Course Syllabus

Code - Course Title	**SER272 - Ceramic Technology and Applications II**
Course Type	IV. SEMESTER
Laboratory + Practice	2+2
ECTS	**4.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROFESÖR LALE DEMİR ORANSAY

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.
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Ceramic glazes; definition, properties, glaze - temperature relations.	
Week - 2		Ceramic glaze formulations.	
Week - 3		Glaze forming oxides and properties.	
Week - 4		Glaze materials.	
Week - 5		Seger formula calculation.	
Week - 6		I. Examination	
Week - 7		Glaze batch formula calculation.	
Week - 8		Glaze calculation from batch formula to seger empirical formula.	
Week - 9		Ceramic glazes classification.	
Week - 10		Triaxial glaze blends.	
Week - 11		Triaxial glaze blends.	
Week - 12		Laboratory Practice	
Week - 13		Glaze colarants (colarant oxides and carbonates).	
Week - 14		Colored Glaze Applications	

Learning Outcomes

#	Learning Outcome
1	Determine can be achieve glaze different mixing three materials which use in ceramic glazes at 1000 °C.
2	explain underlying raw materials of the ceramic.
3	perform the experiments mainly applied to the ceramic raw materials .

Sustainable Development Goals

✓ Quality Education

Course Theme

✓ Media, Design and Creative Arts

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	14.00	2	28
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	8.00	4	32
Ödevler	0.00	0	0
Proje - Rapor - Sunum Hazırlama	0.00	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	4.00	1	4
Final Sınavı Hazırlığı (sınav süresi dahil)	4.00	1	4
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	14.00	2	28
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**4.0**

Assessment Method and Passing Requirements

No content has been provided.