Yayınları, No:1004, Erzurum, 2012.
TOOLS AND EQUIPMENTS REQUIRED	Laptop and projection machine.

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Introduction to Oral and Maxillofacial Surgery
2	Systemic Diseases
3	Systemic Diseases
4	Systemic Diseases
5	Systemic Diseases
6	Patient Evaluation And Examination Methods
7	Patient Evaluation And Examination Methods
8	Laboratory Tests And Radiological Examination
9	Asepsis And Antisepsis
10	**MIDTERM EXAM WEEK**
11	**MIDTERM EXAM WEEK**
12	Sterilization And Disinfection
13	Trauma And Wound Healing
14	Trauma And Wound Healing
15	Instruments Used in Surgery
16	Instruments Used in Surgery
17	Basic Surgical Principles
18	**Final EXAM WEEK**
19	Incisions And Flap Techniques
20	Incisions And Flap Techniques
21	Incisions And Flap Techniques
22	Suture Materials And Techniques
23	Suture Materials And Techniques
24	Tooth Extraction
25	Tooth Extraction
26	Tooth Extraction
27	Complications of Tooth Extraction
28	**MIDTERM EXAM WEEK**
29	**MIDTERM EXAM WEEK**
30	Hemorrhage
31	Hemorrhage
32	Hemorrhage
33	Complications of Tooth Extraction
34	Complications of Tooth Extraction
35	Complications of Tooth Extraction
36	Complications of Tooth Extraction
37	**FINAL EXAM**
38	**FINAL EXAM**

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with Oral and Maxillofacial surgery; an ability to apply theoretical and practical knowledge on solving and modeling of oral surgical problems.	x		
2	Ability to determine, define, formulate and solve surgical problems; for that purpose an ability to select and use convenient analytical and modeling methods.	x		
3	In order to investigate surgical problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	x		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	x		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	x		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	x		
7	Consciousness of professional and ethic responsibility	x		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	x		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	3

COURSE CODE	161116017	COURSE NAME	PERIODONTOLGY I

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
	4	-	-	4	4	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	NONE
COURSE DESCRIPTION	To teach nonsurgery periodontal treatment method, medication in the periodontal treatment, clinical and radiologic diagnosis, periodontal treatment of medically compromised patients, hormones and periodontal health (Periodontal therapy in the female patient), the reason of halitosis and treatment option, periodontal disease in children, geriatric dentistry and treatment method, periodontal therapy in patients with HIV infection, general principles of periodontal surgery and for surgery decision making process, gingivectomy and gingivoplasty operations, the periodontal flap, supportive periodontal treatment, the suture technique and periodontal pat, bone defects and resective bone surgery, bone grafts, furcation defects and treatment.,regeneration, guided tissue regeneration, wound healing after periodontal treatment, mukogingival surgery I, mukogingival surgery II, Prothesis-Periodontic Relations, Orthodontic-Periodontic Relations, Endodontic- Periodontic relations, periodontal splints, periodontal approaches in implant surgery, characteristic of periimplant tissue and osseointegration, treatment alternative in periimplantitis.
COURSE OBJECTIVES	Nonsurgery periodontal treatment method, Medication in the periodontal treatment, Clinical and radiologic diagnosis, Periodontal treatment of medically compromised patients, Hormones and periodontal health (Periodontal therapy in the female patient), The reason of halitosis and treatment option, Periodontal disease in children, Geriatric dentistry and treatment method, Periodontal therapy in patients with HIV infection, General principles of periodontal surgery and for surgery decision making process, Gingivectomy and gingivoplasty operations,The periodontal flap, Supportive periodontal treatment, The suture technique and periodontal pat, Bone defects and resective bone surgery, Bone grafts, Furcation defects and treatment, Regeneration, Guided tissue regeneration, Wound healing after periodontal treatment, Mukogingival surgery I, Mukogingival surgery II, Prothesis-Periodontic Relations, Orthodontic-

	Periodontic Relations, Endodontic- Periodontic relations, Periodontal splints, Periodontal approaches in implant surgery, Characteristic of periimplant tissue and osseointegration, Treatment alternative in periimplantitis.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Understanding of various index systems of pre-clinical student and this information can be used in the diagnosis of periodontal diseases. Diagnosis of periodontal diseases can be done according to these methods, diagnosis methods and treatment plan. Classification of periodontal disease. Diagnosis and treatment of periodontal health and gingival diseases, periodontitis stages and degrees, learn the gingival enlargement and gingival recession
COURSE OUTCOMES	• know the clinical diagnosis of periodontal diseases. • know phase I periodontal therapy. • know the medication in the periodontal treatment • know the periodontal treatment of medically compromised patients • know the reason of halitosis and treatment option • know the periodontal treatment of female patients. • know the periodontium change in the childhood and olderly • know the treatment of periodontitis. • know the suture technique and periodontal pat • know the periodontal splint and indication
TEXTBOOK	• Newman MG., Takei HH., Klokkevold PR., Carranza FA., 2006; Carranza's Clinical Periodontology, Tenth edition, WB Saunders Company . • Lindhe J., Lang NP., Karring T., 2008; Clinical Periodontology and Implant Dentistry, 5th Edition. Wiley-Blackwell. • Rateischak KH, Wolf HF. Çeviri Editörü: Prof. Dr. Gürhan Çağlayan Çeviri: Yrd. Doç. Dr. Hasan Hatipoğlu. 2007, Periodontoloji, 3. baskı, Palme Yayıncılık Ankara. • Elsevier Saunders Co, Philedelphia, USA. Periodontoloji, Ataoğlu T, Gürsel M, 3.baskı, 1999, Damla Ofset AŞ. Konya, Türkiye. • Periodontoloji ve İmplantoloji I-II Editörü: Prof. Dr. Gürhan Çağlayan 1. baskı, Palme Yayıncılık, Ankara
OTHER REFERENCES	• Periodontology 2000 • Journal of Periodontology • Journal of Clinical Periodontology • Journal of Periodontal Research
TOOLS AND EQUIPMENTS REQUIRED	Note, Slideshow

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Periodontal tissue I (gingiva, alveolar bone)
2	Periodontal tissue II (cementum, periodontal ligament)
3	Embriyology of periodontal tissue
4	Holiday
5	Periodontal tissue which changes of and the aging periodontium
6	Attachment on teeth. (materia alba, plaque, dental calculus)
7	Epidemiology of periodontal diseases and community periodontal indices
8	Risk factors for periodontal disease (local etiological factors, cigarette, genetic…)
9	Microbiology of periodontal diseases
10	EXAM
11	EXAM
12	Defense mechanisms of the gingiva and mouth (saliva and gingival crevicular fluid, epitelial turnover)
13	Immunity and inflammation.
14	Pathogenesis of periodontal diseases periodontal pocket
15	Bone loss and patterns of bone destruction
16	Enstruments used in periodontology
17	Periodontal instrumentation
18	EXAM
1	Classification of periodontal diseases
2	Periodontal health and Gingivitis
3	Periodontitis I
4	Periodontitis II
5	Effect of various immunodeficiency syndromes on the periodontium
6	Systemic disorders and periodontitis
7	Acute periodontal infections index
8	Oral hygiene education and total plaque control (disclosing agents, tooth brushing techniques, brush interface, toothpaste)
9	Disinfection and sterilization in dentistry
10	EXAM
11	EXAM
12	Holiday
13	Holiday
14	Occlusal trauma
15	Gingival enlargements and treatment options
16	Gingival recession and treatment options
17	Skin and oral mucosal diseases
18	EXAM
19	EXAM

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	

5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	3

COURSE CODE	161116010	COURSE NAME	Basic Pathology

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall and spring	x					COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
x		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Investigation of the changes and function impairments that occur in cells, tissues and organs in case of disease
COURSE OBJECTIVES	Learning about disease mechanisms, examination of disorders affecting many tissues and organs, that induced by degenerative, hemodynamic, inflammatory mechanisms or neoplasms
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Understanding of developmental mechanisms of the disease, thus forming the basis for understanding of diseases
COURSE OUTCOMES	Knows the pathogenesis of the diseases Learns morphological changes in the tissues that induced by diseases and clinical findings of diseases
TEXTBOOK	Robbins Temel Patoloji
OTHER REFERENCES	
TOOLS AND EQUIPMENTS REQUIRED	

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Cell injury (Dr. Deniz Arık)
2	Cell death and apoptosis (Dr. Deniz Arık)
3	Adaptation and intracellular accumulations, (Dr. Deniz Arık)
4	Edema, dehydration , Congestion, hemorrhage (Dr. Deniz Arık)
5	Thrombosis, embolism (Dr.Nazlı Sena Şeker)
6	Ischemia, infarction (Dr. Nazlı Sena Şeker)
7	Acute inflammation (Dr. Nazlı Sena Şeker)
8	Chronic inflamation and Repair (Dr. Nazlı Sena Şeker)
9	Immunologic Diseases (Dr. Nazlı Sena Şeker)
10	Definition and Classification of Neoplasms, Etiology and Pathogenesis (Dr. Evrim Yılmaz)
11	Benign and malignant neoplasms, (Dr. Evrim Yılmaz)
12	Developmental anomalies of the oral cavity (Dr. Dr. Nazlı Sena Şeker)
13	Infectious Diseases of the oral cavity (Dr. Funda Canaz)
14	Infectious Diseases of the bones of jaw and teeth (Dr. Funda Canaz)
15	Immun-mediated diseases of the oral cavity (Dr. Funda Canaz)
16	Cystic lesions of the oral cavity (Dr. Funda Canaz)
17	Physical and chemical injuries of the oral cavity (Dr. Emel Tekin)
18	Reactive lesions of the oral cavity (Dr. Evrim Yılmaz)
19	Pigmented lesions of the oral cavity , Benign epithelial lesions of the oral cavity (Dr. Evrim Yılmaz)
20	Malignant epithelial tumors and precursor lesions of the oral cavity (Dr. . Emel Tekin)
21	Odontogenic tumors (Dr. Emel Tekin)
22	Oral soft tissue tumors (Dr. Emel Tekin)
23	Salivary gland diseases 1 (Dr. Emel Tekin)
24	Salivary gland diseases 2 (Dr Emel Tekin)

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.		**x**	
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.		**x**	
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.			**x**
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		**x**	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		**x**	
7	Consciousness of professional and ethic responsibility			**x**
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.			**x**
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	3

COURSE CODE	161116011	COURSE NAME	PEDIATRIC DENTISTRY I

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Spring	1			2	3	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	None
COURSE DESCRIPTION	Psychologic development of children, clinical and radiographical examination in children, dental caries and prevention of dental caries.
COURSE OBJECTIVES	The course aims to get information about the approach to pediatric patients, the management of dental anxiety, the clinical and radiographical examinations, the dental caries among children, and prevention of dental caries and to gain the ability to diagnose and treatment.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The dental students knowledge about the management of dental anxiety as comprehend the psycological development of children, can perform the methods of caries prevention as knowledge about the clinical and radiographical examinations in children.
COURSE OUTCOMES	Be able to determine of differences of the approach to pediatric patients Be able to perform the behaviour management methods Be able to perform the clinical and radiographical examinations in children Be able to describe of the caries formation and progression in children Be able to list the methods of caries prevention Be able to perform the methods of caries prevention Be able to describe the oral hygiene habits, mechanical and chemical tooth cleaning in children Be able to perform the oral hygiene habits, mechanical and chemical tooth cleaning in children

TEXTBOOK	Tortop T, Tulunoğlu Ö. Çocuk Diş Hekimliği Bebeklikten Ergenliğe.4. baskı. Atlas kitapçılık; 2009. Koch G, Poulsen S. Çocuk Dişhekimliğine Klinik yaklaşım. 2nd ed. Medya yayın grubu; 2009.
OTHER REFERENCES	Thylstrup A, Fejerskov O. Textbook of Clinical Cariology. 2nd ed. Copenhagen, Munksgaard; 1994. Laskaris G. Color Atlas of Oral Diseases in Children and Adolescents.Thieme; 2000. Fejerskov O, Kidd E. Dental Caries: The Disease and Its Clinical Management. 2nd ed. Blackwell, Munksgaard; 2004. Dean JA, Avery DR, Mc Donald RE. Dentistry for the Child and Adolescent. 9th ed. Mosby; 2010. Welbury RR, Duggal MS, Hosey MT. Pediatric Dentistry. 4th ed. Oxford University Press; 2012.
TOOLS AND EQUIPMENTS REQUIRED	The equipments for computer supported education

COURSE SYLLABUS	
WEEK	**TOPICS**
1	PSYCHOLOGIC APPROACH of CHILD PATIENT and BEHAVIOUR MANAGEMENT METHODS
2	PSYCHOLOGIC APPROACH of CHILD PATIENT and BEHAVIOUR MANAGEMENT METHODS
3	CLINICAL EXAMINATION in PEDIATRIC DENTISTRY
4	CLINICAL EXAMINATION in PEDIATRIC DENTISTRY
5	RADIOGRAPHICAL EXAMINATION in PEDIATRIC DENTISTRY
6	DENTAL CARIES in CHILDREN The Etiology and Diagnosis of Caries, Caries Risk Assessment
7	DENTAL CARIES in CHILDREN The Etiology and Diagnosis of Caries, Caries Risk Assessment
8	DENTAL CARIES in CHILDREN Early Childhood Caries
9	PREVENTIVE DENTISTRY Dental Plaque Control, Mechanical and Chemical Tooth Cleaning
10	**MID-TERM EXAM**
11	**MID-TERM EXAM**
12	PREVENTIVE DENTISTRY Dental Plaque Control, Mechanical and Chemical Tooth Cleaning
13	PREVENTIVE DENTISTRY Dental Caries and Nutrition In Children
14	PREVENTIVE DENTISTRY Fluoride in Pediatric Dentistry
15	PREVENTIVE DENTISTRY Fluoride in Pediatric Dentistry
16	PREVENTIVE DENTISTRY Fluoride in Pediatric Dentistry
17	PREVENTIVE DENTISTRY Fluoride in Pediatric Dentistry
18	PREVENTIVE DENTISTRY Fissure Sealant

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	3

COURSE CODE	161116018	COURSE NAME	First Aid and Emergency Service

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall/Spring	1			2	2	COMPULSORY(X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
	X		

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Basic knowledge and description, objectives of first aid, transportation of sick and wounded and first aid applications in common situations.
COURSE OBJECTIVES	Teaching the basic knowledge about first aid to students and to acquire the basic skills of first aid to dentist candidates.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	
COURSE OUTCOMES	To raise awareness of first aid and skills about first aid.
TEXTBOOK	Eğitim Fakülteleri ve Sınıf Öğretmenleri için Sağlık ve Trafik Eğitimi, Şenşekerci E., Türkkan A. Ezgi Kitapevi Yayınları Bursa; 2003.
OTHER REFERENCES	- Tüzün M., Taşkın E., Saraç L., Ünal F.g.: İlkyardım. ODTÜ Toplum ve Bilim Merkezi, Ankara; 2009. - İlkyardım İçişleri Bakanlığı, Sivil Savunma Genel Müdürlüğü, Ankara; 1992. - Trafik ve İlkyardım, Düzgün Yayıncılık, Ankara; 2008. Tiryaki D. İlkyardım El Kitabı. Artı Sağlık Kalite Yayınları, İstanbul; 2007.
TOOLS AND EQUIPMENTS REQUIRED	Basic educational tools (Application in laboratory if possible).

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Description and courses of first aid.
2	Description and courses of first aid.
3	Transportation of sick and wounded.
4	External and internal bleeding.
5	First aid in bleeding.
6	First aid in burns.
7	First aid in freeze
8	First aid in fractures, dislocations and sprains.
9	First aid in fractures, dislocations and sprains.
10	First aid in head traumas.
11	First aid in intoxication.
12	First aid in intoxication.
13	Breathe and cardiac arrest
14	Cardiopulmoner resuscitation.
15	Cardiopulmoner resuscitation.
16	First aid in different situations
17	Discussion of examples
18	General evaluation.
19	
20	

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	3

COURSE CODE	161116013	COURSE NAME	ENDODONTI II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theoretical	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall	X					COMPULSORY (X) ELECTIVE ( )	TURKISH
Spring	X					COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	10
	2nd Mid-Term	1	10
	Quiz		
	Homework		
	Project		
	Report		
	Others (Scores of the preclinical works)	1	40
FINAL EXAM		1	40

PREREQUIEITE(S)	To success in 2nd year compulsory courses
COURSE DESCRIPTION	Endodontics II Course is the second theoretical step among Endodontics classes.
COURSE OBJECTIVES	To train dental students who can make treatment planning of endodontic diseases.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Endodontics II course includes the theoretical steps of treatment plan and their preclinical applications.
COURSE OUTCOMES	The student who successfully completes this course can make diagnosis and treatment planning of endodontic diseases, know the treatment planning in endodontic disease, and gains skill or prerequisite before the next step of clinical applications
TEXTBOOK	1.Selmin Kaan Aşçı, Endodonti, 2014
OTHER REFERENCES	1.Tayfun Alaçam, Endodonti, 2000 2.Mehmet Kemal Çalışkan, Endodontide Tanı ve Tedaviler, 2006 3.Stephen Cohen, Kenneth M Hargreaves, Pathways of the Pulp, Ninth Edition, 2009 4. Arnaldo Castellucci, Endodontics; 2005 5.Johnson William T. Color Atlas of Endodontics 6. Ingle Bakland Baumgartner, Ingle's Endodontics, fifth edition, 2002
TOOLS AND EQUIPMENTS REQUIRED	an updated equipment list is released before the mid-term.

