Course Syllabus

Code - Course Title	**FTE545 - Pharmaceutical Preformulation**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. EBRU BAŞARAN

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.
Courses Recomended	There is no recommended optional programme component for this course.
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Drug characterization on Pre-formulation	
Week - 2		Determining of Phsical and Chemical properties of Drug	
Week - 3		Researching of pharmacokinetic properties of drug	
Week - 4		Selecting of Pharmaceutical Form and preparing method	
Week - 5		Assay methods	
Week - 6		Assay methods	
Week - 7		Factorial Designs	
Week - 8		Packaging material	
Week - 9		Quality controls of product	
Week - 10		Drug stability	
Week - 11		Developing product	
Week - 12		Developing product	
Week - 13		Validation	
Week - 14		Discussion	

Learning Outcomes

#	Learning Outcome
1	evaluate the basic arrangements of drug characterization
2	evaluate The formulation steps.
3	test the stability of the pharmaceutical.
4	test the formulation specifications.
5	the Marketing programs .
6	define the adsorption isotherms.
7	summarize the technological applications of adsorption.
8	define the dansity and Housner index on powders.
9	evaluate the flow properties of powder drugs.
10	translate the methods used for changing of powder properties.
11	explain the important of porosity.
12	define the micromeritic and porosity.

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.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	40

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
Final Exam	1	60
	Sum (%)	**100**