

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

Course Introduction and Application Information

Course Code:	DENT103		
Course Name:	Histology - Embryology 1		
Semester:	Spring		
Course Credits:	ECTS 3		
Language of instruction:	English		
Course Condition:			
Does the Course Require Work Experience?:	No		
Type of course:	Compulsory Courses		
Course Level:	Bachelor TR-NQF-HE:6. Master`s Degree</div> <div>QF-EHEA:First Cycle</div> <div>EQF-LLL:6. Master`s Degree		
Mode of Delivery:	Face to face		
Course Coordinator:	Dr. Öğr. Üy. AYŞE KÖYLÜ		
Course Lecturer(s):	Dr Ayşe Köylü		
Course Assistants:			

Course Objective and Content

Course Objectives:	The course aims to enable students to have an idea about the basic structure and development of cell types, tissues, and the organ systems they form, and to make connections between these and their professions.
Course Content:	Preparation and examination of histological sections, Cell types and their relationship with their functions, Epithelial tissue, connective tissue, and its subtypes, bone, cartilage, blood tissue, as

well as muscle and nerve tissues, their organization and functional relationships

Learning Outcomes

The students who have succeeded in this course;

- 1) Lists the preparation of histological sections
- 2) Lists cell types
- 3) Gives examples of different tissue types
- 4) Lists blood cells

Course Flow Plan

Week	Subject	Related Preparation
1)	Introduction to Histology: Basic Concepts	-
2)	Cytoplasm	-
3)	Nucleus	-
4)	Epithelial Tissue	-
5)	Connective tissue	-
6)	Cartilage tissue	-
7)	Holiday	
8)	Midterm exam	-
9)	Bone Tissue	-
10)	Nerve tissue	-
11)	Muscle Tissue	-
12)	Blood Production and Blood Tissue	-
13)	Skin	
14)	The Eye & Ear: Special Sense Organs	
15)	Final exam	

Sources

Course Notes / Textbooks:	Junqueira L.C., Carneiro J. Basic Histology Eroschenko, V. P., & Di Fiore, M. S. DiFiore's atlas of histology with functional correlations. Lippincott Williams & Wilkins.
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References:	Junqueira L.C., Carneiro J. Basic Histology Eroschenko, V. P., & Di Fiore, M. S. DiFiore's atlas of histology with functional correlations. Lippincott Williams & Wilkins. Pawlina W. Histology: A Text and Atlas, with Correlated Cell and Molecular Biology. Kierszenbaum A.L., Tres L.L. Histology and Cell Biology Peckham M. Histology at a Glance. Junqueira L.C., Carneiro J. Basic Histology
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Course - Program Learning Outcome Relationship

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

practice.	1	2	3	4
Course Learning Outcomes				
10) During dental practice, in cases such as abuse and addiction, performs the treatment by exhibiting the behaviors required by social ethics and legal rules, and collects and records the relevant data.				
11) Uses basic and current knowledge in the field of dentistry during professional practice for the benefit of society within the framework of national values and country realities.				
12) In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society				
13) Generates ideas regarding health policy in dentistry, prioritizes individual and public health, and carries out preventive and therapeutic medical practices within the framework of scientific, ethical, and quality processes.				
14) Differentiates the signs and symptoms commonly encountered in the dentistry profession, makes a treatment plan and refers when necessary, and manages diseases and clinical situations regarding their urgency and patient priority.				
15) Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.				

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice.	2
2)	Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	
3)	Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by analyzing and synthesizing it.	2
4)	Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level.	2
5)	Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations.	1

6)	Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms.	
7)	Within the framework of social, scientific, and ethical values including patient privacy, communicates with patients and their relatives, knows all the characteristics of the patient, and recommends the most appropriate treatment with a patient-centered approach.	
8)	Follows technological developments, participates in national and international studies, and shares and presents own observations, experiences, and research to further advance dental practices.	
9)	By adopting the principle of lifelong learning throughout the dentistry profession, follows current evidence-based dental knowledge and uses it during his professional practice.	
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11)	Uses basic and current knowledge in the field of dentistry during professional practice for the benefit of society within the framework of national values and country realities.	
12)	In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society	
13)	Generates ideas regarding health policy in dentistry, prioritizes individual and public health, and carries out preventive and therapeutic medical practices within the framework of scientific, ethical, and quality processes.	
14)	Differentiates the signs and symptoms commonly encountered in the dentistry profession, makes a treatment plan and refers when necessary, and manages diseases and clinical situations regarding their urgency and patient priority.	
15)	Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.	

Assessment & Grading

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

PERCENTAGE OF FINAL WORK		% 60
total		% 100

Workload and ECTS Credit Calculation

Activities	Number of Activities	Preparation for the Activity	Spent for the Activity Itself	Completing the Activity Requirements	Workload
Course Hours	2	2	2	2	12
Application	1	2	2	2	6
Study Hours Out of Class	1	2	30	2	34
Midterms	1	3	2	1	6
Final	1	3	2	1	6
Total Workload					64