ESOGÜ FACULTY OF DENTISTRY COURSE INFORMATION FORM

CLASS	3

COURSE CODE	161116001	COURSE NAME	Ethics and Deontology

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Spring	1	0	0	1	1	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY

Basic Science	Basic Medical Science	Clinical Science	Social Science
	x		

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
TERM	1st Mid-Term	1	50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	To know ethical principles and ethical approaches i. To have knowledge on biomedical values that are specific to dentistry. To comprehend the ethical and legal responsibilities in dentistry and informed consent in. To analyze the cases indentistry from the ethical aspect.
COURSE OBJECTIVES	To know ethical and legal responsibilities as well as the legislations specific to the field. To evaluate the problems specific to the dentistry from the ethical aspect and to propose solutions
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	To know ethics codes and deontological approaches in dental applications
COURSE OUTCOMES	To know ethics codes and deontological , To analyze the cases in dentistry
TEXTBOOK	1) Bulut.G.:Diş hekiminin yasal sorumluluğu Ankara 2013.Adalet yayınevi 2) Hatırnaz Erol G.:Diş hekimlerinin hukuki sorumluluğu ve hasta hakları.2017.Ankara.Seçkin Yayıncılık. 3) Erdemir,Demirhan A.,Atıcı,E., Öncel, Ö.,Erer,S.:Diş hekimliğinde korku ve etik.İstabul 2008.Nobel Tıp Kitabevleri

OTHER REFERENCES	
TOOLS AND EQUIPMENTS REQUIRED	

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Ethics as a field of philosophy of values
2	Ethics as a field of philosophy of values
3	Ethical principles and approaches
4	Ethics – deontology differentiation
5	Norms and occupational ethics
6	Ethical codes of dentistry
7	Ethical and legal responsibilities of dentists
8	Mid-term exam
9	Medical interventions and patient consent in dentistry
10	Patient consent
11	Rights and responsibilities of patients and dentists
12	Rights and responsibilities of patients
13	Ethical dilemmas and case solutions
14	National legislations related with oral health from ethics point of view
15	National legislations related with oral health from ethics point of view
16	Final exam

PROGRAM OUTCOMES

NO	PROGRAM OUTCOMES	3	2	1
1	Ability to understanding and learn the basic concepts of dentistry			
2	By learning about the basic materials used in making dental prostheses, especially to take advantage of them and to get them the ability to process			
3	The ability of the carry them to knowledge in the general morphological features of the construction of prosthetic teeth's.			
4	Skills of the effective use of prosthetic material and equipment in prostheses laboratory			
5	The concept of the framework for the profession of dentistry, rights, powers and responsibilities	**X**		
6	The ability of individual exercise, inter and multi disciplinary team-work			
7	The ability of the effective use speak and written in Turkish communicate and in skills of the body language of the professional practices			
8	Recognition of the need for lifelong learning, access to information, monitoring and continuous self-renewal ability in science and technology developments			
9	Professional and ethical responsibility	**X**		
10	The effect of dental applications on the global and social environment; about of the national international lawful regulations and standardizations knowledge	**X**		
1:no contribution. **2**: partially contribution Var. **3**:full contribution.				

course syllabus	
week	**topics**
1	working length determination
2	working length determination
3	root canal shaping
4	root canal shaping
5	root canal ırrigation-materials
6	root canal ırrigation-materials
7	root canal ırrigation-techniques
8	root canal ırrigation-techniques
9	ıntracanal medications
10	**mid-term exams**
11	**mid-term exams**
12	ıntracanal medications
13	root canal sealers
14	root canal sealers
15	root canal obturation techniques
16	root canal obturation techniques
17	**spring term**
18	rubber dam
19	rubber dam
20	temporary sealing
21	temporary sealing
22	local anesthetics
23	local anesthetics
24	diagnostic methods in endodontology
25	diagnostic methods in endodontology
26	antibiotics & endodontics
27	antibiotics & endodontics
28	**mid-term exams**
29	**mid-term exams**
30	success&failure 1
31	success&failure 2
32	success&failure 3

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	X		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	X		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1: None. **2**: Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	3

COURSE CODE	161116014	COURSE NAME	Clinical Observation

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall and Spring	-	X	-	0	4	COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
-	-	X	-

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	-	-
	2nd Mid-Term	-	-
	Quiz	-	-
	Homework	-	-
	Project	-	-
	Report	-	-
	Others (……)	-	-
FINAL EXAM			100

PREREQUIEITE(S)	Have to be successful in second class
COURSE DESCRIPTION	The clinical procedure of dentistry
COURSE OBJECTIVES	The aim of this course is to show the clinical procedure to student before the fourth and fifth class in which the student will make diagnosis, treatment plan and treatment. Thus it is aimed to attempt the student more effective in his clinical job when he starts to work in clinic.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	In final two years when clinical study begins, the student knows his expected responsibility for each clinic. He makes the job for patient. He informs the patient after treatment and follows the patient if it is necessary.
COURSE OUTCOMES	Student: 1- Comprehends the self-procedure of all clinics (for eight clinics) 2- Knows equipment of clinics and defines the functions of them. 3- Explains the diagnostic and treatment process of practitioner for each clinic.
TEXTBOOK	Kılıçarslan MA. Dört Elli Diş Hekimliğinde Yardımcı Personel ve Klinik Yöntemi, Palme yayıncılık, Ankara 2013.
OTHER REFERENCES	Current articles
TOOLS AND EQUIPMENTS REQUIRED	All equipment used in dentistry clinics for diagnostic, treatment planning and treatment procedures

COURSE SYLLABUS	
WEEK	**TOPICS**
1	**Dentomaxillofacial Radiology**
2	**Dentomaxillofacial Radiology**
3	**Dentomaxillofacial Radiology**
4	**Periodontology**
5	**Periodontology**
6	**Periodontology**
7	**Oral and Maxillofacial Surgery**
8	**Oral and Maxillofacial Surgery**
9	**Oral and Maxillofacial Surgery**
10	**Restorative Dentistry**
11	**Restorative Dentistry**
12	**Restorative Dentistry**
13	**Endodontics**
14	**Endodontics**
15	**Endodontics**
16	**Prosthodontics**
17	**Prosthodontics**
18	**Prosthodontics**
19	**Pedodontics**
20	**Pedodontics**
21	**Pedodontics**
22	**Orthodontics**
23	**Orthodontics**
24	**Orthodontics**

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**X**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**X**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	**X**		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	**X**		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	**X**		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	**X**		
7	Consciousness of professional and ethic responsibility	**X**		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	**X**		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	4

COURSE CODE	161118002	COURSE NAME	ORTHODONTICS II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
FALL	2			4	5	COMPULSORY (x) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM			

PREREQUIEITE(S)	
COURSE DESCRIPTION	Diagnosis, treatment planing, anchorage and biological basics in orthodontics. Orthodontic treatment methods, complications, interdisciplinary approaches, cleft lip and palate and TMJ.
COURSE OBJECTIVES	Learning diagnosis concept in orthodontical disorders. Understanding how to form the orthodontic treatment plan. Comprehending concept and types of anc Learning the orthodontic treatment methods, complications, interdisciplinary approaches. To have an information TMJ and orthodontics. Know the cleft lip and palate and treatment methods.horage. Learning the space gaining methods.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Course helps to orthodontic treatment planning with orthodontic diagnosis methods. And course helps to define and diversifie the diagnosis, treatment planing, anchorage and biological basics in orthodontics. Seperates and defines the treatment methods. Define the cleft lip and palate and inform the patients. Define the TMJ problems and inform the patients about the treatment methods.
COURSE OUTCOMES	Know and evaluate the diagnosis methods in orthodontics. Learn the biological mechanism in orthodontics. Identifie and classifie the anchorage concept in different situations. Know the space gaining procedures in orthodontics. Have information about the orthodontic treatment methods and classify them. Know the TMJ disorders, cleft lip and palate and their treatment methods.
TEXTBOOK	William R. Proffit, Henry W. Fields, David M. Sarver. Contemporary Orthodontics, Mosby, St. Louis, 2007.
OTHER REFERENCES	Özdiler E. Güncel Bilgiler Işığında Ortodonti, Gümüş Kitabevi, Ankara, 2015.
TOOLS AND EQUIPMENTS REQUIRED	Projector, Computer, Blackboard, Pointer

ESOGÜ FACULTY OF DENTISTRY
COURSE INFORMATION FORM

CLASS	4

COURSE CODE	161118003	COURSE NAME	PROSTHODONTICS

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall-Spring	4			4	5	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Clinical Science	Social Science	Elective
	X		

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	Midterm exam	1	25
	Midterm exam	1	25
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Teaching Oral cavity, teeth and dental structures and missing teeth as prosthetic rehabilitation.
COURSE OBJECTIVES	Besides learning the morphological characteristics of the teeth and oral cavity, general information regarding the implementation of prosthetic teeth provide operations on patients
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Understanding the factors in the anatomical and prosthetic rehabilitation of dental prostheses without damaging the prosthetic patient
COURSE OUTCOMES	The completion of the single missing teeth in prosthodontics need multiple missing teeth in either fixed or removable denture with what should happen on that teaches patients to be rehabilitated Hand tools and materials used in the prosthesis laboratory stage with theoretical and technical characteristics, as well as will be learned by practice of the manipulation.
TEXTBOOK	12- Prof Dr Senih Çalıkkocaoğlu Bölümlü Protezler . 13- Prof Dr Senih Çalıkkocaoğlu Tam Protezler 14- Herbert T. Shillingburg (Author), David A. Sather Jr. (Author), Edwin L. Wilson Jr. (AuthorFundamentals of Fixed Prosthodontics 4th Edition
OTHER REFERENCES	11- Contemporary Fixed Prosthodontics by Stephen F. Rosenstiel BDS MSD
TOOLS AND EQUIPMENTS REQUIRED	THEORETİCAL: Computer aided projection, whiteboards PRACTICE: Aerator and micromotor handpiece, which according to various diameters and lengths drills plenty, spatula, the cook, crochet pliers

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Indications for fixed and removable prostheses, anamnesis of full denture patients, extraoral and intraoral examination, taking impressions in full dentures
2	Definition, purposes, advantages and disadvantages of partial dentures
3	Examination in terms of crown-bridge
4	Intraoral borders of the total prosthesis, determination of the anatomical borders of the lower-upper base plate on the model and placement of wax walls
5	Factors providing retention in total prostheses; anatomical factors, resorption, anatomical factors; alveolar arches, soft tissue, post-dam area
6	Physical and mechanical factors and anatomical factors that provide retention in total prostheses
7	Principles in determining vertical height, problems at the trials, Aesthetics
8	Examination, mouth preparation in partial dentures
9	Classification of partial dentures; Kennedy classification, indication and planning
10-11	1st . MIDTERM EXAM
12	Principals of tooth preperation
13	Impression methods in fixed restorations
14	Impression and impression methods in partial dentures
15	The concept of retention in partial dentures, components of the prosthesis
16	Framework prosthetic elements, general properties of the main binders
17	Indirect retention; definition, indications, shapes, rests; functions and types
18	TERM EXAM
19	Delivery of partial dentures to the patient
20	Inclusion of base plate, wax template in removable partial dentures, occlusion in removable partial dentures
21	Metal alloys used at removable dentures
22	Precision Attachments
23	Early and late problems in full and partial dentures
24	Classification of crown-bridges and classification of porcelain crowns
25	Classification and stages of ceramic materials
26	Structure of dental porcelain and properties of aluminous porcelain
27-28	2nd Midterm Exam
29	Laboratory stages of metal porcelain crowns
30	Temporary crowns-bridges, materials used, build up techniques
31	Tooth preparation in porcelain jacket crown, case presentations
32	Tooth preparation in laminate restorations
33	Stages of implant supported fixed restorations
34	Errors in porcelain, mechanical, biological, aesthetic errors, correction of wrong applications

		3	2	1
1	Understanding the basic concepts of dental and learning skills	**x**		
2	To benefit from learning these basic materials used in dental prostheses and especially about gaining the ability to process them	**x**		
3	Knowing the skills to carry them prothesis general morphology of the teeth	**x**		
4	The ability to effectively utilize the tools and materials used in the prosthesis laboratory	**x**		
5	The general framework of the dental profession; rights, powers and responsibilities		**x**	
6	Self-study, disciplinary and interdisciplinary teamwork ability	**x**		
7	Turkish oral and written ability to use body language and vocational skills to communicate effectively in practice		**x**	
8	Awareness of the need for lifelong learning; Access to knowledge, science and technology developments in the monitoring and continuous self-renewal ability	**x**		
9	Professional and ethical responsibility		**x**	
10	About its effects on health and the environment on a global and societal dimensions of the dental practice; about national and international regulations and standards and awareness of the legal implications of medical practice		**x**	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	4

COURSE CODE	161118004	COURSE NAME	ENDODONTI III

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theoretical	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall	X					COMPULSORY (X) ELECTIVE ( )	TURKISH
Spring	X					COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	To be successful in 3rd grade compulsory courses
COURSE DESCRIPTION	Endodontics III Course includes the last-step of the theoretical program of among Endodontics courses.
COURSE OBJECTIVES	To train dental students who can make diagnosis and treatment planning of endodontic diseases.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Endodontics III course provides the practitioner dentist's training to apply Endodontic treatment within the limits of practice, to recognize borderline cases, and to make the correct orientation. It provides a theoretical basis for the clinic for future Endodontics expertise.
COURSE OUTCOMES	The student who successfully completes this course can make diagnosis and treatment planning of endodontic diseases, know the limits of the renewal of endodontic treatment, make diagnosis and treatment planning in traumatic dental injuries, and know situations that require a multidisciplinary treatment approach.
TEXTBOOK	1.Selmin Kaan Aşçı, Endodonti, 2014
OTHER REFERENCES	1.Tayfun Alaçam, Endodonti, 2000 2.Mehmet Kemal Çalışkan, Endodontide Tanı ve Tedaviler, 2006 3.Stephen Cohen, Kenneth M Hargreaves, Pathways of the Pulp, Ninth Edition, 2009 4. Arnaldo Castellucci, Endodontics; 2005 5.Johnson William T. Color Atlas of Endodontics 6. Ingle Bakland Baumgartner, Ingle's Endodontics, fifth edition, 2002
TOOLS AND EQUIPMENTS REQUIRED	Not available

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Vital Endodontic Treatments
2	Vital Endodontic Treatments
3	Vital Endodontic Treatments
4	Regenerative Endodontics
5	Regenerative Endodontics
6	Root canal treatments in single or multiple sessions in permanent teeth
7	Root canal treatments in single or multiple sessions in permanent teeth
8	Root canal treatments in single or multiple sessions in permanent teeth
9	Root canal treatments in single or multiple sessions in permanent teeth
10	**Midterms**
11	**Midterms**
12	Traumatic Dental Injuries
13	Traumatic Dental Injuries
14	Traumatic Dental Injuries
15	Traumatic Dental Injuries
16	Traumatic Dental Injuries
17	Traumatic Dental Injuries
18	**Final Exams**
19	Endodontic Retreatments
20	Endodontic Retreatments
21	Endodontic Surgery
22	Endodontic Surgery
23	Diagnosis and treatment planning in root resorption
24	Diagnosis and treatment planning in root resorption
25	Endodontic Microbiology
26	Endodontic Microbiology
27	**Midterms**
28	**Midterms**
29	Contemporary approaches in Endodontic treatment
30	Contemporary approaches in Endodontic treatment
31	Multidisciplinary approaches in diagnosis and treatment planning of endodontic borderline cases.
32	Multidisciplinary approaches in diagnosis and treatment planning of endodontic borderline cases.

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	X		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	X		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1: None. **2**: Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	4

COURSE CODE	161118005	COURSE NAME	ORAL DIAGNOSIS and RADIOLOGY II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall Spring	4	-	-	4	5	COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
-	-	X	-

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	20
	2nd Mid-Term	1	30
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	Have to be successful in third class
COURSE DESCRIPTION	Systemic Diseases Neurological diseases, infectious diseases, sexually transmitted diseases, special patients, drugs, oral habits, malodor ve burning sensation, dermal and mucosal findings, advance radiology and implant radiology
COURSE OBJECTIVES	The aim of this course is to teach the importance of systemic diseases in the way of dentistry. By the way, taking into consideration of systemic diseases in clinical process is provided in dental treatment planning. The aim of this course is to explain the importance of neurological diseases, infectious diseases, special patients, drugs, oral habits, dermal and mucosal findings of systemic diseases in the way dentistry. By the way, the realization of treatment planning of special diseases in clinical process is provided. The radiology knowledge of student is carried from dental point to maxillofacial fan.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The student realizes the importance of systemic diseases. He knows the medicine and the treatment process of the patients. He can differentiate the prognosis of patients who have systemic disease and who have no systemic disease. The student realized the patients in special periods and different conditions. He learns to manage the process in infectious diseases. He comprehends the noticable points in the use of drugs. He can associate the oral lesions with systemic diseases and drug administration. He undestads the indications of advanced radiological techniques. He can evaluate radiographs for implant indication and follow up.

COURSE OUTCOMES	Be able to explain the medical anamnesis and the concept of systemic disease Be able to list systemic diseases Be able to state the differentiation of diseases and the treatments in the way of dentistry Be able to explain the dental management approaches Be able to manage the patients in special periods and different conditions Be able to list infectious disease Be able to list the oral and mucosal findings of systemic diseases Be able to list the impotant points of drug choice Be able to make a choice of patients for suitable radiological techniques Be able to list oral habits Be able to recognize oral habits and burning sensation
TEXTBOOK	1-Bilge OM, Akgül HM, Dağıstan S. Diş Hekimliğinde Muayene ve Oral Diagnoz, Atatürk Üniversitesi Yayınları, Eser Ofset, 1. Baskı, Erzurum 2012. 2- Abubekir Harorlı (ed). Ağız, Diş ve Çene Radyolojisi, Nobel Tıp Kitabevi, İstanbul 2014. 3-Gawkrodger DJ(ed). Human Disease for Dentists, Blackwell Munksgaard, 2004.
OTHER REFERENCES	4-White SC, Pharoah MJ. Oral Radiology Principles and Interpretation, Mosby Elsevier, 6th ed., 2009. 5- Bricker SL, Langlais RP, Miller CS. Oral Diagnosis, Oral Medicine and Treatment Planning, Lea & Febiger, 2nd ed., USA 1994. 6- Whaites E. Essentials of Dental Radiography and Radiology, Churchill Livingstone Elsevier, 4th ed., 2007. 7- Scully C. Oral and Maxillofacial Medicine The Basis of Diagnosis and Treatment, Churchill Livingstone Elsevier, 2nd ed., China 2008. 8- Scully C. Medical Problems in Dentistry, Churchill Livingstone Elsevier, 6th ed., China 2010. 9- Current articles
TOOLS AND EQUIPMENTS REQUIRED	White Board, Computer Equipment

COURSE SYLLABUS	
WEEK	**TOPICS**
	FALL TERM
1	Syndrome, Craniofascial Syndromes, ASA Classification, Prophylaxis
2	Hematologic Diseases
3	Cardiac Diseases, Hypertension
4	Respiratory System Diseases Ear, Nose Throat Diseases
5	Endocrinological Diseases and Metabolism-1
6	Endocrinological Diseases and Metabolism-2
7	Immune System, Allergy, Autoimmune Diseases
8	The Administration of Immunosuppressives and Corticosteroids
9	Ophthalmological Diseases Dermatological Diseases
10, 11	**MID-TERM EXAMINATIONS**
12	Musculoskeletal Diseases
13	Rheumatological Diseases
14	Gastrointestinal Diseases Halitosis and Burning Mouth
15	Chronic Renal Failure, Dialysis, Organ Transplantation
16	Vitamins and Oral Findings of Vitamin Deficiencies
	SPRING TERM
1	Sexually Transimitted Diseases (AIDS, Syphilis, Gonore) Liver Diseases and Viral Hepatitis
2	CBCT and Dentistry (**Assist. Prof. Dr. İbrahim Şevki BAYRAKDAR**)
3	Infectious Diseases (Bacterial, Viral and Fungal)
4	Neurologic Diseasee and Headaches
5	Neuromuscular Diseases (Craniofascial Nerve Disorders)
6, 7	**MID-TERM EXAMINATIONS**
8	Mental Diasability, Psychiatric Patients and Substance Addiction
9	Oncologic Patients Chemotherapy, Radiotherapy and BRONJ
10	Gestation, Lactation, Menopause, Andropause, Osteoporosis
11	Drug Interactions and Advers Effects
12	Bruxism and Parafunctions Implant Radiology
13	Advanced Radiological Techniques **(Prof. Dr. Cüneyt ÇALIŞIR)**
14	The Dermal and Mucosal Findings of Systemic Diseases **(Assist. Prof. Dr. Elif BİLGİR)**
15	Geriatrics and Dentistry Implant Radiology
	FINAL EXAMINATION WEEKS

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**X**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**X**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	**X**		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	**X**		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	**X**		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	**X**		
7	Consciousness of professional and ethic responsibility	**X**		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	**X**		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	4

COURSE CODE	161118006	COURSE NAME	Oral and Maxillofacial Surgery II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall/Spring	1+1	-	-	2	5	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM	Final Exam	1	50

PREREQUIEITE(S)	There is no recommended additional condition.
COURSE DESCRIPTION	Our lesson includes diagnostic and treatment methods of cystic formations, salivary gland and maxillary sinus diseases seen in the maxillofacial region.
COURSE OBJECTIVES	Our aim is to provide the knowledge and skills to evaluate and manage diagnostic and treatment methods.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	In Oral and Maxillofacial Surgery II lesson, students will be given the ability to diagnose the pathological conditions that they may encounter in maxillofacial region examination.
COURSE OUTCOMES	All students will have the level of knowledge at the end of the lesson to evaluate the maxillofacial region pathologies.
TEXTBOOK	Ağız, Diş, Çene Hastalıkları ve Cerrahisi. Mustafa Türker, Şule Yücetaş. Atlas Kitapçılık, 1997, Ankara
OTHER REFERENCES	Current Therapy in Oral and Maxillofacial Surgery, Shahrokh C. Bagheri, R.Bryan Bell, Elsevier, 2012, United States.
TOOLS AND EQUIPMENTS REQUIRED	There is no equipment required for the lesson.

