Course Syllabus

Code - Course Title	**BDY309 - Cancer and Nutrition**
Course Type	V. SEMESTER
Laboratory + Practice	2+0
ECTS	**3.0**
Language of Instruction	Türkçe
Course Type	Area Elective Courses
Course Instructor(s)	ÖĞR. GÖR. DR. EMRE ÇÖMLEKÇİ

Mode of Delivery	This course will only face-to-face training.
Place of Delivery	On Campus
Used Educational Platforms	Face-to-face
Prerequisites	There are no prerequisites or corequisites for this course.
Courses Recomended	Medical Biology and Genetics
Recommended Resources	Beslenmenin Kanser Tedavisindeki Gücü, Dilşat Baş, Destek Yayınları, 2016. Kanserde Beslenme Tedavisi, Prof. Dr. Gamze Akbulut, Eds., Ankara Nobel Yayınları, 2019.
Work Placement	Not applicable.
Aims of the Course	The objective is to acquire general knowledge and concepts regarding cancer, clinical oncology, treatment approaches, and the relationship between nutrition and cancer, as well as to comprehend nutritional principles in prevention and treatment.

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Cancer and carcinogenesis, Definition of cancer	
Week - 2		Definition and mechanisms of carcinogenesis	
Week - 3		Definition and mechanisms of carcinogenesis	
Week - 4		Genetic and environmental factors in carcinogenesis	
Week - 5		Genetic and environmental factors in carcinogenesis	
Week - 6		Cancer and energy intake	
Week - 7		Cancer and metabolism	
Week - 8		Cancer and macronutrients	
Week - 9		Cancer and macronutrients	
Week - 10		Cancer and micronutrients: Vitamins	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 11		Cancer and micronutrients: Minerals	
Week - 12		Cancer and functional diet components	
Week - 13		Cancer and phytochemicals	
Week - 14		Cancer and food additives	

Learning Outcomes

#	Learning Outcome
1	Knows cancer and cancer-related concepts.
2	Explain the functions and possible mechanisms of effective nutrients, nutrients and dietary components in cancer formation and during cancer.
3	Explains possible effective genetic and environmental factors in cancer formation.
4	The student knows the functions of nutrients, nutrient elements, and food components that are effective in cancer formation and throughout the course of the disease, and can utilize these nutrients, nutrient elements, and components in a manner that supports the individual's health.
5	The student will be able to identify nutritional support products developed for cancer patients and develop recommendations regarding appropriate product selection and dosage.

Sustainable Development Goals

✓ Health and Quality of Life

Course Theme

✓ Biotechnology and Genetics ✓ Health Sciences and Medical Technologies

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	2.00	14	28
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	1.00	14	14
Ödevler	0.00	0	0
Proje - Rapor - Sunum Hazırlama	1.00	14	14
Ara Sınav Hazırlığı (sınav süresi dahil)	1.00	14	14
Final Sınavı Hazırlığı (sınav süresi dahil)	0.00	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0.00	0	0
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**3.0**

Assessment Method and Passing Requirements

✓ Open-Ended Test ✓ Multiple Choice Test