Course Syllabus

Code - Course Title	**KOZ533 - Use of Biological/Biotechnological Products in Cosmetic Pro.**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. GÜLAY BÜYÜKKÖROĞLU

Mode of Delivery	Face to Face, online
Prerequisites	There is no any co-requisites
Courses Recomended	Molecular biology, Pharmaceutical Biotechnology
Recommended Resources	Books in the field of biotechnology
Work Placement	Absent

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Production Techniques of Biological/Biotechnological Products; Fermentation	
Week - 2		Recombinant DNA technology	
Week - 3		Recombinant DNA technology	
Week - 4		Biotechnological Products Used in Cosmetics	
Week - 5		Peptids and proteins	
Week - 6		Kojic Acid, Hyaluronic Acid	
Week - 7		Resveratrol, Growth Factors	
Week - 8		Enzymes, Botox, Vitamins, Salmon DNA	
Week - 9		Biological Products Used in Cosmetics	
Week - 10		Stem cells, Blood products	
Week - 11		Collagen, Snail mucus	
Week - 12		Marine organisms; algaes,	
Week - 13		Microbiota; Prebiotics, Probiotics	
Week - 14		Microbiota; Prebiotics, Probiotics	

Learning Outcomes

#	Learning Outcome
1	List the Production Techniques of Biological/Biotechnological Products
2	Reviews the Fermentation
3	Defines recombinant DNA technology
4	Counts Biotechnological Products Used in Cosmetics
5	Defines the structure of peptides and proteins
6	Explains the place of Kojic Acid, Hyaluronic Acid, Resveratrol in cosmetics
7	Explains Biological Products Used in Cosmetics
8	Stem cell explains cosmetic use of blood products
9	Collagen discusses the use of Snail mucus in cosmetology
10	Discuss the effects of microbiota used in cosmetics.

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.