COURSE SYLLABUS	
WEEK	**TOPICS**
1-2	Impacted Teeth I
3-4	Impacted Teeth II
5-6	Salivary Gland Diseases I
7-8	Salivary Gland Diseases II
9	Maxillary Sinus Disease I
10-11	**MIDTERM EXAM WEEK**
12	Maxillary Sinus Disease I
13	Maxillary Sinus Disease II
14	Preprosthetic Surgery I
15	Preprosthetic Surgery II
16	Surgical Anatomy
17	**FINAL EXAM WEEK**
18	Jaw Cysts and Cyst-like Lesions
19-20	Dental Source Infections and Treatments I
21-23	Dental Source Infections and Treatments II
24	Dental Source Infections and Treatments III
25-26	Apikal Resection
27	Jaw Traumatology I
28-29	**MIDTERM EXAM WEEK**
30	Jaw Traumatology I
31-32	Jaw Traumatology III
33-34	Current Practices in Oral and Maxillofacial Surgery
35-36	**FINAL EXAM WEEK**

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**x**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**x**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	**x**		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		**x**	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		**x**	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		**x**	
7	Consciousness of professional and ethic responsibility		**x**	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		**x**	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	4

COURSE CODE	161118007	COURSE NAME	Periodontology II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
FALL SPRING	4	-		4	4	COMPULSORY (x) ELECTIVE ( )	TURKISH

COURSE CATAGORY

Basic Science	Basic Medical Science	Clinical Science	Social Science
		x	

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	YOK
COURSE DESCRIPTION	Non surgical periodontal treathment procedures, the used medicines, clinical and radiological diagnosis, patients with medical problems, hormones, halitosis and treathment procedures, periodontal health at kids, HIV patients, Decision for periodontal surgery. To analyze and learn how to treat patients using Non surgical periodontal treathment procedures, and how to use medicines, analyze clinical and radiological diagnosis, patients with medical problems, hormones, halitosis and treathment procedures, periodontal health at kids, HIV patients, How to decide for periodontal surgery.
COURSE OBJECTIVES	Students will learn what periodontal health means.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	• Know periodontal tissues • Periodontal classification • Ethiology of periodontal diseases • Effects of local and systemic effects. • Pathogenesis of diseases
COURSE OUTCOMES	• Newman MG., Takei HH., Klokkevold PR., Carranza FA., 2006; Carranza's Clinical Periodontology, Tenth edition, WB Saunders Company . • Lindhe J., Lang NP., Karring T., 2008; Clinical Periodontology and Implant Dentistry, 5th Edition. Wiley-Blackwell. • Rateischak KH, Wolf HF. Çeviri Editörü: Prof. Dr. Gürhan ÇAĞLAYAN Çeviri: Yrd. Doç. Dr. Hasan HATİPOĞLU. 2007, Periodontoloji, 3. baskı, Palme Yayıncılık Ankara. • Elsevier Saunders Co, Philedelphia, USA. Periodontoloji, Ataoğlu T, Gürsel M, 3.baskı, 1999, Damla Ofset AŞ. Konya, Türkiye.

TEXTBOOK	• Journal of Periodontology ve Journal of Clinical Periodontology Journal of Periodontal Research Dergileri
OTHER REFERENCES	Computer supported and library based techniques
TOOLS AND EQUIPMENTS REQUIRED	To analyze and learn how to treat patients using Non surgical periodontal treathment procedures, and how to use medicines, analyze clinical and radiological diagnosis, patients with medical problems, hormones, halitosis and treathment procedures, periodontal health at kids, HIV patients, How to decide for periodontal surgery.

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Clinical and radiological diagnosis
2	Patients with medical problems
3	Hormones and Periodontal health (Periodontal health at woman)
4	Halitosis and
5	Periodontal health at young ages
6	Geriatric patients
7	Patients with HIV infection
8	Medicines
9	Antiplaque Agents
10	**Exam week**
11	**Exam week**
12	Non surgical treathments
13	Decision about surgical procedures
14	Gingivectomy and Gingivoplasti
15	Flap operation
16	Supportive treatment
17	**EXAM**
1	Suture techniques
2	Bone defects
3	Resective bone surgery
4	Bone grafts
5	Furcation defects and treatment.
6	Regeneration
7	Guided tissue regeneration
8	Wound healing after periodontal treatment
9	Mukogingival surgeryI
10	Mukogingival surgeryII
11	**Exam**
12	**Exam**
13	Prothesis-Periodontic Relations
14	Orthodontic-Periodontic Relations
15	Endodontic- Periodontic relations
16	Periodontal splints
17	Oral-mucosal pigmentations
18	**EXAM**

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	X		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	X		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	4

COURSE CODE	161118008	COURSE NAME	PEDIATRIC DENTISTRY II (THEORIC)

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Spring	2					COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	Previous courses of 3th class must successfully completed
COURSE DESCRIPTION	Usage of antibiotics and analgesics in child patient, space maintainer and child prosthesis, periodontal, systemic and genetic diseases in children, dental treatments of handicapped children and dental erosion.
COURSE OBJECTIVES	The course aims to get information about the usage of medical drugs in children, space maintainer and child prosthesis applications, sedation and general anesthesia applications, periodontal diseases, systemic diseases, genetic diseases, dental approach of handicapped children, dental erosion and to gain the ability to diagnose and treatment.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The dental students learn about the correct usage of antibiotics and analgesics in children, sedation and general anesthesia applications, periodontal, systemic and genetic diseases, dental approach of handicapped children, space maintainer and prosthesis applications, and can apply for dental treatment in children.
COURSE OUTCOMES	Be able to describe the situation to be aware of medical drug in child patients Be able to list the indications of antibiotic and analgesics in child patients Be able to describe the use of a drug in an appropriate dose Be able to describe the developing situation in the early loss of primary teeth Be able to list the type of space maintainers and to describe the indications of space maintainers Be able to list the type of child prosthesis and to describe the indications of child prosthesis

	Be able to evaluate of the need for sedation and general anesthesia in children Be able to describe the indications/contrindications of sedation and general anesthesia Be able to distinguish the normal and diseased gingival/periodontal tissues Be able to classification of the gingival and periodontal disease Be able to diagnose intraoral findings of the gingival and periodontal disease and treatment of the gingival/periodontal diseases Be able to list to systemic, congenital and genetic diseases, to diagnose intraoral findings and to treatment of these diseases Be able to classification of handicapped children Be able to describe the oral and dental health of handicapped children Be able to describe the dental treatment approach of handicapped children
TEXTBOOK	Tortop T, Tulunoğlu Ö. Çocuk Diş Hekimliği Bebeklikten Ergenliğe.4. baskı. Atlas kitapçılık; 2009. Koch G, Poulsen S. Çocuk Dişhekimliğine Klinik yaklaşım. 2nd ed. Medya yayın grubu; 2009. Doğan MC. Engelliler ve Ağız Diş Sağlığı. Akademisyen Kitabevi; 2005. Çolak H. Minimal İnvaziv Diş Hekimliği Diş Çürüklerinin Tedavisi. Quıntessence Yayıncılık; 2013.
OTHER REFERENCES	Thylstrup A, Fejerskov O. Textbook of Clinical Cariology. 2nd ed. Copenhagen, Munksgaard; 1994. Laskaris G. Color Atlas of Oral Diseases in Children and Adolescents.Thieme; 2000. Fejerskov O, Kidd E. Dental Caries: The Disease and Its Clinical Management. 2nd ed. Blackwell, Munksgaard; 2004. Dean JA, Avery DR, Mc Donald RE. Dentistry for the Child and Adolescent. 9th ed. Mosby; 2010. Welbury RR, Duggal MS, Hosey MT. Pediatric Dentistry. 4th ed. Oxford University Press; 2012.
TOOLS AND EQUIPMENTS REQUIRED	The equipments for the computer supported education

COURSE SYLLABUS	
WEEK	**TOPICS**
1	LOCAL ANESTHESIA ADMINISTRATIONS and TOOTH EXTRACTIONS in CHILDREN
2	LOCAL ANESTHESIA ADMINISTRATIONS and TOOTH EXTRACTIONS in CHILDREN
3	ANTIMICROBIAL AGENTS and ANALGESICS in PEDIATRIC DENTISTRY
4	ANTIMICROBIAL AGENTS and ANALGESICS in PEDIATRIC DENTISTRY
5	SEDATION and GENERAL ANESTHESIA APPLICATONS in CHILDREN
6	SEDATION and GENERAL ANESTHESIA APPLICATONS in CHILDREN
7	ORAL and DENTAL HEALTH of HANDICAPPED CHILDREN
8	GINGIVAL and PERIODONTAL DISEASE in CHILDREN
9	GINGIVAL and PERIODONTAL DISEASE in CHILDREN
10	**MID-TERM EXAM**
11	**MID-TERM EXAM**
12	INTRAORAL FINDINGS and DENTAL APPROACH of SYSTEMIC DISEASE in CHILDREN
13	INTRAORAL FINDINGS and DENTAL APPROACH of SYSTEMIC DISEASE in CHILDREN
14	INTRAORAL FINDINGS and DENTAL APPROACH of SYSTEMIC DISEASE in CHILDREN
15	INTRAORAL FINDINGS and DENTAL APPROACH of CONGENITAL and GENETIC DISEASES in CHILDREN
16	INTRAORAL FINDINGS and DENTAL APPROACH of CONGENITAL and GENETIC DISEASES in CHILDREN
17	MOLAR INCISOR HYPOMINERALIZATION in CHILDREN
178	DENTAL EROSION in CHILDREN

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	4

COURSE CODE	161118009	COURSE NAME	Restorative Treatment (theoretical)

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
7-8	1			2	3	COMPULSORY (X) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Treatment of advanced cases, prophylaxis, bleaching in restorative denistry
COURSE OBJECTIVES	To teach advanced restorative methods, prophylaxis and bleaching
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Student passing this course will have know how to treat advanced cases, bleaching and prophylaxis
COURSE OUTCOMES	Student passing this course will have know how to treat advanced cases, bleaching and prophylaxis
TEXTBOOK	1. Theodore Roberson, Harold O. Heymann, and Edward J. Swift "Sturdevants The Art and Science of Operative Dentistry" 2. Ole Fejerskov, Edwina Kidd, "Dental Caries: The Disease and its Clinical Management" 3. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 1: Contemporary Clinical Practice", 4. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 2: Challenges of the Future" 5. Greenwall, Linda. “Bleaching Techniques in Restorative Dentistry An Illustrated Guide.“
OTHER REFERENCES	1. Kenneth J. Anusavice "Phillips Science of Dental Materials" 2. John M. Powers , Ronald L. Sakaguchi, "Craig's Restorative Dental Materials” 3. William J. OBrien, "Dental materials and their selection" 4. Hugh Devlin "Operative Dentistry, A pratical guide to recent innovations" 5. Dayangaç, G.B., "Kompozit rezin restorasyonlar 6. J.B. Summitt, J.W. Robbins, T.J. Hilton, R.S. Schwartz, "Fundamentals of Operative Dentistry" 7. Albers HF. "Tooth-colored restoratives: Principles and techniques”
TOOLS AND EQUIPMENTS REQUIRED	Computer, projector, internet connection

COURSE SYLLABUS	
WEEK	**TOPICS**
11.09.2020	Clinic Rules
18.09.2020	Dentin BondingAgents
25.09.2020	Dental Resin Composites
02.10.2020	Finishing and Polishing of Dental Resin Composites
09.10.2020	Non-carious cervical lesions(Erosions)
16.10.2020	Non-carious cervical lesions(Abrasions)
23.10.2020	Non-carious cervical lesions(Atrisions)
30.10.2020	Non-carious cervical lesions(Abfractions)
6.11.2020	Non-Flouridated Remineralization Materials
9-20.11.2020	Mid Term Exam
27.11.2020 04.12.2020 11.12.2020	Tooth Abnormalities & Their Restorations
11-18- 25.12.2020	Lasers in Dentistry
5-12-19- 26.2.2021 5.3.2021	Dentin hypersensitivity and their diagnosis&treatments
12.3.2021	Deeply Caries Treatment
19.3.2021	Resin Cements
26.3.2021	Individual Proflaxis
2.4.2021	Introduction of Tooth Whitening
05- 16.04.2021	Mid Term Exam
30.4.2021 7-14.5.2021	Tooth discolorations and their treatments-What's the Tooth Whitening
28.5.2021	Microabrasion Techinques
4.6.2021	Resin İnfiltration Tecniques

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.			X
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.			X
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			X
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.			X
7	Consciousness of professional and ethic responsibility			X
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.			X
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	4

COURSE CODE	161117001	COURSE NAME	Oral and Maxillofacial Diseases

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall	2	-	-	2	2	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM	Final Exam	1	50

PREREQUIEITE(S)	There is no recommended additional condition.
COURSE DESCRIPTION	In Oral and Maxillofacial Diseases course, methods of diagnosis and treatment of diseases that can be seen in the maxillofacial region will be explained.
COURSE OBJECTIVES	Diagnosis and treatment methods of oral and maxillofacial diseases will be explained.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	To teach the clinical findings and treatment methods of diseases that can be seen in the maxillofacial region.
COURSE OUTCOMES	In the Oral and Maxillofacial Diseases lesson, students will acquire the ability to recognize oral diseases which are very common in dentistry practice.
TEXTBOOK	Ağız ve Çevre Dokusu Hastalıkları. Prof Dr Şule Yücetaş, Atlas Kitapçılık, 2005, Ankara
OTHER REFERENCES	Ağız Hastalıklarının Tanı ve Tedavisi, Prof. Dr. Meral ÜNÜR, Prof. Dr. Özen DOĞAN ONUR, Quintessence, 2003, İstanbul.
TOOLS AND EQUIPMENTS REQUIRED	There is no equipment required for the lesson.

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Lesion definitions
2	Vaziculobullous Mucosal Diseases
3	Vaziculobullous Mucosal Diseases
4	White Lesions
5	White Lesions
6	Oral Ulcerative Lesions
7	Oral Ulcerative Lesions
8	Red Blue Lesions
9	Verrucal Papillary Lesions
10	**MIDTERM EXAM WEEK**
11	**MIDTERM EXAM WEEK**
12	Granulomatous Diseases
13	Precancerous Lesions
14	Precancerous Lesions
15	Malignant Lesions
16	Malignant Lesions
17	**FINAL EXAM WEEK**

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**X**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**X**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		**X**	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		**X**	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		**X**	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		**X**	
7	Consciousness of professional and ethic responsibility		**X**	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		**X**	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	4

COURSE CODE	161118001	COURSE NAME	Oral implantology

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
SPRING	2			2	2	COMPULSORY (x) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		x	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Dental implantology definition provided insight and information about the acquisition by conducting
COURSE OBJECTIVES	Artificial tooth roots inserted into the jaw bone and made of suitable material in order to restore the function and aesthetics of the missing teeth to teach so-called indications and construction phases of the implant.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Presenting the indication and stage production of dental implants and the degree is expected to have knowledge about oral implantology.
COURSE OUTCOMES	1-İmplant bone and soft tissue will analyze the relationship. 2-Define implant types and indications area. 3- Be able to pass on information about implants and surgery. 4- Classify theoretical knowledge about implant abutment and implant supported dentures. 5- Fixed implant, allows a total or overdenture prosthesis.
TEXTBOOK	15- Dental İmplant Protezler. Carl E. Misch Günümüz Diş Hekimliğinde İmplantoloji
OTHER REFERENCES	12- İmplant Üstü Restorasyonlar. Çev: Prof.Dr.İ.Bülent Şermet, Dr.Esma Kürklü İmplant Destekli Overdenture. Çev: Doç.Dr.Mehmet Ali Kılıçarslan

COURSE SYLLABUS	
WEEK	**TOPICS**
1	What are implants? The definition of implant parts
2	Biomechanics of Dental Implants
3	The patient to be evaluated Evaluation of anatomical structures
4	Bone Density: Effect on Surgical Approach and Healing Tooth extraction, socket grafting with Barrier Membrane and Bone Regeneration
5	Anterior Region Implant Surgery: Implant Placement
6	**MID-TERM EXAM**
7	**MID-TERM EXAM**
8	Posterior Region Implant Surgery: Implant Placement
9	Maxillary Sinus Anatomy, pathology and Graft Surgery
10	Loading protocols in implant prosthesis
11	Implant supported fixed prostheses
12	Implant supported fixed prostheses II
13	Implant-supported removable prosthesis I
14	Evaluation of periodontal tissue What is osseointegration?
15	Implantology-soft tissue compatibility Switches for Bone Grafting and Bone Graft Materials
16	Periimplantitis Maintenance of Dental Implants: Implants Health Quality Scale

1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**x**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**x**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	**x**		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	**x**		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		**x**	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	**x**		
7	Consciousness of professional and ethic responsibility		**x**	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	**x**		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	4

COURSE CODE	161118018	COURSE NAME	ORTHODONTICS INTERNSHIP I

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
FALL		11		2	2	COMPULSORY (x) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
MID-TERM	Evaluation Type	Quantity	%
	1st Mid-Term		
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	100

PREREQUIEITE(S)	
COURSE DESCRIPTION	Planning of basic orthodontic appliances, bending of the orthodontic clasps and construction of removable appliances.
COURSE OBJECTIVES	Identifiying and leraning of basic orthodontic appliance construction.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Distinguish the patient with orthodontic disorders and construct the basic removable appliance.
COURSE OUTCOMES	To have knowledge about the clinical treatment methods used in orthodontics. To know indications of the basic orthodontic appliance and apply the laboratory procedures.
TEXTBOOK	William R. Proffit, Henry W. Fields, David M. Sarver. Contemporary Orthodontics, Mosby, St. Louis, 2007.
OTHER REFERENCES	Nakajima E. Manual of wire bending techniques, Quintessence,2010.
TOOLS AND EQUIPMENTS REQUIRED	Wire bending pliers (Bird peak and cutter), orthodontic wires(0,5 , 0,7, 0,9)

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Orthodontic clinic scheme and orthodontic materials.
2	Geometrical bending
3	C clasp bending
4	Tear drop clasp bending
5	Tear drop clasp bending
	2. week
6	Adams clasp bending
7	Adams clasp bending
8	Finger spring bending
9	Z springbending
10	Fixed space maintainer application
	3. week
11	Vestibular arch bending
12	Vestibular arch bending
13	Removable space maintainer application
14	Removable space maintainer application
15	Active removable appliance application
	4. week
16	Active removable appliance application
17	Active removable appliance application
18	Final exam

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			X
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.			X
7	Consciousness of professional and ethic responsibility		X	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		X	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	4

COURSE CODE	161118019	COURSE NAME	Clinical Restorative Dentistry I

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall/Spring		20		2	2	COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (Clinical works)	1	50
FINAL EXAM		1	50

PREREQUIEITE(S)	-
COURSE DESCRIPTION	Restorative dentistry “Clinical practice”
COURSE OBJECTIVES	This program aims to provide students with knowledge, understanding and skills in the scientific field of restorative dentistry.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	For each dentistry student, independent thinking and the ability to investigate their original work in the field to plan, manage and finalize the skills, attitudes and behavior and provide information and skills for serving society.
COURSE OUTCOMES	Students who have successfully completed this course will be able to teeth of patients.
TEXTBOOK	1. Theodore Roberson, Harold O. Heymann, and Edward J. Swift "Sturdevants The Art and Science of Operative Dentistry"

