Course Syllabus

Code - Course Title	**UZM700 - Research in Area of Specialization**
Course Type	III. SEMESTER
Laboratory + Practice	5+0
ECTS	**4.5**
Language of Instruction	Türkçe
Course Type	Institute Specialization Field Course
Course Instructor(s)	PROFESÖR KEMAL ULUDAĞ, PROFESÖR EZGİ HAKAN, PROF. DR. MÜNEVVER ÇAKI, PROFESÖR SIDIKA SEVİM, PROFESÖR DUYGU KAHRAMAN

Mode of Delivery	Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Recommended Resources	* Internet Tarama motorları: 1) Google: http://www.google.com 2) Yahoo: http://search.yahoo.com * Literatür tarama adresleri: 1) PubMed: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi? 2) Web of Science: http://atlas.ulakbim.gov.tr/cgi-isi/CIW.cgi
Work Placement	Not Applicable

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Exchange information with the student on his/her areas of interest in order to define the scope of the thesis	
Week - 2		Evaluate the literature survey the student has done on the proposed research topic	
Week - 3		Evaluate hypotheses the student has put forward on his/her research topic. Decide on the hypothesis to be used in the thesis work.	
Week - 4		Decide on a research plan and equipment to be used in the thesis work in the light of the literature survey.	
Week - 5		Define experimental parameters to be used in the thesis work.	
Week - 6		Carry out studies for the supply of materials to be used in the thesis work.	
Week - 7		Carry out research work.	
Week - 8		Carry out research work.	
Week - 9		Carry out research work.	
Week - 10		Carry out research work.	
Week - 11		Carry out research work.	
Week - 12		Carry out research work.	
Week - 13		Carry out research work.	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Discussion of final results obtained from the research.	

Learning Outcomes

#	Learning Outcome
1	1. Be able to design an original scientific and artistic research topic. 1.1. Identify a research subject related to one of the branches of ceramics that interests them. 1.2. Discuss the fundamental knowledge related to the chosen subject. 1.3. Review and compile the current literature related to the subject. 1.4. Organize the compiled information. 1.5. Based on this knowledge, propose a hypothesis or an artistic problem in the field of ceramics that has not yet been studied. 2. Be able to structure the experimental and applied methods necessary to conduct research related to the proposed hypothesis or artistic problem. 2.1. Examine the methods previously used in relation to the selected ceramic subject. 2.2. Question the working principles of the techniques and equipment to be used in the research and application process. 2.3. Effectively use ceramic technologies and tools during the study. 2.4. Arrange the experimental and applied parameters. 3. Be able to analyze the data obtained from experimental and applied studies. 3.1. Organize the data obtained from the studies. 3.2. Discuss the methods by which the data can be analyzed. 3.3. Perform data analysis using appropriate methods. 3.4. Distinguish the significance of the analyzed data. 4. Be able to evaluate the analyzed experimental and applied data from both artistic and scientific perspectives. 4.1. Interpret the results obtained within the context of the field of ceramics. 4.2. Discuss the possible causes of the findings. 4.3. Question whether the findings correspond to the hypothesis proposed at the beginning of the study. 5. Be able to report the findings of the scientific and artistic study in light of their own evaluations. 5.1. Explain the principles of preparing a scientific report. 5.2. Prepare a text including the hypothesis, methods, findings, and evaluations of the research. 5.3. Discuss the contribution of the findings to the field within the prepared report. 5.4. Propose new research and application areas related to the subject based on the study and the obtained results.

Sustainable Development Goals

✓ Peace, Justice and Strong Institutions

Course Theme

✓ Media, Design and Creative Arts

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0.00	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0.00	0	0
Ödevler	0.00	0	0
Proje - Rapor - Sunum Hazırlama	0.00	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0.00	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0.00	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0.00	0	0
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**0.0**

Assessment Method and Passing Requirements

No content has been provided.