Course Syllabus

Code - Course Title	**FTE539 - Polymers Used in Drug Delivery Systems**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. MÜZEYYEN DEMİREL

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.
Recommended Resources	Polymers in Drug DeliveryApurva Srivastava, Tejaswita Yadav, Soumya Sharma, Anjali Nayak, Akanksha Akanksha Kumari, Nidhi Mishra*Department of Applied Science, Indian Institute of Information Technology, Deoghat, Jhalwa, Allahabad, India.DOI: 10.4236/jbm.2016.41009 Liechty WB, Kryscio DR, Slaughter BV, Peppas NA. Polymers for drug delivery systems. Annu Rev Chem Biomol Eng. 2010;1:149-73. doi: 10.1146/annurev-chembioeng-073009-100847. PMID: 22432577; PMCID: PMC3438887.
Work Placement	N/A

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Physical and Chemical Properties of Polymers	
Week - 2		Classification of Polymers	
Week - 3		Biodegradable polymers	
Week - 4		Non-biodegradable polymers	
Week - 5		Hydrophobic polymers	
Week - 6		Polymeric Drug Delivery Systems	
Week - 7		Polymer Drug Interactions	
Week - 8		Characterization Studies of Polymeric Drug Delivery Systems	
Week - 9		Particle size analysis	
Week - 10		Zeta potential analysis	
Week - 11		Possible Changes That May Occur in the Polymeric Structure	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 12		Spectrophotometric analysis	
Week - 13		Literature discussion	
Week - 14		Literature discussion	

Learning Outcomes

#	Learning Outcome
1	Will have knowledge about polymers used in drug formulation.
2	Will have knowledge about polymer characterization used in drug formulation.

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.