	2. Ole Fejerskov, Edwina Kidd, "Dental Caries: The Disease and its Clinical Management" 3. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 1: Contemporary Clinical Practice", 4. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 2: Challenges of the Future" 5. Greenwall, Linda. "Bleaching Techniques in Restorative Dentistry An Illustrated Guide."
OTHER REFERENCES	1. Kenneth J. Anusavice "Phillips Science of Dental Materials" 2. John M. Powers , Ronald L. Sakaguchi, "Craig's Restorative Dental Materials" 3. William J. OBrien, "Dental materials and their selection" 4. Hugh Devlin "Operative Dentistry, A pratical guide to recent innovations" 5. Dayangaç, G.B., "Kompozit rezin restorasyonlar 6. J.B. Summitt, J.W. Robbins, T.J. Hilton, R.S. Schwartz, "Fundamentals of Operative Dentistry" 7. Albers HF. "Tooth-colored restoratives: Principles and techniques"
TOOLS AND EQUIPMENTS REQUIRED	List of clinical equipments declared interns before semester on official website of Dentistry faculty (http://dis.ogu.edu.tr/)

OURSE SYLLABUS	
WEEKS	**TOPICS**
1. 21-25 SEP	4. CLINICAL PRACTICE
2. 28 SEP-02 OCT	4. CLINICAL PRACTICE
3. 05-09 OCT	4. CLINICAL PRACTICE
4. 12-16OCT	4. CLINICAL PRACTICE
5. 19-23 OCT	4. CLINICAL PRACTICE
6. 26-30 OCT	4. CLINICAL PRACTICE
7. 02-06 NOV	4. CLINICAL PRACTICE
8. 09-13 NOV	4. CLINICAL PRACTICE
9. 16-20 NOV	4. CLINICAL PRACTICE
10. 23-27 NOV	4. CLINICAL PRACTICE
11. 30 NOV- 04 DEC	4. CLINICAL PRACTICE
12. 07-11 DEC	4. CLINICAL PRACTICE
13.	4. CLINICAL PRACTICE

14-18 DEC	
14. 21-25 DEC	4. CLINICAL PRACTICE
15. 28-31 DEC	4. CLINICAL PRACTICE
16. 11-15 JAN 2021	4. CLINICAL PRACTICE
17. 18-22 JAN 2021	4. CLINICAL PRACTICE
18. 25-29 JAN 2021	4. CLINICAL PRACTICE
19. 01-05 FEB 2021	4. CLINICAL PRACTICE
20. 08-12 FEB 2021	4. CLINICAL PRACTICE
21. 15-19 FEB 2021	4. CLINICAL PRACTICE
22. 22-26 FEB 2021	4. CLINICAL PRACTICE
23. 01-05 MAR 2021	4. CLINICAL PRACTICE
24. 08-12 MAR 2021	4. CLINICAL PRACTICE
25. 15-19 MAR 2021	4. CLINICAL PRACTICE
26. 22-26 MAR 2021	4. CLINICAL PRACTICE
27. 29 MAR- 02 APR	4. CLINICAL PRACTICE
28. 05-09 APR	4. CLINICAL PRACTICE
29. 12-16 APR	4. CLINICAL PRACTICE
30. 19-23 APR	4. CLINICAL PRACTICE
31. 26-30 APR	4. CLINICAL PRACTICE
32. 03-07 MAY	4. CLINICAL PRACTICE
33. 10-14 MAY	4. CLINICAL PRACTICE
34. 17-21 MAY	4. CLINICAL PRACTICE
35. 24-28 MAY	4. CLINICAL PRACTICE
36. 31 MAY- 04 JUN	4. CLINICAL PRACTICE
37. 07-11 JUN	4. CLINICAL PRACTICE
38. 14-18 JUN	4. CLINICAL PRACTICE

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	X		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			X
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility		X	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		X	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGU FACULTY OF DENTISTRY
COURSE INFORMATION FORM

CLASS	4

COURSE CODE	161118020	COURSE NAME	PROSTHODONTICS INTERNSHIP I

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall-Spring		20		4	5	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Clinical Science	Social Science	Elective
	x		

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM			
	Report		
	Others (……)		
FINAL EXAM		1	100

PREREQUIEITE(S)	
COURSE DESCRIPTION	Teaching Oral cavity, teeth and dental structures and missing teeth as prosthetic rehabilitation.
COURSE OBJECTIVES	Besides learning the morphological characteristics of the teeth and oral cavity, general information regarding the implementation of prosthetic teeth provide operations on patients
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Understanding the factors in the anatomical and prosthetic rehabilitation of dental prostheses without damaging the prosthetic patient

COURSE OUTCOMES	The completion of the single missing teeth in prosthodontics need multiple missing teeth in either fixed or removable denture with what should happen on that teaches patients to be rehabilitated Hand tools and materials used in the prosthesis laboratory stage with theoretical and technical characteristics, as well as will be learned by practice of the manipulation.
TEXTBOOK	1. Prof Dr Senih Çalıkkocaoğlu Bölümlü Protezler . 2. Prof Dr Senih Çalıkkocaoğlu Tam Protezler 3. Herbert T. Shillingburg (Author), David A. Sather Jr. (Author), Edwin L. Wilson Jr. (AuthorFundamentals of Fixed Prosthodontics 4th Edition
OTHER REFERENCES	1. Contemporary Fixed Prosthodontics by Stephen F. Rosenstiel BDS MSD
TOOLS AND EQUIPMENTS REQUIRED	THEORETİCAL: Computer aided projection, whiteboards PRACTICE: Aerator and micromotor handpiece, which according to various diameters and lengths drills plenty, spatula, the cook, crochet pliers

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Clinical Practice
2	Clinical Practice
3	Clinical Practice
4	Clinical Practice
5	Clinical Practice
7	Clinical Practice
8	Clinical Practice
9	Clinical Practice
10	Clinical Practice
11	Clinical Practice
12	Clinical Practice
13	Clinical Practice
14	Clinical Practice
15	Clinical Practice
16	Clinical Practice
17	Clinical Practice
18	Clinical Practice
19	Clinical Practice
20	Clinical Practice
21	Clinical Practice
22	Clinical Practice

23	Clinical Practice
24	Clinical Practice
25	Clinical Practice
26	Clinical Practice
28	Clinical Practice
29	Clinical Practice
30	Clinical Practice
31	Clinical Practice
32	Clinical Practice
33	Clinical Practice
34	Clinical Practice
35	Clinical Practice
36	Clinical Practice

1	Understanding the basic concepts of dental and learning skills	**x**		
2	To benefit from learning these basic materials used in dental prostheses and especially about gaining the ability to process them	**x**		
3	Knowing the skills to carry them prothesis general morphology of the teeth	**x**		
4	The ability to effectively utilize the tools and materials used in the prosthesis laboratory	**x**		
5	The general framework of the dental profession; rights, powers and responsibilities		**x**	
6	Self-study, disciplinary and interdisciplinary teamwork ability	**x**		
7	Turkish oral and written ability to use body language and vocational skills to communicate effectively in practice		**x**	
8	Awareness of the need for lifelong learning; Access to knowledge, science and technology developments in the monitoring and continuous self-renewal ability	**x**		
9	Professional and ethical responsibility		**x**	
10	About its effects on health and the environment on a global and societal dimensions of the dental practice; about national and international regulations and standards and awareness of the legal implications of medical practice		**x**	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	4

COURSE CODE	161118021	COURSE NAME	Endodontics Clinical Practice (I)

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall-Spring	-	72 hours/ 18 week-days	-			COMPULSORY (x) ELECTIVE ( )	TR/EN

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	100

PREREQUIEITE(S)	Previous courses of 3rd year must be successfully completed
COURSE DESCRIPTION	The basic clinical practice of Endodontics
COURSE OBJECTIVES	The intern practitioner should be able to know diagnosis, treatment and case management in the presence of essential pulpal diseases.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	To educated dentist about the diagnose, treatment and management in the presence of endodontic disease.
COURSE OUTCOMES	At the end of this course, the student should be able to have knowledge about -Vital endodontic therapies in whole dentition

	-to perform Single &Multiple visit RCT in anterior and premolar teeth - Case discussion
Textbook	1.Selmin Kaan Aşçı, Endodonti, 2014
OTHER REFERENCES	1.Tayfun Alaçam, Endodonti, 2000 2.Mehmet Kemal Çalışkan, Endodontide Tanı ve Tedaviler, 2006 3.Stephen Cohen, Kenneth M Hargreaves, Pathways of the Pulp, Ninth Edition, 2009 4. Arnaldo Castellucci, Endodontics; 2005 5.Johnson William T. Color Atlas of Endodontics 6. Ingle Bakland Baumgartner, Ingle's Endodontics, fifth edition, 2002
TOOLS AND EQUIPMENTS REQUIRED	an updated equipment list is released before the mid-term.

Course Syllabus

DAY	Clinical Practice
1	Primary Devital Root Canal Treatment
2	Primary Devital Root Canal Treatment
3	Primary Devital Root Canal Treatment
4	Case presentation/reviewing & Final Exam

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	X		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	X		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	4

COURSE CODE	161117001	COURSE NAME	DENTOMAXILLOFACIAL RADIOLOGY- INTERNSHIP-1

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
ALL YEAR	2	-	-			COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
-	-	X	-

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	-	-
	2nd Mid-Term	-	-
	Quiz	-	-
	Homework	-	-
	Project	-	-
	Report	-	-
	Others (…Clinical Practice Order……)	1	10
FINAL EXAM OF CLINICAL PRACTICE		1	90

PREREQUIEITE(S)	Have to be successful in third class
COURSE DESCRIPTION	Anamnesis and radiology
COURSE OBJECTIVES	The aim of this course is to provide the student to use his theorical knowledge of examination and radiological evaluation in the way of clical practice.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The student takes anamnesis, examine the patient and makes the treatment plan in the view of radiological evaluation.
COURSE OUTCOMES	Be able to describe complaint and the anamnesis of complaint Be able to list the questions of medical anamnesis Be able to recognize the drugs Be able to differentiate the abnormal properties of anatomical structures be able to take radiographs and interprete them Be able to describe treatment plan
TEXTBOOK	1-Bilge OM, Akgül HM, Dağıstan S. Diş Hekimliğinde Muayene ve Oral Diagnoz, Atatürk Üniversitesi Yayınları, Eser Ofset, 1. Baskı, Erzurum 2012. 2- Abubekir Harorlı (ed). Ağız, Diş ve Çene Radyolojisi, Nobel Tıp Kitabevi, İstanbul 2014.

	3-Gawkrodger DJ(ed). Human Disease for Dentists, Blackwell Munksgaard, 2004.
OTHER REFERENCES	4-White SC, Pharoah MJ. Oral Radiology Principles and Interpretation, Mosby Elsevier, 6th ed., 2009. 5- Bricker SL, Langlais RP, Miller CS. Oral Diagnosis, Oral Medicine and Treatment Planning, Lea & Febiger, 2nd ed., USA 1994. 6- Whaites E. Essentials of Dental Radiography and Radiology, Churchill Livingstone Elsevier, 4th ed., 2007. 7- Scully C. Oral and Maxillofacial Medicine The Basis of Diagnosis and Treatment, Churchill Livingstone Elsevier, 2nd ed., China 2008. 8- Scully C. Medical Problems in Dentistry, Churchill Livingstone Elsevier, 6th ed., China 2010. 9- Current articles
TOOLS AND EQUIPMENTS REQUIRED	Dental unit, intra and extraoral dental radiographic machine, pulp vitality tester, anamnesis cards, computer, mirror, explorer, holding instrument, cotton, gloves, mask

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Give oral and written information to the student about the study design of practice/ Clinical practice
2	Clinical practice
3	Clinical practice
4	Clinical practice
5	Clinical practice
6	Clinical practice
7	Clinical practice
8	Clinical practice
9	Clinical practice
10	Clinical practice
11	Clinical practice
12	Clinical practice
13	Clinical practice
14	Clinical practice
15	Clinical practice
16	Clinical practice
17	Clinical practice
18	Final Exam of Clinical Practice

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	X		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	X		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	4

COURSE CODE	161118023	COURSE NAME	Oral and Maxillofacial Surgery Practice I

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall/Spring	-	22	-	2	2	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY

Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	100

PREREQUIEITE(S)	There is no recommended additional condition.
COURSE DESCRIPTION	This course includes diagnostic and treatment methods of cystic formations, salivary gland and maxillary sinus diseases seen in the maxillofacial region.
COURSE OBJECTIVES	To provide the knowledge and skills to evaluate and manage diagnostic and treatment methods.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	In Oral and Maxillofacial Surgery II course, students will be given the ability to diagnose the pathological conditions that they may encounter in maxillofacial region examination.
COURSE OUTCOMES	All students will have the level of knowledge to evaluate the maxillofacial region pathologies at the end of the course.
TEXTBOOK	Ağız, Diş, Çene Hastalıkları ve Cerrahisi. Mustafa Türker, Şule Yücetaş. Atlas Kitapçılık, 1997, Ankara
OTHER REFERENCES	Current Therapy in Oral and Maxillofacial Surgery, Shahrokh C. Bagheri, R.Bryan Bell, Elsevier, 2012, United States.
TOOLS AND EQUIPMENTS REQUIRED	There is no equipment required for the course.

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Single Rooted Tooth Extraction Practice
2	Single Rooted Tooth Extraction Practice
3	Single Rooted Tooth Extraction Practice
4	Single Rooted Tooth Extraction Practice
5	Single Rooted Tooth Extraction Practice
6	Single Rooted Tooth Extraction Practice
7	Single Rooted Tooth Extraction Practice
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30	Single Rooted Tooth Extraction Practice

31	Single Rooted Tooth Extraction Practice
32	Single Rooted Tooth Extraction Practice
33	Single Rooted Tooth Extraction Practice
34	Single Rooted Tooth Extraction Practice
35	Single Rooted Tooth Extraction Practice
36	Single Rooted Tooth Extraction Practice

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	x		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	x		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	x		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		x	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		x	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		x	
7	Consciousness of professional and ethic responsibility		x	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		x	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	4

COURSE CODE	161118024	COURSE NAME	PEDIATRIC DENTISTRY PRACTICE I

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall-Spring		20		2	2	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	None
COURSE DESCRIPTION	The approach to pediatric patients, clinical and radiographical examination in children, restorative materials in pediatric dentistry, preventive and restorative treatments in the primary and immature permanent teeth.
COURSE OBJECTIVES	The course aims to get information about the restorative materials in pediatric dentistry and to gain the ability to apply the approach to pediatric patients and management of dental anxiety, the clinical and radiographical examination methods, and the preventive and restorative treatments in the primary and immature permanent teeth in pediatric clinic.

ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The dental students can diagnose as a results of the clinical and radiographical examination and apply the preventive and restorative treatments in the primary and immature permanent teeth
COURSE OUTCOMES	Be able to knowledge about the differences of the approach to pediatric patients and to perform the behavior management methods Be able to perform the intraoral examinations in children Be able to knowledge about the clinical importance and eruption of the primary and permanent teeth Be able to distinguish the primary and permanent teeth and to apply the suitable treatment methods as accurate diagnoses by age groups Be able to knowledge about the caries formation and progression in children Be able to knowledge about the methods of caries prevention and to perform the methods of caries prevention Be able to list the restorative materials used primary and immature permanent teeth Be able to apply the restorative treatments in the primary and immature permanent teeth
TEXTBOOK	Tortop T, Tulunoğlu Ö. Çocuk Diş Hekimliği Bebeklikten Ergenliğe. 4.baskı. Atlas Kitapçılık; 2009. Koch G, Poulsen S. Çocuk Dişhekimliğine Klinik yaklaşım. 2.baskı. Medya yayın grubu; 2009.
OTHER REFERENCES	Mathewson RJ, Primosch, RE. Fundamentals of Pediatric Dentistry.3rd ed. Quintessence Publishing; 1995. Laskaris G. Color Atlas of Oral Diseases in Children and Adolescent. Thieme; 2000. Dean JA, Avery DR, Mc Donald RE. Dentistry for the Child and Adolescent. 9th ed. Mosby; 2010. Cameron AC, Widmer RP. Handbook of Pediatric Dentistry Mosby;2013 Welbury RR, Duggal MS, Hosey MT. Pediatric Dentistry. 4th ed. Oxford University Press; 2012. Casamassimo PS, Henry W. Fields Pediatric Dentistry: Infancy through Adolescence. Saunders; 2012.
TOOLS AND EQUIPMENTS REQUIRED	Restorative materials in pediatric dentistry, clinical materials, pediatric patient

COURSE SYLLABUS	
WEEK	**TOPICS**
1-38	Diagnose and treatment procedures in pediatric dentistry will be applied. 1. To be able to get general and complaint anamnesis (Pediatric) 2. To be able to evaluate mental status (Pediatric) 3. Extraoral examination (Pediatric) 4. Intraoral examination (Pediatric) 5. TMJ examination (Pediatric) 6. Evaluation of panoramic radiographs (Pediatric) 7. Periapical, bitewing, occlusal radiography shooting and evaluation (Pediatric) 8. Assessment of oral care and giving oral hygiene education (Pediatric) 9. The approach to pediatric patients and management of dental anxiety 10. Glass ionomer restoration 11. Hybrid ionomer (compomer) restoration 12. Fissure sealant application 13. Preventive resin restoration application 14. Application of fluoride gel and varnish

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	4

COURSE CODE	161118025	COURSE NAME	PERIODONTOLOGY INTERNSHIP (CLINICAL PRACTICE)

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall- Spring		x				COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		x	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (practical)	1	Practical threshold completion It is the criteria for taking the internship exam.
FINAL EXAM		1	100

PREREQUIEITE(S)	NONE
COURSE DESCRIPTION	Anatomical and morphological features of the periodontium Classification of periodontal diseases, Etiology, epidemiology and clinical determination of periodontal diseases Application of phase perodontal treatment in clinic

COURSE OBJECTIVES	To teach the morphological and histological structure of periodontal tissues in detail, to distinguish healthy and diseased tissues, to teach local and systemic factors and pathogenesis that play a role in the etiology of periodontal diseases, to define and interpret the microbiological, immunological and genetic characteristics of periodontal diseases, to diagnose and treat periodontal disease, theoretical methods. To teach the epidemiology of periodontal diseases, gingival defense mechanisms, and the classification of periodontal diseases. Practically phase I is learning about periodontal therapy.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Comprehending various index systems of the preclinical student and using this information in the diagnosis of periodontal diseases. Examination methods for the diagnosis of periodontal diseases, making a diagnosis based on these methods and making a treatment plan in line with this diagnosis. Classification of periodontal diseases. Learns the diagnosis and treatment of periodontal health and gingival diseases, the stages and degrees of periodontitis, theoretically the treatment of gingival enlargement and gingival recession. Practically phase I is learning about periodontal therapy.
COURSE OUTCOMES	• Know the anatomy of periodontal tissues. • Know the etiology of periodontal diseases. • Know the effects of local and systemic factors on the occurrence of periodontal diseases. • Know immunity and inflammation. • Know gingivitis and periodontitis. • Know gingival growth. • Know gingival recession and treatment options. • Phase I should be able to apply periodontal treatment.
TEXTBOOK	• Newman MG., Takei HH., Klokkevold PR., Carranza FA., 2006; Carranza's Clinical Periodontology, Tenth edition, WB Saunders Company . • Lindhe J., Lang NP., Karring T., 2008; Clinical Periodontology and Implant Dentistry, 5th Edition. Wiley-Blackwell. • Rateischak KH, Wolf HF. Çeviri Editörü: Prof. Dr. Gürhan Çağlayan Çeviri: Yrd. Doç. Dr. Hasan Hatipoğlu. 2007, Periodontoloji, 3. baskı, Palme Yayıncılık Ankara. • Elsevier Saunders Co, Philedelphia, USA. Periodontoloji, Ataoğlu T, Gürsel M, 3.baskı, 1999, Damla Ofset AŞ. Konya, Türkiye. • Periodontoloji ve İmplantoloji I-II Editörü: Prof. Dr. Gürhan Çağlayan 1. baskı, Palme Yayıncılık, Ankara
OTHER REFERENCES	• Periodontology 2000 • Journal of Periodontology • Journal of Clinical Periodontology • Journal of Periodontal Research
TOOLS AND EQUIPMENTS REQUIRED	Note, Slideshow, Periodontal hand tools, equipment needed in Phase I periodontal treatment

