

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

## Course Introduction and Application Information

Course Code:	UNI349		
Course Name:	Current Research in Cancer		
Semester:	Spring		
Course Credits:	<div>ECTS</div> <div>5</div>		
Language of instruction:	Turkish		
Course Condition:			
Does the Course Require Work Experience?:	No		
Type of course:	University Elective		
Course Level:	<div> <div>Bachelor</div> <div>TR-NQF-HE:6. Master`s Degree</div> <div>QF-EHEA:First Cycle</div> <div>EQF-LLL:6. Master`s Degree</div> </div>		
Mode of Delivery:	E-Learning		
Course Coordinator:	Doç. Dr. HURİ DEDEAKAYOĞULLARI		
Course Lecturer(s):	Huri Bulut		
Course Assistants:			

## Course Objective and Content

Course Objectives:	To give information about the definition of cancer, its formation and development mechanisms, and the latest developments in cancer research.
Course Content:	Gains analytical and critical thinking skills related to cancer.

## Learning Outcomes

The students who have succeeded in this course;

- 1) Will be able to explain the molecular biology, formation mechanisms and types of cancer.
- 2) Defines the cell cycle and cell checkpoints.
- 3) Explain the protooncogene, oncogene and tumor suppressor genes.
- 4) It can explain antiapoptotic mechanisms and metastasis events in cancer.
- 5) Explain the role of oxidant systems in cancer formation.
- 6) Explain the role of antioxidant defense system in cancer mechanism.
- 7) Explains current treatment methods in cancer.

## Course Flow Plan

Week	Subject	Related Preparation
1)	Cancer Cells and Cancer	Oxford Textbook of Cancer Biology
2)	Mutations in Cancer-1	Oxford Textbook of Cancer Biology
3)	Mutations in Cancer-2	Oxford Textbook of Cancer Biology, 2019
4)	Free radicals and cancer	Oxford Textbook of Cancer Biology, 2019
4)	Free radicals and cancer	Oxford Textbook of Cancer Biology, 2019

## Sources

Course Notes / Textbooks:	Oxford Textbook of Cancer Biology, 2nd edition, 2019 Öğretim Üyesine ait ders notları
References:	Oxford Textbook of Cancer Biology, 2nd edition, 2019 Öğretim Üyesine ait ders notları

## Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3	4	5	6	7
Program Outcomes							
1) Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice.							
2) Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.							
3) Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by							

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

and patient priority.							
<b>Course Learning Outcomes</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
15) Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.							

### Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice.	
2)	Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	
3)	Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by analyzing and synthesizing it.	
4)	Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level.	
5)	Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations.	
6)	Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms.	
7)	Within the framework of social, scientific, and ethical values including patient privacy, communicates with patients and their relatives, knows all the characteristics of the patient, and recommends the most appropriate treatment with a patient-centered approach.	
8)	Follows technological developments, participates in national and international studies, and shares and presents own observations, experiences, and research to further advance dental practices.	
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	the relevant data.	
11)	Uses basic and current knowledge in the field of dentistry during professional practice for the benefit of society within the framework of national values and country realities.	
12)	In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society	
13)	Generates ideas regarding health policy in dentistry, prioritizes individual and public health, and carries out preventive and therapeutic medical practices within the framework of scientific, ethical, and quality processes.	
14)	Differentiates the signs and symptoms commonly encountered in the dentistry profession, makes a treatment plan and refers when necessary, and manages diseases and clinical situations regarding their urgency and patient priority.	
15)	Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.	

### Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Homework Assignments	1	% 60
Seminar	1	% 40
<b>total</b>		<b>% 100</b>
PERCENTAGE OF SEMESTER WORK		% 100
PERCENTAGE OF FINAL WORK		%
<b>total</b>		<b>% 100</b>

### 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	1	0	14	14	28
Study Hours Out of Class	3	6	6	6	54
Homework Assignments	3	6	6	6	54

Total Workload	136
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