Course Syllabus

Code - Course Title	**FKL527 - Cancer Pharmacology**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ ELİF KAYA TİLKİ

Mode of Delivery	The mode of delivery of this course is Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Recommended Resources	Bertram G. Katzung, Susan B. Masters. Temel ve Klinik Farmakoloji. Nobel Tıp Kitabevi, 2016.Bertram G. Katzung, Marieke Kruidering-Hall, Anthony J. Trevor. Katzung & Trevor's Pharmacology Examination and Board Review. McGraw-Hill Education, 2019.Francis P. Worden, Anthony J. Perissinotti, Bernard L. Marini. Cancer Pharmacology and Pharmacotherapy Review. Springer Publishing Company, 2016. Randa Hilal Dandan ve Laurence L. Brunton. Goodman (Çeviri ed. Ş. Remzi Erdem). Gilman'ın Farmakoloji ve Tedavi El Kitabı (2. Baskı). Güneş Tıp Kitapevi, 2017.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		The definition of cancer, cell cycles, control checkpoints	
Week - 2		Cell signalling system, growth factors ve cancer	
Week - 3		Protooncogene, oncogene ve tumor suppressor genes	
Week - 4		The interaction of cancer and telomerase, cancer and antiapoptotic mechansims	
Week - 5		The cell-cell and cell-matrix adhesions and their role in metastasis and angiogenesis	
Week - 6		Cancer epidemiology and the importance of genetic factors, the factors resulting in cancer development, chemical carcinogens, virus, bacteria and oncogenes	
Week - 7		Cancer epidemiology and the importance of genetic factors, the factors resulting in cancer development, chemical carcinogens, virus, bacteria and oncogenes	
Week - 8		DNA repairing mechanisms	
Week - 9		The essentials of cancer chemotherapy and antineoplasitc drugs	
Week - 10		The essentials of cancer chemotherapy and antineoplasitc drugs	
Week - 11		The classifications and effect mechanisms of antineoplastic drugs	
Week - 12		The side effects of antineoplastic drugs	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 13		Immunotherapy	
Week - 14		Immunotherapy	

Learning Outcomes

#	Learning Outcome
1	Explane Molecular biology of cancer, mechanisms of cancer and the types of cancer
2	be explane anti-apoptotic mechanisms and metastasis in cancer
3	be explane the essentialls of cancer chemotherapy and antineoplasitc drugs

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

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

Assessment Method and Passing Requirements

No content has been provided.