COURSE SYLLABUS	
WEEK	**TOPICS**
1	PHASE I PERIODONTAL TREATMENT
2	PHASE I PERIODONTAL TREATMENT
3	PHASE I PERIODONTAL TREATMENT
4	PHASE I PERIODONTAL TREATMENT
5	PHASE I PERIODONTAL TREATMENT
6	PHASE I PERIODONTAL TREATMENT
7	PHASE I PERIODONTAL TREATMENT
8	PHASE I PERIODONTAL TREATMENT
9	PHASE I PERIODONTAL TREATMENT
10	PHASE I PERIODONTAL TREATMENT
11	PHASE I PERIODONTAL TREATMENT
12	PHASE I PERIODONTAL TREATMENT
13	PHASE I PERIODONTAL TREATMENT
14	PHASE I PERIODONTAL TREATMENT
15	PHASE I PERIODONTAL TREATMENT
1	PHASE I PERIODONTAL TREATMENT
2	PHASE I PERIODONTAL TREATMENT
3	PHASE I PERIODONTAL TREATMENT
4	PHASE I PERIODONTAL TREATMENT
5	PHASE I PERIODONTAL TREATMENT
6	PHASE I PERIODONTAL TREATMENT
7	PHASE I PERIODONTAL TREATMENT
8	PHASE I PERIODONTAL TREATMENT
9	PHASE I PERIODONTAL TREATMENT
10	PHASE I PERIODONTAL TREATMENT
11	PHASE I PERIODONTAL TREATMENT
12	PHASE I PERIODONTAL TREATMENT
13	PHASE I PERIODONTAL TREATMENT
14	PHASE I PERIODONTAL TREATMENT
15	PHASE I PERIODONTAL TREATMENT

16	PHASE I PERIODONTAL TREATMENT
17	PHASE I PERIODONTAL TREATMENT
18	PHASE I PERIODONTAL TREATMENT
19	PHASE I PERIODONTAL TREATMENT
20	PHASE I PERIODONTAL TREATMENT
21	PHASE I PERIODONTAL TREATMENT
22	PHASE I PERIODONTAL TREATMENT
23	PHASE I PERIODONTAL TREATMENT

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	5

COURSE CODE	161120001	COURSE NAME	Oral and Maxillofacial Surgery III

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall/Spring	2			2	5	COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	
COURSE OBJECTIVES	
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	
COURSE OUTCOMES	
TEXTBOOK	Ağız, Diş, Çene Hastalıkları ve Cerrahisi. Mustafa Türker, Şule Yücetaş. Atlas Kitapçılık, 1997, Ankara
OTHER REFERENCES	
TOOLS AND EQUIPMENTS REQUIRED	Laptop and projection machine.

Course Syllabus	
Week	**Topic**
1	Tumor-like Lesions of the Jaws
2	Tumor-like Lesions of the Jaws
3	Beign Odontogenic Tumors
4	Beign Odontogenic Tumors
5	Malign Odontogenic Tumors
6	Benign Non-odontogenic Tumors of the Jaw
7	Benign Non-odontogenic Tumors of the Jaw
8	Malign Non-odontogenic Tumors of the Jaw
9	Malign Non-odontogenic Tumors of the Jaw
10	Midterm exam
11	Midterm exam
12	Traumatology: Introduction
13	Fractures of the Jaw, Clinical and Radiologic Examination
14	Fractures of the Mandible: Classification
15	Fractures of the Mandible
16	Treatment Of Mandible Fractures
17	Final exam
18	Maxilla Fracture types and classification
19	Treatment of Maxilla Fractures
20	Treatment of Maxilla Fractures
21	Dentofacial Deformities: Introduction
22	Ortognathic Surgery: Introduction
23	Orthognathic surgery for the mandible
24	Orthognathic surgery for the mandible
25	Orthognathic surgery for the mandible
26	Orthognathic surgery for the maxilla
27	Orthognathic surgery for the maxilla
28	Midterm exam
29	Midterm exam
30	Orthognathic surgery for the maxilla

31	Orthognathic surgery complications
32	Orthognathic surgery complications
33	Cleft Lip and Palate and Treatment
34	Cleft Lip and Palate and Treatment
35	Final exam
36	Final exam

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	x		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	x		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	x		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		x	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		x	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		x	
7	Consciousness of professional and ethic responsibility		x	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		x	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry Course Information Form

CLASS	5

COURSE CODE	161120002	COURSE NAME	SEMINARY

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall/Spring	1			2	4	COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY

Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (Clinical works)		
FINAL EXAM	PROJECT/HOMEWORK		100

PREREQUIEITE(S)	-
COURSE DESCRIPTION	SEMINARY
COURSE OBJECTIVES	This program aims to provide students with knowledge, understanding and skills in the scientific field of academic life .
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	For each dentistry student, independent thinking and the ability to investigate their original work in the field to plan, manage and finalize the skills, attitudes and behavior and provide information and skills for serving society.
COURSE OUTCOMES	Students who have successfully completed this course will be able to learn of basic academic presentation technique
TEXTBOOK	
OTHER REFERENCES	
TOOLS AND EQUIPMENTS REQUIRED	List of clinical equipments declared interns before semester on official website of Dentistry faculty (http://dis.ogu.edu.tr/)

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Seminary Practice
2	Seminary Practice
3	Seminary Practice
4	Seminary Practice
5	Seminary Practice
6	Seminary Practice
7	Seminary Practice
8	Seminary Practice
9	Seminary Practice
10	Seminary Practice
11	Seminary Practice
12	Seminary Practice
13	Seminary Practice
14	Seminary Practice
15	Seminary Practice
16	Seminary Practice
17	Seminary Practice
18	Seminary Practice
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22	Seminary Practice
23	Seminary Practice
24	Seminary Practice
25	Seminary Practice
26	Seminary Practice
27	Seminary Practice
28	Seminary Practice
29	Seminary Practice
30	Seminary Practice
31	Seminary Practice
32	Seminary Practice
33	Seminary Practice
34	Seminary Practice
35	Seminary Practice
36	Seminary Practice

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	X		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			X
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility		X	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		X	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	5

COURSE CODE	161120004	COURSE NAME	Maxillofacial Prostheses

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
10	1			1	4	COMPULSORY (x) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		x	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		
	2nd Mid-Term	1	50
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Classification of maxillofacial prosthetics, approach and treatment of learning
COURSE OBJECTIVES	Will be administered to patients with maxillofacial defects is to learn basic information about the prosthesis, is to grasp the basic principles of treatment planning and construction methods
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	In this lesson students will be learn;

	1. Maksillofacial construction techniques to design the prosthesis effectively and be able to complete successfully the prosthetic treatment. 1.1. Basic information about the construction of maxillofacial prosthetics. 1.2. It can classify the different types of maxillofacial prosthetics. 1.3. Maxillofacial defects classification. 1.4. Learn maxillofacial prostheses of various types used in dentistry. 1.5. Materials used in maxillofacial prosthesis.
COURSE OUTCOMES	Classification of maxillofacial prosthetics, approach and treatment of learning
TEXTBOOK	Clinical Maxillofacial Prosthetics. Thomas D. Taylor, Quintessence Publishing, 2000, ISBN-13: 978-0867153910
OTHER REFERENCES	Branemark PI. Complex Cleft Palate and Craniomaxillofacial Defects, Quintessence Publishing Co. Inc. 1999. Beumer J. Curtis TA. Firtell DN. Maxillofacial rehabilitation CV Mosby Company ST Louis Toronto London 1979
TOOLS AND EQUIPMENTS REQUIRED	Computer

COURSE SYLLABUS	
WEEK	**TOPICS**
22.02.2021	Classification of maxillofacial defects
01.03.2021	Indications of maxillofacial prostheses
08.03.2021	Maxillary resection in patients with post-operative anatomy / Aramany Classification
15.03.2021	Resection obturator, treatment obturators and permanently obturators
22.03.2021	Impression methods of resection obturators
29.03.2021	Mandibular prosthetic treatment in resected patients
05.04.2021	Maxillary and mandibular implant planning and design of resection cases
12.04.2021	Implant supported obturators
19.04.2021	Epitheses in retention and stability
10.05.2021	The nose epithesis
17.05.2021	The ear epithesis
24.05.2021	The Eye epitheses
31.06.2021	Cleft lip and palate
07.06.2021	Case Discussion (cleft lip and palate)
14.06.2021	Discussion of cases (maxillary and mandibular resection cases)
	Semester final exam

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	5

COURSE CODE	16119001	COURSE NAME	GENERAL SURGERY

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
1	1			1	2	COMPULSORY (X) ELECTIVE ( )	

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM			50

PREREQUIEITE(S)	
COURSE DESCRIPTION	It contains general information from the General Surgery course, which is one of the fundamental subjects related to medicine, that the 5th term students of the Faculty of Dentistry can use in their professional life.
COURSE OBJECTIVES	It is important for physicians who will graduate as dentists to learn basic surgical subjects while practicing their profession. Therefore, the most appropriate information for Dentistry from the field of General Surgery will be shared.

ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	In the General Surgery course, basic surgery will be taught to the student and will provide a versatile view of the problems that the physicians may encounter in their future professional life.
COURSE OUTCOMES	Lecture notes
TEXTBOOK	Schwartz Principles of Surgery , Sabiston Textbook of Surgery
OTHER REFERENCES	International Guidelines (NCCN etc.)
TOOLS AND EQUIPMENTS REQUIRED	

COURSE SYLLABUS	
WEEK	**TOPICS**
1	28.09.2022 Surgical History and Ethics
2	05.10.2022 Use of Surgical Techniques and Materials
3	12.10.2022 Hemostasis, Surgical Bleeding and Transfusion
4	19.10.2022 Surgical Infections and Prophylaxis
5	26.10.2022 Wound Healing
6	02.11.2022 Burn
7	09.11.2022 Trauma
8	16.11.2022 Shock
9	23.11.2022 Associated Problems in Surgery
10	28.11- 02.12.2022 MIDTERM EXAM WEEK
11	05-09.12.2022 MIDTERM EXAM WEEK
12	14.12.2022 Head and Neck Anatomy (1)
13	21.12.2022 Head and Neck Anatomy (2)
14	28.12.2022 Head and Neck Diseases (1)
15	04.01.2023 Head and Neck Diseases (2)
16	11.01.2023 Upper Gastrointestinal System Anatomy
17	16-20.01.2023 FINAL EXAM WEEK

NO	PROGRAM OUTCOMES	3	2	1
1	Ability to understand and learn basic surgical concepts	x		
2	Learning the history of surgery and ethical responsibility awareness	x		
3	Ability to understand and manage basic surgical problems	x		
4	Ability to recognize and understand head and neck anatomy and diseases	x		
5	Ability to understand upper gastrointestinal tract anatomy	x		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

SEMESTER	5

COURSE CODE	16119002	COURSE NAME	İnternal Medicine, Hematology

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall	1	-	-	1	2	COMPULSORY (x) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM			50

PREREQUIEITE(S)	The lessons include general information about medical practices and internal medicine related occupational life.
COURSE DESCRIPTION	Students who graduate as a dentist should have information about the medical history of the patients, the drugs they use and the possible side effects, the things they should pay attention to the physical examination is important when practicing their profession.
COURSE OBJECTIVES	Gaining the necessary knowledge skills related to internal diseases in the evaluation of patients
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	
COURSE OUTCOMES	To have general knowledge of internal medicine
TEXTBOOK	Harrison's Principles of Internal Medicine
OTHER REFERENCES	Guidebook, Uptodate, Current medical diagnosis and treatment
TOOLS AND EQUIPMENTS REQUIRED	Computer and power point program

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Independent Learning
2	Physician, patient assessment principles and basic laboratory tests and evaluation **Dr. Öğr. Üyesi. Melisa Şahin Tekin**
3	Independent Learning
4	Oral and dental health in antiplatelet therapy receiving patients **Öğr. Gör. Dr. Filiz Yavaşoğlu**
5	Oral findings in hematologic diseases and immune deficient patients **Öğr. Gör. Dr. Filiz Yavaşoğlu**
6	Chronic Diseases and Oral and Dental Health in Internal Diseases **Dr. Öğr. Üyesi. Melisa Şahin Tekin**
7	Independent Learning
8	Oral and dental health in endocrine diseases and in geriatric patient **Dr. Öğr. Üyesi. Melisa Şahin Tekin**
9	Independent Learning
10	**Exam Week**
11	**Exam Week**
12	Oral and dental health in anemic and thrombocytopenic patients **Doç. Dr. Neslihan Andıç**
13	Independent Learning
14	Internal Medicine and Dentistry Consultation **Dr. Öğr. Üyesi. Melisa Şahin Tekin**
15	Independent Learning
16	Oral and dental health in hemophilia **Doç. Dr. Neslihan Andıç**
17	**Exam Week**

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	5

COURSE CODE	16119003	COURSE NAME	Temporomandibular disorders and treatment

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall	1			1	3	COMPULSORY () ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		x	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Temporomandibular Joint (TMJ) and functional anatomy Diagnose muscle disorders and internal dearrangements
COURSE OBJECTIVES	Understand TMJ and functional anatomy Diagnose muscle disorders and internal dearrangements
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Treatment internal dearrangements Do medical and splint treatments
COURSE OUTCOMES	Learning and understanding the treatment of Temporomandibular Disorders (TMD)
TEXTBOOK	Okeson JP,Management of Temporomandibular Disorders and Occlusion,Elsevier,7 th ed.
OTHER REFERENCES	Esengül Yengin, Temporomandibular rahatsızlıklarda teşhis ve tedavi,İ.Ü Diş hekimliği fakültesi yayını.1. basım
TOOLS AND EQUIPMENTS REQUIRED	

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Anatomy of TMJ and muscles of mastication
2	Functional anatomy and biomechanics of TMJ
3	Ethyology of mastication system disorder
4	Symptoms of mastication system functional disorders
5	Differantial diagnosis and treatment in TMD
6	Treatment procedures of TMD
7	Treatment of muscle disorders
8	Treatment of internal dearrangement
9	MR imaging in TMD
10	Treatment of inflamatuary TMD
11	Treatment of chronic mandibular hypomobility and growth disorders
12	Case discussion 1 Radiological
13	Case discussion 2 Diagnosis
14	Case discussion 3 Treatment

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	5

COURSE CODE	161119004	**COURSE NAME**	Ophthalmology

SEMESTER	**WEEKLY COURSE PERIOD**			**COURSE OF**			
	Theory	**Practice**	**Labratory**	**Credit**	**ECTS**	**TYPE**	**LANGUAGE**
Fall	1	0	0	1	2	COMPULSORY (*) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	**Basic Medical Science**	**Clinical Science**	**Social Science**
		*	

ASSESSMENT CRITERIA			
	Evaluation Type	**Quantity**	**%**
MID-TERM	1st Mid-Term	1	50
	2nd Mid-Term	n/a	
	Quiz	n/a	
	Homework	n/a	
	Project	n/a	
	Report	n/a	
	Others (……)	n/a	
FINAL EXAM	Mid-term final exam	1	50

PREREQUIEITE(S)	n/a
COURSE DESCRIPTION	Basic information on eye diseases and treatment
COURSE OBJECTIVES	Basic information about eye diseases and inform its diseases and treatment
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Because of the proximity to the mouth, nose and sinuses are intended to inform about eye diseases.
COURSE OUTCOMES	PowerPoint slides
TEXTBOOK	n/a
OTHER REFERENCES	Basic Ophthalmology, School of Medicine Term 5 Ophthalmology Lecture notes / slides**,** Kanski Clinical Ophthalmology
TOOLS AND EQUIPMENTS REQUIRED	**n/a**

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Medical history and approach to patient in Ophthalmology
2	Ophthalmology Devices Used in the Treatment and Diagnosis
3	Specific to Eye Diseases Symptoms- Signs and Physical Examination
4	Ocular Anatomy and Physiology
5	Refractive Errors
6	Orbital Diseases and Infections
7	Ocular Infections
8	Cataract and lens disease
9	Cornea diseases
10	Eye disease with interesting case
11	EXAM
12	EXAM
13	Relationship of Dentistry and Eye Diseases
14	Glaucoma
15	Retina disease
16	Strabismus
17	Uveitis
18	Eye Injuries and Protective Eye Medicine

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.		**X**	
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.		**X**	
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		**X**	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		**X**	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		**X**	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	**X**		
7	Consciousness of professional and ethic responsibility	**X**		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		**X**	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	5

COURSE CODE	161119005	COURSE NAME	Dermatology and Veneorology

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
						COMPULSORY (x) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM			50

PREREQUIEITE(S)	-
COURSE DESCRIPTION	Dermatological diseases of oral mucosa, tongue and lips
COURSE OBJECTIVES	Recognition of dermatological diseases of oral mucosa, tongue and lips
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Recognition of dermatological diseases of oral mucosa, tongue and lips
COURSE OUTCOMES	He/she recognizes benign, premalign, malignant and hyperpigmented lesions located in oral mucosa, tongue and lips. He/she recognizes microbial and inflammatory diseases of oral mucosa, tongue and lips .
TEXTBOOK	Andrews' Skin Diseases
OTHER REFERENCES	Can Baykal Atlas of Dermatology
TOOLS AND EQUIPMENTS REQUIRED	-

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Lichen Planus and Lichenoid Dermatosis Associate Professor Hilal KAYA ERDOĞAN
2	Pemphigus Group Diseases Associate Professor Hilal KAYA ERDOĞAN
3	Eritema Multiforme, Stevens Johnson Sendromu, Toxic Epidermal Necrolysis Associate Professor Hilal KAYA ERDOĞAN
4	Recurrent Aphtous Stomatitis and Behçet's Disease Associate Professor Hilal KAYA ERDOĞAN
5	Viral Diseases Assist. Professor Ersoy ACER
6	Bacterial Infections Associate Professor Hilal KAYA ERDOĞAN
7	Fungal Enfeksiyonlar Assist. Professor Ersoy ACER
8	Leukoplakia and Other Premalign Lesions Assist. Professor Ersoy ACER
9	Hyperpigmentation Disorders of Oral Mucasa Assist. Professor Ersoy ACER
10	Malign Lesions of Oral Mucosa, Tongue and Lips Assist. Professor Ersoy ACER
11	Benign Lesions of Oral Mucosa, Tongue and Lips Assist. Professor Ersoy ACER
12	Oral Findings of Systemic Diseases Associate Professor Hilal KAYA ERDOĞAN
13	Tongue and Lip Diseases Assist. Associate Professor Hilal KAYA ERDOĞAN

