Course Syllabus

Code - Course Title	**KİM666 - Capillary Electrophoresis Practicals**
Course Type	II. SEMESTER
Laboratory + Practice	1+2
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. DİLEK AK

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	KİM628 Capillary Electrophoresis course is recommended for students.
Recommended Resources	Baker, D.R., (1995), Capillary electrophoresis, John Wiley&Sons; Inc., New York, A.B.D.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

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Literature research	
Week - 2		Setting capillary and window opening	
Week - 3		Capillary prewash procedures	
Week - 4		Optimization parameters	
Week - 5		Wavelength	
Week - 6		Selection of buffer	
Week - 7		Buffer concentration	
Week - 8		pH-Power of Hydrogen	
Week - 9		Organic solvent ratio	
Week - 10		Potential	
Week - 11		Injection time and pressure	
Week - 12		Internal standard	
Week - 13		Auto sampler	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Sequence analysis	

Learning Outcomes

#	Learning Outcome
1	1. Will be able to research about analysis.
2	2. Will be able to examine the optimization parameters.
3	3. Will be able to use the capillary electrophoresis equipment.

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.