Course Syllabus

Code - Course Title	**KİM671 - Liquid Chromatography I**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ ARIN GÜL DAL POÇAN

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	Skoog, D.A., Holler, F.J., Nieman, T.A. (1998), Enstrümantal Analiz İlkeleri, (Çev. Eds.: Kılıç, E., Köseoğlu, F., Yılmaz, H.), Bilim Yayıncılık, Ankara.
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to chromatographic separations	
Week - 2		Classification of chromatographic methods	
Week - 3		Column efficiency and band broadening	
Week - 4		Column performance	
Week - 5		Separation mechanisms	
Week - 6		Separation mechanisms	
Week - 7		Column and planar applications of liquid chromatography	
Week - 8		Paper chromatography	
Week - 9		Applications of paper chromatography	
Week - 10		Thin layer chromatography	
Week - 11		Applications of thin layer chromatography (Manual)	
Week - 12		Applications of thin layer chromatography (Instrumental)	
Week - 13		Column chromatography	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Applications of column chromatography	

Learning Outcomes

#	Learning Outcome
1	1. Will be able to evaluate the principles of liquid chromatography.
2	2. Will be able to evaluate column and planar applications of liquid chromatography.

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.