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	5

COURSE CODE	161120005	COURSE NAME	Dental Office Management and Ergonomics

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Sping	1			1	2	COMPULSORY (×) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	25
	2nd Mid-Term	1	25
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	None
COURSE DESCRIPTION	Basic principles of ergonomics, physical, cognitive and administrative ergonomics, common musculoskeletal diseases among dentists, their findings and risk factors associated with their developments, dentist's work station adjustments, correct working postures, methods to minimize work-related stress, grasping types for hand-held instruments, methods to improve general health status, home and worksite exercises, basic principles of office ergonomics, fatigue and steps taken to overcome it, the principles and methods of four-handed dentistry, legal procedures to establish a dental practice office.
COURSE OBJECTIVES	To give information about the basic principles of ergonomics, common musculoskeletal diseases among dentists, their findings and risk factors associated with their developments and office ergonomics To teach suitable body postures, proper adjustments of work stations, methods to improve practice of dentistry and general health status, fatigue and steps taken to overcome it, the principles and methods of four- handed dentistry, legal procedures to open a dental practice office.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Gives basic information about dental ergonomics and dental affice management
COURSE OUTCOMES	Student will have knowledge about dental office management and ergonomics
TEXTBOOK	**American Dental Association** (2013). The ADA practical guide to dental office design. [Chicago, III.]: American Dental Association, Dept. of. Product Development and Sales. **Skovsgaard, H. (2001).** Ergonomi Raporu. 1-25.
OTHER REFERENCES	**Türk Diş Hekimleri Birliği (2014).** Diş Hekimliği muayenehanesi yönetim sistemi.
	American Dental Association (2012). The ADA Practical Guide to Starting Your Dental Practice.
TOOLS AND EQUIPMENTS REQUIRED	Computer, projector

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Working positions in dentistry
2	Working positions in dentistry
3	Four handed dentistry
4	Four handed dentistry
5	Clinic management
6	Musculoskeletal disorders in dentistry
7	Dental office design
8	MID-TERM EXAM
9	MID-TERM EXAM
10	Legal responsibilities of dentists
11	Financial management
12	Sterilization and disinfection in dental office
13	Sterilization and disinfection in dental office
14	Patient records and tracking
15	Instruments used in dental office and their maintenance
16	Instruments used in dental office and their maintenance
17-18	General Review

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.		**x**	
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.			**x**
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.			**x**
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.			**x**
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			**x**
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.			**x**
7	Consciousness of professional and ethic responsibility		**x**	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		**x**	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	5

COURSE CODE	161119006	COURSE NAME	ENT Diseases

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
	1					COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		x	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	40
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	60

PREREQUIEITE(S)	
COURSE DESCRIPTION	Various disorders of nose, paranasal sinuses, oral cavity, pharynx, salivatory glands, and neck related with dentistry practice
COURSE OBJECTIVES	Training for various diseases occasionally encountered in dentistry practice and necessitates cooperation with an otorhinolaryngologist to diagnose and treat them
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	For a dentistry student, knowing diagnosis and treatment of not only diseases of tooth and gingiva but also various disorders of nose, paranasal sinuses, oral cavity, pharynx, salivatory glands, and neck is an adjunct to occupational training
COURSE OUTCOMES	Dentistry students to gain information about management steps including evaluating anamnesis achieved from patient or relatives about various disorders of nose, paranasal sinuses, oral cavity, pharynx,

	salivatory glands, and neck, diagnosing accurately by applying appropriate physical examination and studies in concordance with an otorhinolaryngologist, applying appropriate treatment plan after diagnosis, and follow-up of the patient. Having knowledge of methods of informing the patients and relatives in these stages.
TEXTBOOK	Ear Nose and Throat and Head Neck Surgery Ed.Onur Çelik Ear Nose and Throat and Head Neck Surgery Ed.Can Koç
OTHER REFERENCES	**Essential Otolaryngology Essential Otolaryngology Head and Neck Surgery KJ.Lee Çev Eds.:Metin Önerci, Hakan Korkmaz Güneş Tıp Kitabevleri**
TOOLS AND EQUIPMENTS REQUIRED	Computer, Barcovision hardware

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Physiology of Nose and Paranasal Sinuses
2	Anatomy and Radiology of Nose - Paranasal Sinuses
3	Acute and Chronic Sinusitis
4	Diseases of the Nose and Paranasal Sinuses
5	Oral cavity benign lesions and tumors
6	Oral Cavity Malign Tumors
7	Salivary gland diseases
8	Obstrüktif Sleep Apne Sendromu (OSAS)

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	5

COURSE CODE	161119007	COURSE NAME	NEUROLOGY

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Autumn	1	-	-			COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
-	-	1	-

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	50
	2nd Mid-Term	-	-
	Quiz	-	-
	Homework	-	-
	Project	-	-
	Report	-	-
	Others (……)	-	-
FINAL EXAM		1	50

PREREQUIEITE(S)	Have to be successful in 4th class
COURSE DESCRIPTION	Neurological Diseases
COURSE OBJECTIVES	Diagnosis and treatment plannig for the solutions of dental problems in neurological diseases, practicing the safe, evidence-based applications in individuals with neurological diseases
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	1-Implementing the intra-and interdisipliner teamwork for the varios bracnhes dentistry, 2- Making cooperation with experts in the field of neurology and discriminating the dental diseases from the neurological diseases.
COURSE OUTCOMES	Appliying the information learned in the field of neurology by the clinical as well as laboratory studies.
TEXTBOOK	1- İstanbul University Faculty of Medicine Neurology Book Editors: Prof.Dr. Emre Oge, Prof. Dr. Betul Baykan
OTHER REFERENCES	1- Clinic Noroanatomy ve Neurologıcal Examination Editors: Prof.Dr. Gazi Özdemir, Authors: Prof.Dr. Serhat Ozkan, Prof.Dr. Ozcan Ozdemir 2- Current articles
TOOLS AND EQUIPMENTS REQUIRED	White board, computer

COURSE SYLLABUS	
WEEK	**TOPICS**
1	INTRODUCTION TO NEUROLOGY AND NEUROLOGICAL EXAMINATION
2	EMERGENCY NEUROLOGICAL DISEASES
3	CRANIAL NERVES (5,7,9,10,11)
4	PRINCIPLES OF NEUROSCIENCE AND DENTAL TREATMENT
5 and 6.	**MID-TERM EXAMINATIONS- 21.11.2017**
7	HEADACHES
8	CRANIOFACIAL NEVRALJI
9	EPILEPSY
10	SYNCOPE
11	CEREBROVASCULAR DİSEASES
12	DEMENTİA
13	MULTİPLE SCLEROSİS
14	MYASTENİA GRAVES
15	MYOPATHY
16	**FINAL EXAM 09.01.2018**

NO				
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**X**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**X**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	**X**		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	**X**		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	**X**		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	**X**		
7	Consciousness of professional and ethic responsibility	**X**		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	**X**		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	5

COURSE CODE	**161120006**	**COURSE NAME**	Topographical Head and Neck Anatomy

SEMESTER	**WEEKLY COURSE PERIOD**			**COURSE OF**			
	Theory	**Practice**	**Labratory**	**Credit**	**ECTS**	**TYPE**	**LANGUAGE**
Spring	1			1	2	COMPULSORY (×) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	**Basic Medical Science**	**Clinical Science**	**Social Science**
	×		

ASSESSMENT CRITERIA			
	Evaluation Type	**Quantity**	**%**
MID-TERM	1st Mid-Term	1	40
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	60

COURSE CONTENT	In this course, it is given the basic knowledge about human anatomy and the terminology used in health science This course involves the study of the haed and neck structures of the human body
COURSE OBJECTIVES	In this course, detailed information about the usage and fundamentals of the Latin terminology will be given. While giving this knowledge, the relationship between basic and clinical sciences has to be emphasized. Give the anatomical information about the locomotor system and make clear the functional importance
COURSE AIMS	Students will be able to understand and use Latin anatomical terminology and define general terms and concepts associated with anatomy Determination of anatomical points of head and neck, understanding of the functional importance, the ability to provide the clinical integration (relations).
TEXTBOOK(S)	-Arıncı, K, Elhan, A: Anatomi, Cilt 1-2, 2. Baskı, Güneş Kitabevi, Ankara, 1997. -Çimen, A: Anatomi. Uludağ Üniversitesi Basımevi, Bursa, 1987. -Dere, F: Anatomi, Cilt 1-2, 2. Baskı, Okullar Pazarı Kitabevi, Adana, 1990. -Moore, KL: Clinically Oriented Anatomy. 3th Edition, Williams and Wilkins, Baltimore, 1992. -Netter F.H.:Atlas of Human Anatomy, Seventh Edition, Ciba-Geigy Corporation, 1994.
REFERENCES	Sobotta Human Anatomy Atlas, 2006.

* ECTS (European Credit Transfer System).
** Place (X) as appropriate.

COURSE OUTLINE (Spring)	
WEEK	**SUBJECTS / TOPICS**
1	Regions of the head, layers of the scull
2	Basis cranii
3	Vestibulocochlear organs
4	The Face
5	Orbital region
6	Nasal region
7	MID-TERM EXAM
8	Oral region
9	Lateral regions of the head
10	Pharynx
11	Superficial anatomy of the neck (vessels and nerves)
12	Cervical muscles
13	Cervical layers
14	Cervical regions I
15	Cervical regions II
16	FİNAL EXAM
17	MAKE-UP EXAM

OUTCOMES OF THE EDUCATION GIVEN BY INSTITUTUON OF DENTAL HEALTH SCIENCES				
S/N	**At the end of the course, students will be able to:**	**Never**	**Few**	**Many**
1	Sufficient knowledge in dental medicine; theoretical and practical knowledge in these areas, the ability to apply and model dental problems.			×
2	Ability to identify, define, formulate and solve dental problems by selecting and applying appropriate analysis and modeling methods.		×	
3	Ability to design experiments, conduct experiments, collect data, analyze and interpret results for examining dental problems.		×	
4	Ability to conduct individual studies, disciplinary and interdisciplinary teamwork.			×
5	Ability to communicate effectively in Turkish, both oral and written, and to use / develop foreign language skills.		×	
6	Awareness of the need for lifelong learning; access to knowledge, ability to follow developments in science and technology, and self-renewal skills.			×
7	Awareness of professional and ethical responsibility.		×	
8	Information on practices in business life such, project management and as risk management and change management; awareness about entrepreneurship, innovation and sustainable development.	×		

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	5

COURSE CODE	161119008	COURSE NAME	Research Techniques and Presentation

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall	2	0	0			COMPULSORY (x) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
	X		

ASSESSMENT CRITERIA			
MID-TERM	Evaluation Type	Quantity	%
	1st Mid-Term	1	50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	None
COURSE DESCRIPTION	This course includes parametric and nonparametric tests in package programs and presentation in the research report, preparation of research project and protocol, preparation of information collection forms, preparation of research project and application, data summarization techniques and presentation, and power analysis, research design and research methods, establishment of hypotheses, determination of research variables and scales, criticizes scientific paper, research planning and research subject selection
COURSE OBJECTIVES	This course purpose to explain planning scientific research, practise, control and analysing of data and techniques of writting scientific report, paper and thesis.

ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	This course contributes dentists upbringing can evaluate and using research information, read and understood scientific research.
COURSE OUTCOMES	Writting Scientific Paper with research techniques.
TEXTBOOK	Özdamar, K. (2003). Modern Bilimsel Arastirma Yöntemleri. *Kaan Kitabevi, Eskisehir*. Jackson, S. L. (2015). *Research methods and statistics: A critical thinking approach*. Cengage Learning.
OTHER REFERENCES	Kim JS and Dailey RJ. Biostatistics for Oral Healthcare, Blackwell Munksgaard, a Blackwell Publishing Company, 2008. **Beins, B. C., & McCarthy, M. A. (2012). Research methods and statistics. Pearson Education.**
TOOLS AND EQUIPMENTS REQUIRED	theoretical / slide presentation

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Research Planning Stages in Health Field
2	Scientific Writing Criticism, Scientific Article Reading Principles, Evaluation and Classification of Researched Articles
3	Criteria in Health Investigations: Rate, Relative Risk, Odds Ratio, etc.
4	Population and sample, research methods and basic research arrays
5	Randomization and Blinding
6	Normal Distribution, Sampling Distribution, Central Limit Theory,
7	Formation of hypotheses
8	**Midterm Exam**
9	Power Analysis
10	Sampling Methods (Probability Sampling and Alternatives to Probability Sampling)
11	Parametric Hypothesis Testing and Presentation in the research report
12	Non-Parametric Hypothesis Testing and Presentation in the research report
13	Applications of Parametric and Non-Parametric Hypothesis Testing Methods with Package Programmes
14	Preparation of research project and protocol, Preparation of information collection forms
15	Research and Publication Ethics

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		

1:None. **2**:Partially contribution. **3**: Completely contribution.

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	5

COURSE CODE	161120007	COURSE NAME	COMMUNITY ORAL DENTAL HEALTH

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
SPRING	1			1	2	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	None
COURSE DESCRIPTION	Oral-dental health and relationship between oral-dental health and general health, prevention methods in oral-dental health, epidemiology and indexes using for community oral-dental health, community-based health programs, World Health Organization targets and atraumatic restorative treatment
COURSE OBJECTIVES	The course aims to get information about the oral-dental health and community oral-dental health, and to gain the ability to community-based oral-dental health application programs.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The dental students learn about the prevention methods in oral-dental health by understanding the relationship between oral-dental health and general health. In additional, dental students develop the recommendations to improve the oral-dental health of the community and can apply for these programs by learning the targets of the World Health Organization.
COURSE OUTCOMES	Be able to describe the health, disease, public health and community oral-dental health Be able to explain the prevention services in oral-dental diseases and to perform the applications of these methods Be able to knowledge about the epidemiology of oral-dental health and to list the indexes using for community-based researches Be able to list the all programs using for improving community oral-dental health and to perform all these programs

	Be able to list the targets of World Health Organization about the oral-dental health and to explain the prevalence and severity of oral-dental diseases in Turkish children, and to asses treatment requirements Be able to explain the treatment approaches of the oral-dental health in pregnancies, babies and geriatric patients
TEXTBOOK	Gülden Ereş. Ağız Sağlığı Araştırmaları: Temel Metodlar. 4. baskı. Ankara Üniversitesi Diş Hekimliği Fakültesi Yayınları No:21. Chestnutt IG. Dental Public Health at a Glance. Wiley-Blackwell; 2016. Detels R, Beaglehole R, Lansang MA, Gulliford M. Oxford Textbook of Public Health. 5th Ed. Oxford University Press,; 2011. Marya CM. A Textbook of Public Health Dentistry. Jaypee; 2011. Krishna M, Dasar PL. Principles and Practice of Public Health Dentistry. Jaypee; 2010. Pine CM, Harris R. Community Oral Health. Quintessence Pub., 2007. Hiremath SS. Textbook of Preventive and Community Dentistry. Elsevier India; 2006. Gluck GM, Morganstein WM. Jong's Community Dental Health. 5th ed. Mosby; 2002. Rahmatulla M, Frencken JE. Management of Dental Caries Through the Atraumatic Restorative Treatment (ART) Approach. Jaypee; 2000.
OTHER REFERENCES	Newman MG. Takei HH, Klokkevold PR, Carranza FA. Carranza's Clinical Periodontology. 20th ed. Saunders; 2014. Casamassimo PS, Henry W. Fields Pediatric Dentistry: Infancy through Adolescence. Saunders; 2012.Dean JA, Avery DR, Mc Donald RE. Dentistry for the Child and Adolescent. 9th ed. Mosby; 2011. Koch G, Poulsen S. Çocuk Dişhekimliğine Klinik yaklaşım. 2nd ed. Medya yayın grubu; 2009.
TOOLS AND EQUIPMENTS REQUIRED	The equipments for the computer supported education

COURSE SYLLABUS	
WEEK	**TOPICS**
1	INTRODUCTION to COMMUNITY ORAL-DENTAL HEALTH
2	RELATIONSHIP BETWEEN ORAL-DENTAL HEALTH and GENERAL HEALTH
3	ORAL-DENTAL HEALTH and EPIDEMIOLOGY
4	PRIMARY- SECONDARY-TERTIARY PREVENTION on the ORAL-DENTAL HEALTH SERVICES
5	INDEXES USING for COMMUNITY ORAL-DENTAL HEALTH
6	INDEXES USING for PERIODONTOLOGY
7	PLANNING and IMPLEMENTATION of the PROGRAM to IMPROVE the COMMUNITY ORAL-DENTAL HEALTH
8	SCHOOL-BASED ORAL-DENTAL HEALTH PROGRAMS
9	WORLD HEALTH ORGANIZATION TARGETS, ORAL and DENTAL HEALTH in CHILDREN in TURKEY and in the WORLD
10	**MID-TERM EXAM**
11	**MID-TERM EXAM**
12	**PUBLIC HOLIDAY**
13	**PUBLIC HOLIDAY**
14	ORAL-DENTAL HEALTH in PREGNANCY
15	ORAL-DENTAL HEALTH in BABIES
16	ORAL-DENTAL HEALTH in GERIATRIC PATIENTS
17	ATRAUMATIC RESTORATIVE TREATMENT

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	5

COURSE CODE	1611120008	COURSE NAME	PSYCHIATRY

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
SPRING	1			1	2	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY

Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM			50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Mental Health in Dentistry Practise
COURSE OBJECTIVES	To ensure dentistry students to recognize psychiatric disorders
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	
COURSE OUTCOMES	
TEXTBOOK	Dentistry students would achieve the ability of problem-solving when they meet patients with psychiatric disorders at the end of course.
OTHER REFERENCES	DePiano F, Ayer W, Jr. Psychology and Dentistry: Mental Health Aspects of Patient Care. Binghamton, NY:The Haworth Press, 2005 American Psychiatric Association. Diagnostic and Statistical Manual of Mental Disorders, 5th ed. Washington, DC: American Psychiatric Publishing, Inc., 2013 Öztürk MO, Uluşahin A. Ruh Sağlığı ve Bozuklukları. 13. Baskı, Ankara: Nobel Tıp Kitapevleri; 2015
TOOLS AND EQUIPMENTS REQUIRED	

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Psychiatry: Introduction – Ali Ercan ALTINÖZ
2	Psychiatric Symptoms and Semiology – Gülcan GÜLCEÇ
3	Mood Disorders - Çınar YENİLMEZ
4	Schizophrenia and other psychotic disorders - Ferdi KÖŞGER
5	Psychosomatic Disorders - Ali Ercan ALTINÖZ
6	Alcohol and Substance Use Disorder - Gülcan GÜLEÇ
7	Anxiety Disorders - Gökay Aksaray
8	Dental Anxiety and Dental Fear – Gökay Aksaray
9	Bruxism and its' Psychiatric Treatment – Gökçen YILMAZ KARAMAN
10	Doctor Patient Relationship & Deliviring News- Ali Ercan ALTINÖZ
11	Personality Disorders - Çınar YENİLMEZ
12	Eating Disorders – Ali Ercan ALTINÖZ
13	Psychiatric Treatments - Ferdi Köşger

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	5

COURSE CODE	161120009	COURSE NAME	FORENSIC MEDICINE and FORENSIC DENTISTRY

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Spring	1	-	-	1	2	COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
-	1	-	-

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	50
	2nd Mid-Term	-	-
	Quiz	-	-
	Homework	-	-
	Project	-	-
	Report	-	-
	Others (……)	-	-
FINAL EXAM		1	50

PREREQUIEITE(S)	Have to be successful in 4th class
COURSE DESCRIPTION	Medical Forensic Sciences
COURSE OBJECTIVES	The aim of this course is that the student will be able to recognize concepts of forensic medicine and dentistry, to know the responsibility in clinical practice and forensic investigations.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The student will take general evaluation of forensic cases in the clinic, describe the findings in the light of the causes, carry out the responsibilities as a dentist on the reporting according to the basic legal principles.
COURSE OUTCOMES	The student will; * Recognize the forensic case * Examine in forensic cases * Determine the causes of the cases * Report the findings.
TEXTBOOK	1- Abubekir Harorlı, Adli Diş Hekimliği, 1.baskı, Erzurum 2006. 2- Hüseyin Afşin (Ed)., Adli Diş Hekimliği, 1. Baskı, İstanbul 2004.
OTHER REFERENCES	3-Özkalıpçı Ö, Şahin Ü, Baykal T, Fincancı ŞK, Akhan O, Öztop F, Lök V. Atlas of Torture, İstanbul 2007. 4- Current article
TOOLS AND EQUIPMENTS REQUIRED	White board, computer

