Course Syllabus

Code - Course Title	**KİM672 - Liquid Chromatography II**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. NAFİZ ÖNCÜ CAN

Mode of Delivery	Face to face
Prerequisites	None
Courses Recomended	Liquid Chromatography I
Recommended Resources	Yuri Kazakevich, Rosario LoBrutto (2007) HPLC for pharmaceutical scientists, John Wiley & Sons, Inc.Lloyd R.Snyder, Joseph J. Kirkland, John W. Dolan (2009) Introduction to modern liquid chromatography, John Wiley & Sons, Inc.Veronika R. Meyer (2010) Practical high-performance liquid chromatography, John Wiley and Sons, Ltd.
Work Placement	None

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to High Performance Liquid Chromatography	
Week - 2		Selection of Suitable Stationary and Mobile Phase	
Week - 3		Solvent Delivery Modules	
Week - 4		Column Types, Equivalency and System Suitability	
Week - 5		Column Types, Equivalency and System Suitability	
Week - 6		Chiral Analysis	
Week - 7		Detectors	
Week - 8		Sample Preparation and Injection	
Week - 9		Method Development and Applications	
Week - 10		Method Development and Applications	
Week - 11		Troubleshooting	
Week - 12		Troubleshooting	
Week - 13		Supercritical Fluid Chromatography	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Supercritical Fluid Chromatography Applications	

Learning Outcomes

#	Learning Outcome
1	will be able to evaluate the fundamental properties of high performance liquid chromatography.
2	will be able to evaluate method development steps.
3	will be able to evaluate supercritical fluid 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.