COURSE SYLLABUS	
WEEK	**TOPICS**
1	The Forensic Sciences, Forensic Medical Sciences, Forensic Dentistry Structuring of Forensic Medicine in Our Country **(Assoc. Prof. Dr. Kenan Karbeyaz)**
2	Matter of Competence of Dental Students, Damages Caused by Injections in Dental Education **(Assoc. Prof. Dr. Kenan Karbeyaz)**
3	Dead, Postmortem Changes and Legal Rules in Forensic Autopsy **(Assoc. Prof. Dr. Kenan Karbeyaz)**
4	Wounds and Legal Concepts Related To Wounds **(Assoc. Prof. Dr. Kenan Karbeyaz)**
5	Crimes to Sexual Immunity and The Role of Dentist in Diagnosis **(Assoc. Prof. Dr. Kenan Karbeyaz)** The Role of Dentist in Determination and Prevention of Child Abuse **(Assoc. Prof. Dr.Kenan Karbeyaz)**
6	Forensic Report Making Reports in Forensic Dentistry Expertness and The Behaviour of Dentist in Court As An Expert (**Assoc. Prof. Dr. Kenan Karbeyaz)**
7. & 8.	**MID-TERM EXAMINATIONS**
9	Firearm Injuries (**Assoc. Prof. Dr. Kenan Karbeyaz)**
10	Forensic Psychiatry and Forensic Toxicology in Dentistry **(Assist. Prof. Dr. Esra YEŞİLOVA)**
11	Torture Findings in Dental and Oral Tissues **(Assist. Prof. Dr. Esra YEŞİLOVA)**
12	Age Determination in Forensic Dentistry **(Assist. Prof. Dr. Esra YEŞİLOVA)**
13	Personal Identification, Personal Identification From Teeth and The Role of Dentist in Mass Disasters **(Assist. Prof. Dr. Esra YEŞİLOVA)**
14	Oral and Dental Trauma In the View of Forensic Dentistry **(Assist. Prof. Dr. Esra YEŞİLOVA)**
15	**FINAL EXAM**

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	X		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	X		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	5

COURSE CODE	161120010	COURSE NAME	Medical Criminal Law

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Spring	1			1	2	COMPULSORY () ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	40
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	60

PREREQUIEITE(S)	N/A
COURSE DESCRIPTION	the rights and obligations of patients and health personnel and in case of violation of rights or obligations should neglect, breach of the law occur in the future are the subjects of this lecture.
COURSE OBJECTIVES	The rights and obligations of the candidates for the dentist and to ensure they are knowledgeable about the legal issues to be concerned in case of violation .
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	In this course, students will do right and they will learn the process while performing their professional obligations they have less hesitation.
COURSE OUTCOMES	Students of the violation of their rights and obligations after taking the course will have the knowledge to understand the provisions in the rule of law.
TEXTBOOK	Hakan Hakeri, Tıp Hukuku, Ankara 2015.
OTHER REFERENCES	Hakan HAKERİ, Tıp Hukuku
TOOLS AND EQUIPMENTS REQUIRED	health law legislation

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Concept of Medical Criminal Law, The Evaluation of Medical Intervention with regard to Criminal Law,
2	Patient rights
3	Rights of health care personnel
4	The Evaluation of Medical Intervention with regard to Criminal Law and the concept of malpractice
5	Crimes can be rendered by health care personnel
6	Crimes can be rendered by health care personnel
7	Crimes can be rendered by health care personnel
8	The legal basis of the doctor-patient relationship in public and private hospitals and trial process

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.			**x**
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.			**x**
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.			**x**
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.			**x**
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			**x**
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		**x**	
7	Consciousness of professional and ethic responsibility	**x**		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.			**x**
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	5

COURSE CODE	161120003	COURSE NAME	Restorative Dentistry 4

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
	1					COMPULSORY x ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		x	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	%50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	%50

PREREQUIEITE(S)	
COURSE DESCRIPTION	Treatment of advanced cases in restorative denistry
COURSE OBJECTIVES	To teach advanced restorative treatments
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Student passing this course will have know how to treat advanced cases and treatments
COURSE OUTCOMES	Student passing this course will have know how to treat advanced cases and treatments
TEXTBOOK	1. Theodore Roberson, Harold O. Heymann, and Edward J. Swift "Sturdevants The Art and Science of Operative Dentistry"

	2. Ole Fejerskov, Edwina Kidd, "Dental Caries: The Disease and its Clinical Management" 3. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 1: Contemporary Clinical Practice", 4. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 2: Challenges of the Future" 5. Greenwall, Linda. "Bleaching Techniques in Restorative Dentistry An Illustrated Guide."
OTHER REFERENCES	1. Kenneth J. Anusavice "Phillips Science of Dental Materials" 2. John M. Powers , Ronald L. Sakaguchi, "Craig's Restorative Dental Materials" 3. William J. OBrien, "Dental materials and their selection" 4. Hugh Devlin "Operative Dentistry, A pratical guide to recent innovations" 5. Dayangaç, G.B., "Kompozit rezin restorasyonlar 6. J.B. Summitt, J.W. Robbins, T.J. Hilton, R.S. Schwartz, "Fundamentals of Operative Dentistry" 7. Albers HF. "Tooth-colored restoratives: Principles and techniques"
TOOLS AND EQUIPMENTS REQUIRED	Computer, projector, internet connection

COURSES SYLLABUS		
DATE	**INSTRUCTORS**	**DERSLER**
01.02.2021	Asist.Prof. Hatice Tepe	Introduction of dental adhesives restorations with endodontic treated tooth
08.02.2021	Asist.Prof. Hatice Tepe	Dental adhesives restorations with endodontic treated tooth- Posts
15.02.2021	Asist.Prof. Hatice Tepe	Dental adhesives restorations with endodontic treated tooth- Posts
22.02.2021	Prof. Dr Batu Can Yaman	Indirect Dental Restorations- Inlays
01.03.2021	Prof. Dr Batu Can Yaman	Indirect Dental Restorations- Onlays
08.03.2021	Prof. Dr Batu Can Yaman	Dental Veneer Restorations-Indirect
15.03.2021	Asist.Prof. Hatice Tepe	Tooth Shade Selection of the Restorations
22.03.2021	Prof. Dr Batu Can Yaman	Direct Posterior Dental Restorations
29.03.2021	Asist.Prof. Hatice Tepe	Diastemia Closure
05-16.04.2021		
05-16.04.2021		
19.04.2021	Asist.Prof. Hatice Tepe	Diastemia Closure

26.04.2021	Asist.Prof. Hatice Tepe	Diastemia Closure
03.05.2021	Asist.Prof. Hatice Tepe	Full Esthetic Restorations
10.05.2021	Asist.Prof. Hatice Tepe	Adhesive Bridges
17.05.2021	Asist.Prof. Hatice Tepe	Case Report
24.05.2021	Prof. Dr Batu Can Yaman	Case Report
31.05.2021	Prof. Dr Batu Can Yaman	Case Report

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	5

COURSE CODE	161119009	COURSE NAME	Digital Dentistry

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
FALL	1			1	2	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY

Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	-
COURSE DESCRIPTION	Digital Dentistry Applications
COURSE OBJECTIVES	To teach digital-based dentistry applications To ensure the students have the knowledge on applications of the latest technological developments in the profession of dentistry To improve experiences of dental students on digital dentistry applications
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	To teach the current applications of dental practice
COURSE OUTCOMES	Knows the hardware and software components in digital dentistry Knows restorative applications in digital dentistry

	Knows prosthetic applications in digital dentistry Knows orthodontic applications in digital dentistry Knows smile design applications in digital dentistry
TEXTBOOK	Clinical Applications of Digital Dental Technology. Radi Masri, Carl F. Driscoll, John Wiley & Sons, Inc. 2015.
OTHER REFERENCES	Digital Dental Revolution: The Learning Curve. Agnini Alessandro, Agnini Andrea, Coachman, Christian. Quintessence Publishing 2015.
TOOLS AND EQUIPMENTS REQUIRED	-

COURSE SYLLABUS	
WEEK	**TOPICS**
1	**Introduction to Digital Dentistry** - Hardware and Software Components
2	**Data Acquisition in Digital Dentistry** - Radiological Imaging - Optical Scanning
3	**Manufacturing Technologies in Digital Dentistry** - Milling manufacturing technologies - 3D printing technologies
4	**Restorative applications in digital dentistry I**
5	**Restorative applications in digital dentistry II**
6	**Restorative applications in digital dentistry III**
7	**Restorative applications in digital dentistry IV**
8	**Prosthodontic applications in digital dentistry I**
9	**Prosthodontic applications in digital dentistry II**
10	**Prosthodontic applications in digital dentistry III**
11	**Prosthodontic applications in digital dentistry IV**
12	**Orthodontic applications in digital dentistry**
13	**Smile design applications in digital dentistry I**
14	**Smile design applications in digital dentistry II**

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry Course Information Form

CLASS	5

COURSE CODE	161120019	COURSE NAME	ORTHODONTICS INTERNSHIP II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
FALL SPRING		19		2	2	COMPULSORY (x) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	100

PREREQUIEITE(S)	
COURSE DESCRIPTION	Planning, construction and application of removable orthodontic appliances.
COURSE OBJECTIVES	Identifiying and learning of basic orthodontic appliance construction and applying the to the patient.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Distinguish the patient with orthodontic disorders, construct the basic removable appliance and apply to the patient.
COURSE OUTCOMES	To have knowledge about the clinical treatment methods used in orthodontics. To know indications of the basic orthodontic appliance and understand the laboratory procedures and apply to the patient
TEXTBOOK	William R. Proffit, Henry W. Fields, David M. Sarver. Contemporary Orthodontics, Mosby, St. Louis, 2007.
OTHER REFERENCES	Nakajima E. Manual of wire bending techniques, Quintessence,2010.
TOOLS AND EQUIPMENTS REQUIRED	

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Learning of orthodontic clinical operation
2	Learning the materials used in orthodontic clinics
3	Understanding orthodontic diagnosis in clinic
4	Understanding the process of orthodontic patients diagnose material collection
5	Impression, construction process and applying of removable space maintainer
6	Impression, construction process and applying of removable space maintainer
7	Impression, construction process and applying of fixed space maintainer
8	Impression, construction process and applying of fixed space maintainer
9	Impression, construction process and applying of removable maxillary slow expansion appliance
10	Impression, construction process and applying of removable maxillary slow expansion appliance
11	Impression, construction process and applying of removable maxillary slow expansion appliance
12	Impression, construction process and applying of removable mandibular slow expansion appliance
13	Impression, construction process and applying of removable mandibular slow expansion appliance
14	Impression, construction process and applying of removable mandibular slow expansion appliance
15	Impression, construction process and applying of removable maxillary labio-lingual spring appliance
16	Impression, construction process and applying of removable maxillary labio-lingual spring appliance
17	Impression, construction process and applying of removable maxillary mesio-distal spring appliance
18	Impression, construction process and applying of removable maxillary mesio-distal spring appliance

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			X
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.			X
7	Consciousness of professional and ethic responsibility		X	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		X	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	5

COURSE CODE	161120020	COURSE NAME	Restorative Dentistry Intership II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall/Spring		X				COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (Clinical works)	1	50
FINAL EXAM		1	50

PREREQUIEITE(S)	-
COURSE DESCRIPTION	Restorative dentistry “Clinical practice”
COURSE OBJECTIVES	This program aims to provide students with knowledge, understanding and skills in the scientific field of restorative dentistry.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	For each dentistry student, independent thinking and the ability to investigate their original work in the field to plan, manage and finalize

	the skills, attitudes and behavior and provide information and skills for serving society.
COURSE OUTCOMES	Students who have successfully completed this course will be able to teeth of patients.
TEXTBOOK	1. Theodore Roberson, Harold O. Heymann, and Edward J. Swift "Sturdevants The Art and Science of Operative Dentistry" 2. Ole Fejerskov, Edwina Kidd, "Dental Caries: The Disease and its Clinical Management" 3. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 1: Contemporary Clinical Practice", 4. Roulet, Jean-François; Wilson, Nairn H. F.; Fuzzi, Massimo. "Advances in Operative Dentistry, Volume 2: Challenges of the Future" 5. Greenwall, Linda. “Bleaching Techniques in Restorative Dentistry An Illustrated Guide.“
OTHER REFERENCES	1. Kenneth J. Anusavice "Phillips Science of Dental Materials" 2. John M. Powers , Ronald L. Sakaguchi, "Craig's Restorative Dental Materials” 3. William J. OBrien, "Dental materials and their selection" 4. Hugh Devlin "Operative Dentistry, A pratical guide to recent innovations" 5. Dayangaç, G.B., "Kompozit rezin restorasyonlar 6. J.B. Summitt, J.W. Robbins, T.J. Hilton, R.S. Schwartz, "Fundamentals of Operative Dentistry" 7. Albers HF. "Tooth-colored restoratives: Principles and techniques”
TOOLS AND EQUIPMENTS REQUIRED	List of clinical equipments declared interns before semester on official website of Dentistry faculty (http://dis.ogu.edu.tr/)

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Clinical Practice
2	Clinical Practice
3	Clinical Practice
4	Clinical Practice
5	Clinical Practice
6	Clinical Practice
7	Clinical Practice
8	Clinical Practice
9	Clinical Practice
10	Clinical Practice
11	Clinical Practice
12	Clinical Practice
13	Clinical Practice
14	Clinical Practice
15	Clinical Practice
16	Clinical Practice
17	Clinical Practice
18	Clinical Practice
19	Clinical Practice
20	Clinical Practice
21	Clinical Practice
22	Clinical Practice
23	Clinical Practice
24	Clinical Practice
25	Clinical Practice
26	Clinical Practice
27	Clinical Practice
28	Clinical Practice
29	Clinical Practice
30	Clinical Practice
31	Clinical Practice
32	Clinical Practice
33	Clinical Practice
34	Clinical Practice
35	Clinical Practice
36	Clinical Practice

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	X		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.			X
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility		X	
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		X	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	5

COURSE CODE	161120021	COURSE NAME	PROSTHODONTICS INTERNSHIP II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall-Spring		20		4	5	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Clinical Science	Social Science	Elective
	x		

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM			
	Report		
	Others (……)		
FINAL EXAM		1	100

PREREQUIEITE(S)	
COURSE DESCRIPTION	Teaching Oral cavity, teeth and dental structures and missing teeth as prosthetic rehabilitation.
COURSE OBJECTIVES	Besides learning the morphological characteristics of the teeth and oral cavity, general information regarding the implementation of prosthetic teeth provide operations on patients
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Understanding the factors in the anatomical and prosthetic rehabilitation of dental prostheses without damaging the prosthetic patient

COURSE OUTCOMES	The completion of the single missing teeth in prosthodontics need multiple missing teeth in either fixed or removable denture with what should happen on that teaches patients to be rehabilitated Hand tools and materials used in the prosthesis laboratory stage with theoretical and technical characteristics, as well as will be learned by practice of the manipulation.
TEXTBOOK	1. Prof Dr Senih Çalıkkocaoğlu Bölümlü Protezler . 2. Prof Dr Senih Çalıkkocaoğlu Tam Protezler 3. Herbert T. Shillingburg (Author), David A. Sather Jr. (Author), Edwin L. Wilson Jr. (AuthorFundamentals of Fixed Prosthodontics 4th Edition
OTHER REFERENCES	1.Contemporary Fixed Prosthodontics by Stephen F. Rosenstiel BDS MSD
TOOLS AND EQUIPMENTS REQUIRED	THEORETİCAL: Computer aided projection, whiteboards PRACTICE: Aerator and micromotor handpiece, which according to various diameters and lengths drills plenty, spatula, the cook, crochet pliers

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Clinical Practice
2	Clinical Practice
3	Clinical Practice
4	Clinical Practice
5	Clinical Practice
7	Clinical Practice
8	Clinical Practice
9	Clinical Practice
10	Clinical Practice
11	Clinical Practice
12	Clinical Practice
13	Clinical Practice
14	Clinical Practice
15	Clinical Practice
16	Clinical Practice
17	Clinical Practice
18	Clinical Practice
19	Clinical Practice
20	Clinical Practice
21	Clinical Practice
22	Clinical Practice
23	Clinical Practice
24	Clinical Practice
25	Clinical Practice
26	Clinical Practice
28	Clinical Practice
29	Clinical Practice
30	Clinical Practice

31	Clinical Practice
32	Clinical Practice
33	Clinical Practice
34	Clinical Practice
35	Clinical Practice
36	Clinical Practice

1	Understanding the basic concepts of dental and learning skills	**x**		
2	To benefit from learning these basic materials used in dental prostheses and especially about gaining the ability to process them	**x**		
3	Knowing the skills to carry them prothesis general morphology of the teeth	**x**		
4	The ability to effectively utilize the tools and materials used in the prosthesis laboratory	**x**		
5	The general framework of the dental profession; rights, powers and responsibilities		**x**	
6	Self-study, disciplinary and interdisciplinary teamwork ability	**x**		
7	Turkish oral and written ability to use body language and vocational skills to communicate effectively in practice		**x**	
8	Awareness of the need for lifelong learning; Access to knowledge, science and technology developments in the monitoring and continuous self-renewal ability	**x**		
9	Professional and ethical responsibility		**x**	
10	About its effects on health and the environment on a global and societal dimensions of the dental practice; about national and international regulations and standards and awareness of the legal implications of medical practice		**x**	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	5

COURSE CODE	161120022	COURSE NAME	Clinical Endodontics II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall/Spring	-	19		2	2	COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (Clinical works)	1	50
FINAL EXAM		1	50

PREREQUIEITE(S)	Previous courses of 7th and 8th semester must successfully completed
COURSE DESCRIPTION	"Clinical practice II" of the root canal treatment
COURSE OBJECTIVES	The intern should be able to perform RCT in the presence of pulpal diseases on patients.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Intern performs root canal treatment on molar teeth of patient.
COURSE OUTCOMES	Intern having this course will be able to perform root canal treatment on molar teeth of patients after endodontic examination and diagnosis.

TEXTBOOK	1.Selmin Kaan Aşçı, Endodonti, 2014
OTHER REFERENCES	1.Tayfun Alaçam, Endodonti, 2000 2.Mehmet Kemal Çalışkan, Endodontide Tanı ve Tedaviler, 2006 3.Stephen Cohen, Kenneth M Hargreaves, Pathways of the Pulp, Ninth Edition, 2009 4. Arnaldo Castellucci, Endodontics; 2005 5.Johnson William T. Color Atlas of Endodontics 6. Ingle Bakland Baumgartner, Ingle's Endodontics, fifth edition, 2002
TOOLS AND EQUIPMENTS REQUIRED	List of clinical equipments declared interns before semester on official website of Dentistry faculty (http://dis.ogu.edu.tr/) and "Guide for Internship in Endodontic Clinical Practice II" prepared by department of Endodontics.

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Clinical Practice
2	Clinical Practice
3	Clinical Practice
4	Clinical Practice
5	Clinical Practice
6	Clinical Practice
7	Clinical Practice
8	Clinical Practice
9	Clinical Practice
10	Clinical Practice
11	Clinical Practice
12	Clinical Practice
13	Clinical Practice
14	Clinical Practice
15	Clinical Practice
16	Clinical Practice
17	Clinical Practice
18	Clinical Practice
19	Clinical Practice
20	Clinical Practice
21	Clinical Practice
22	Clinical Practice
23	Clinical Practice
24	Clinical Practice
25	Clinical Practice
26	Clinical Practice
27	Clinical Practice
28	Clinical Practice
29	Clinical Practice
30	Clinical Practice
31	Clinical Practice
32	Clinical Practice
33	Clinical Practice
34	Clinical Practice
35	Clinical Practice
36	Clinical Practice

NO	PROGRAM OUTCOMES	3	2	1
1	Able to have systemic and oral anamnesis after graduation	X		
2	Ability of making endodontic examination and diagnosing	X		
3	Able to perform basic endodontic treatment if there is pulpal or periapical disease	X		
4	Ability of consulting the patient with an endodontist or oral surgeon	X		
5	Ability of having personal training or interdisciplinary/multidisciplinary training		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	5

COURSE CODE	161120023	**COURSE NAME**	DENTOMAXILLOFACIAL RADIOLOGY INTERNSHIP-II

SEMESTER	**WEEKLY COURSE PERIOD**			**COURSE OF**			
	Theory	**Practice**	**Laboratory**	**Credit**	**ECTS**	**TYPE**	**LANGUAGE**
Fall/Spring	-	19	-	2	2	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATEGORY			
Basic Science	**Basic Medical Science**	**Clinical Science**	**Social Science**
-	-	X	-

ASSESSMENT CRITERIA			
	Evaluation Type	**Quantity**	**%**
MID-TERM	1st Mid-Term	-	-
	2nd Mid-Term	-	-
	Quiz	1	10
	Homework	1	10
	Project	-	-
	Report	-	-
	Others (Clinical Practice Order)	1	20
FINAL EXAM		1	60

PREREQUIEITE(S)	Have to be successful in fourth class
COURSE DESCRIPTION	Clinical evaluation and treatment planning
COURSE OBJECTIVES	The aim of this course is that the student will be able to apply the process of examination of the patient, evaluation of the status of the patient, diagnosis of the disease and constitution of treatment planning to clinical practice comprehensively before the graduation.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The students will take history of all patients that met in clinic, demand medical and dental consultation of patients, respond to the demanded consultations, interpret the radiographic images, investigate the laboratuary and biopsy results, make diagnosis and constitute treatment planning in the light of all data.
COURSE OUTCOMES	The student will;

	*Describe the history, complaint, referral and consultation *List the questions of medical history *Recognize the drugs and the possible complications in dental management *Describe oral pathologies *Acquire the radiographic images and interpret them *Describe the treatment planning
TEXTBOOK	1-Bilge OM, Akgül HM, Dağıstan S. Diş Hekimliğinde Muayene ve Oral Diagnoz, Atatürk Üniversitesi Yayınları, Eser Ofset, 1. Baskı, Erzurum 2012. 2- Abubekir Harorlı (ed). Ağız, Diş ve Çene Radyolojisi, Nobel Tıp Kitabevi, İstanbul 2014. 3-Gawkrodger DJ(ed). Human Disease for Dentists, Blackwell Munksgaard, 2004.
OTHER REFERENCES	4-White SC, Pharoah MJ. Oral Radiology Principles and Interpretation, Mosby Elsevier, 6th ed., 2009. 5- Bricker SL, Langlais RP, Miller CS. Oral Diagnosis, Oral Medicine and Treatment Planning, Lea & Febiger, 2nd ed., USA 1994. 6- Whaites E. Essentials of Dental Radiography and Radiology, Churchill Livingstone Elsevier, 4th ed., 2007. 7- Scully C. Oral and Maxillofacial Medicine The Basis of Diagnosis and Treatment, Churchill Livingstone Elsevier, 2nd ed., China 2008. 8- Scully C. Medical Problems in Dentistry, Churchill Livingstone Elsevier, 6th ed., China 2010. 9- Current articles
TOOLS AND EQUIPMENTS REQUIRED	Dental unit, intra and extraoral dental radiographic machines, dental volumetric tomography, pulp vitality tester, anamnesis cards, computer, mirror, explorer, holding instrument, cotton, gloves, mask

COURSE SYLLABUS	
DAY	**TOPICS**
1	Give oral and written information to the student about the clinic and the study design / Clinical practice
2	Clinical practice
3	Clinical practice
4	Clinical practice
5	Clinical practice
6	**QUIZ /** Clinical practice
7	Clinical practice
8	Clinical practice
9	Clinical practice
10	Clinical practice
11	Clinical practice
12	Clinical practice
13	Clinical practice
14	**PRESENTATION of HOMEWORK /** Clinical practice
15	Clinical practice
16	Clinical practice
17	Clinical practice
18	Clinical practice
19	**FINAL EXAM of INTERNSHIP**

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**X**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**X**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	**X**		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	**X**		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	**X**		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	**X**		
7	Consciousness of professional and ethic responsibility	**X**		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	**X**		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	5

COURSE CODE	161120024	COURSE NAME	Oral and Maxillofacial Surgery Clinical Practice II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall/Spring		38		4	4	COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY

Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term		
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	100

PREREQUIEITE(S)	No additional conditions are recommended.
COURSE DESCRIPTION	Surgical approach of the subjects of the benign and malignant pathological occurrences that may occur in the oral and peripheral region and orthognathic surgery are the content of the course.
COURSE OBJECTIVES	Be able to create a surgical point of view to the jaw and surrounding tissues
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The students will be taught how to solve the problems and the theoretical infrastructure will be provided in professional practice in Oral and Maxillofacial Surgery course.
COURSE OUTCOMES	At the end of the course, all students will have a level of knowledge about the pathological formations and treatments of the jaw and surrounding tissues.
TEXTBOOK	Ağız, Diş, Çene Hastalıkları ve Cerrahisi. Mustafa Türker, Şule Yücetaş. Atlas Kitapçılık, 1997, Ankara
OTHER REFERENCES	Contemporary Oral and Maxillofacial Surgery. 6th ed. James Hupp, Myron R. Tucker, Edward Ellis III. Elsevier Inc, 2008, St. Louis, Missouri
TOOLS AND EQUIPMENTS REQUIRED	There is no equipment required for the course.

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Single Rooted Tooth Extraction Practice
2	Single Rooted Tooth Extraction Practice
3	Single Rooted Tooth Extraction Practice
4	Single Rooted Tooth Extraction Practice
5	Single Rooted Tooth Extraction Practice
6	Single Rooted Tooth Extraction Practice
7	Single Rooted Tooth Extraction Practice
8	Single Rooted Tooth Extraction Practice
9	Single Rooted Tooth Extraction Practice
10	Single Rooted Tooth Extraction Practice
11	Single Rooted Tooth Extraction Practice
12	Single Rooted Tooth Extraction Practice
13	Single Rooted Tooth Extraction Practice
14	Single Rooted Tooth Extraction Practice
15	Single Rooted Tooth Extraction Practice
16	Single Rooted Tooth Extraction Practice
17	Multiple Rooted Tooth Extraction Practice
18	Multiple Rooted Tooth Extraction Practice
19	Multiple Rooted Tooth Extraction Practice
20	Multiple Rooted Tooth Extraction Practice
21	Multiple Rooted Tooth Extraction Practice
22	Multiple Rooted Tooth Extraction Practice
23	Multiple Rooted Tooth Extraction Practice
24	Multiple Rooted Tooth Extraction Practice
25	Multiple Rooted Tooth Extraction Practice
26	Multiple Rooted Tooth Extraction Practice
27	Multiple Rooted Tooth Extraction Practice
28	Multiple Rooted Tooth Extraction Practice
29	Multiple Rooted Tooth Extraction Practice
30	Multiple Rooted Tooth Extraction Practice

31	Multiple Rooted Tooth Extraction Practice
32	Multiple Rooted Tooth Extraction Practice
33	Multiple Rooted Tooth Extraction Practice
34	Multiple Rooted Tooth Extraction Practice
35	Multiple Rooted Tooth Extraction Practice
36	Multiple Rooted Tooth Extraction Practice

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	x		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	x		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	x		
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	x		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	x		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	x		
7	Consciousness of professional and ethic responsibility	x		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	x		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	5

COURSE CODE	161120025	COURSE NAME	PEDIATRIC DENTISTRY PRACTICE II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
Fall/SPRING		19		2	2	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	None
COURSE DESCRIPTION	The approach to pediatric patients, clinical and radiographical examination in children, preventive, restorative and endodontics treatments in the primary and immature permanent teeth, the space maintainers, treatment of dental trauma in primary and immature permanent teeth.
COURSE OBJECTIVES	The course aims to gain the ability to apply the approach to pediatric patients and management of dental anxiety, the clinical and radiographical examination methods, and the preventive, restorative and endodontics treatments in the primary and immature permanent teeth in pediatric clinic, the space maintainers, and the treatments of dental trauma in pediatric clinic.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The dental students can diagnose as a results of the clinical and radiographical examination in child patients and apply the preventive, restorative and endodontics treatments in the primary and immature permanent teeth and the space maintainers.
COURSE OUTCOMES	Be able to knowledge about the differences of the approach to pediatric patients and to perform the behavior management methods Be able to perform the clinical and radiological intraoral examinations in children Be able to knowledge about the caries formation and progression in children and to perform the diagnose Be able to knowledge about the methods of caries prevention and to perform the applications of caries prevention

	Be able to treated the white spot lesions and the caries of smooth surface and pit-fissure in the primary and immature permanent teeth Be able to knowledge about the premature loss of primary teeth and to perform the diagnose Be able to treated the premature loss of primary teeth Be able to knowledge about the primary and immature permanent teeth needs to be endodontic treatment and to perform the diagnose Be able to apply the endodontic treatments in the primary and immature permanent teeth Be able to knowledge about the developmental disorders of primary and immature permanent teeth and to the diagnose Be able to apply the treatments of developmental disorders of primary and immature permanent teeth Be able to knowledge about the dental trauma in primary and immature permanent teeth and to perform the diagnose Be able to apply the treatments of dental trauma in primary and immature permanent teeth
TEXTBOOK	Tortop T, Tulunoğlu Ö. Çocuk Diş Hekimliği Bebeklikten Ergenliğe. 4.baskı. Atlas Kitapçılık; 2009. Koch G, Poulsen S. Çocuk Dişhekimliğine Klinik yaklaşım. 2.baskı. Medya yayın grubu; 2009. Andreasen JO, Bakland LK, Flores MT, Andreasen FM, Andersson L. Çeviri editörü Eden E. Travmatik Dental Yaralanmalar El Kitabı. Vestiyer Yayıncılık, İstanbul. 2014.
OTHER REFERENCES	Mathewson RJ, Primosch, RE. Fundamentals of Pediatric Dentistry.3rd ed. Quintessence Publishing; 1995. Laskaris G. Color Atlas of Oral Diseases in Children and Adolescent. Thieme; 2000. Dean JA, Avery DR, Mc Donald RE. Dentistry for the Child and Adolescent. 9th ed. Mosby; 2010. Cameron AC, Widmer RP. Handbook of Pediatric Dentistry Mosby;2013 Welbury RR, Duggal MS, Hosey MT. Pediatric Dentistry. 4th ed. Oxford University Press; 2012. Casamassimo PS, Henry W. Fields Pediatric Dentistry: Infancy through Adolescence. Saunders; 2012.
TOOLS AND EQUIPMENTS REQUIRED	Dental materials in pediatric dentistry, clinical materials, pediatric patient

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
2	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
3	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
4	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
5	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
6	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
7	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients

	3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
8	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
9	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
10	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
11	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
12	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
13	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth

14	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
15	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
16	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
17	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
18	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
19	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	**X**		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	**X**		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		**X**	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		**X**	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		**X**	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	**X**		
7	Consciousness of professional and ethic responsibility	**X**		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	**X**		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry
Course Information Form

CLASS	5

COURSE CODE		COURSE NAME	PEDIATRIC DENTISTRY PRACTICE II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
FALL						COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	50
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	50

PREREQUIEITE(S)	None
COURSE DESCRIPTION	The approach to pediatric patients, clinical and radiographical examination in children, preventive, restorative and endodontics treatments in the primary and immature permanent teeth, the space maintainers, treatment of dental trauma in primary and immature permanent teeth.
COURSE OBJECTIVES	The course aims to gain the ability to apply the approach to pediatric patients and management of dental anxiety, the clinical and radiographical examination methods, and the preventive, restorative and endodontics treatments in the primary and immature permanent teeth in pediatric clinic, the space maintainers, and the treatments of dental trauma in pediatric clinic.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	The dental students can diagnose as a results of the clinical and radiographical examination in child patients and apply the preventive, restorative and endodontics treatments in the primary and immature permanent teeth and the space maintainers.
COURSE OUTCOMES	Be able to knowledge about the differences of the approach to pediatric patients and to perform the behavior management methods Be able to perform the clinical and radiological intraoral examinations in children Be able to knowledge about the caries formation and progression in children and to perform the diagnose Be able to knowledge about the methods of caries prevention and to perform the applications of caries prevention

	Be able to treated the white spot lesions and the caries of smooth surface and pit-fissure in the primary and immature permanent teeth Be able to knowledge about the premature loss of primary teeth and to perform the diagnose Be able to treated the premature loss of primary teeth Be able to knowledge about the primary and immature permanent teeth needs to be endodontic treatment and to perform the diagnose Be able to apply the endodontic treatments in the primary and immature permanent teeth Be able to knowledge about the developmental disorders of primary and immature permanent teeth and to the diagnose Be able to apply the treatments of developmental disorders of primary and immature permanent teeth Be able to knowledge about the dental trauma in primary and immature permanent teeth and to perform the diagnose Be able to apply the treatments of dental trauma in primary and immature permanent teeth
TEXTBOOK	Tortop T, Tulunoğlu Ö. Çocuk Diş Hekimliği Bebeklikten Ergenliğe. 4.baskı. Atlas Kitapçılık; 2009. Koch G, Poulsen S. Çocuk Dişhekimliğine Klinik yaklaşım. 2.baskı. Medya yayın grubu; 2009. Andreasen JO, Bakland LK, Flores MT, Andreasen FM, Andersson L. Çeviri editörü Eden E. Travmatik Dental Yaralanmalar El Kitabı. Vestiyer Yayıncılık, İstanbul. 2014.
OTHER REFERENCES	Mathewson RJ, Primosch, RE. Fundamentals of Pediatric Dentistry.3rd ed. Quintessence Publishing; 1995. Laskaris G. Color Atlas of Oral Diseases in Children and Adolescent. Thieme; 2000. Dean JA, Avery DR, Mc Donald RE. Dentistry for the Child and Adolescent. 9th ed. Mosby; 2010. Cameron AC, Widmer RP. Handbook of Pediatric Dentistry Mosby;2013 Welbury RR, Duggal MS, Hosey MT. Pediatric Dentistry. 4th ed. Oxford University Press; 2012. Casamassimo PS, Henry W. Fields Pediatric Dentistry: Infancy through Adolescence. Saunders; 2012.
TOOLS AND EQUIPMENTS REQUIRED	Dental materials in pediatric dentistry, clinical materials, pediatric patient

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
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	6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
7	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
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14	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
15	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
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	6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
19	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth
20	Diagnose and treatment prosedures in pediatric dentistry 1. The approach to pediatric patients and management of dental anxiety 2. Clinical and radiographical examination in pediatric patients 3. Preventive treatments in pediatric patients 4. Restorative treatments in the primary and immature permanent teeth 5. Endodontic treatments in the primary and immature permanent teeth 6. Space maintainers applications in the premature loss of primary teeth 7. Treatments of the dental trauma in the primary and immature permanent teeth 8. Treatments of the developmental disorders of primary and immature permanent teeth

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.		X	
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				

ESOGÜ Faculty of Dentistry

Course Information Form

CLASS	5

COURSE CODE	161120026	COURSE NAME	PERIODONTOLGY PRATİCE II

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
Fall- Spring	-	4		2	2	COMPULSORY (X) ELECTIVE ( )	TURKISH

COURSE CATAGORY			
Basic Science	Basic Medical Science	Clinical Science	Social Science
		X	

ASSESSMENT CRITERIA			
MID-TERM	Evaluation Type	Quantity	%
	1st Mid-Term	1	40
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	60

PREREQUIEITE(S)	NONE
COURSE DESCRIPTION	Periodontal inspection, diagnosis, periodontal treatment plan, non-surgical periodontal treatment, observing
COURSE OBJECTIVES	To evlauate the patients periodontal status, to recognize the periodontal instruments and use them appropriately, to adjust ideal working positions, to achieve plaque control and to propose good oral hygiene practices to the patients, to acquire efficient scaling and prophylaxis abilities

ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Yes
COURSE OUTCOMES	• Describe non-surgical mechanical periodontal therapy modalities • Know indications, contraindications and advantages and limitations of non-surgical mechanical periodontal therapy • Learn the basic instrumentations for non-surgical mechanical periodontal therapy modalities • Know local antibiotic delivery treatment options including the mechanism, indications, contraindications, advantages and limitations of local antibiotic delivery • Learn the basic instrumentation for local antibiotic delivery treatment • Learn the mechanism, when and what type(s) of systemic antibiotics are prescribed as an adjunct to periodontal therapy • Define primary and secondary occlusal trauma, how they affect periodontal health and how occlusal trauma can be detected and treated. • Learn about efficacy of root planning • Describe different steps in re-evaluation of initial non-surgical periodontal therapy
TEXTBOOK	• Newman MG., Takei HH., Klokkevold PR., Carranza FA., 2006; Carranza's Clinical Periodontology, Tenth edition, WB Saunders Company . • Lindhe J., Lang NP., Karring T., 2008; Clinical Periodontology and Implant Dentistry, 5th Edition. Wiley-Blackwell. • Rateischak KH, Wolf HF. Çeviri Editörü: Prof. Dr. Gürhan ÇAĞLAYAN Çeviri: Yrd. Doç. Dr. Hasan HATİPOĞLU. 2007, Periodontoloji, 3. Baskı, Palme Yayıncılık Ankara. • Elsevier Saunders Co, Philedelphia, USA. Periodontoloji, Ataoğlu T, Gürsel M, 3.baskı, 1999, Damla Ofset AŞ. Konya, Türkiye.
OTHER REFERENCES	• Periodontology 2000 • Journal of Periodontology • Journal of Clinical Periodontology • Journal of Periodontal Research
TOOLS AND EQUIPMENTS REQUIRED	Note, Slideshow

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Clinic Practice
2	Clinic Practice
3	Clinic Practice
4	Clinic Practice
5	Clinic Practice
6	Clinic Practice
7	Clinic Practice
8	Clinic Practice
9	Clinic Practice
10	Clinic Practice
11	Clinic Practice
12	Clinic Practice
13	Clinic Practice
14	Clinic Practice
15	Clinic Practice
16	Clinic Practice
17	Clinic Practice
18	Clinic Practice
19	Clinic Practice
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22	Clinic Practice
23	Clinic Practice
24	Clinic Practice
25	Clinic Practice
26	Clinic Practice
27	Clinic Practice
28	Clinic Practice
29	Clinic Practice
30	Clinic Practice
31	Clinic Practice
32	Clinic Practice
33	Clinic Practice
34	Clinic Practice
35	Clinic Practice
36	Clinic Practice
37	Clinic Practice
38	Clinic Practice

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of subjects related with dentistry; an ability to apply theoretical and practical knowledge on solving and modeling of dentistry problems.	X		
2	Ability to determine, define, formulate and solve dentistry problems; for that purpose an ability to select and use convenient analytical and modeling methods.	X		
3	In order to investigate dentistry problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X	
4	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
5	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	X		
6	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
7	Consciousness of professional and ethic responsibility	X		
8	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X		
1:None. **2**:Partially contribution. **3**: Completely contribution.				