

Objectives of the Course

The aim of this course is to enable students to practically experience industrial production processes in ceramics. The course focuses on forming techniques for everyday objects such as teapots, plates, and vases, and helps students build a solid foundation in industrial production. Using multi-part mold techniques (2, 3, 4, and 5-part molds) and slip casting methods, students will gain the ability to transform functional forms into artistic ceramic designs.

Course Contents

Introduction to the industrial ceramic production process Demonstration of 2, 3, 4, and 5-part mold-making techniques Model preparation for teapots, vases, and plates Shaping by slip casting using the molds Surface cleaning and retouching after production Creating artistic ceramic designs through slip casting Firing and finishing procedures

Recommended or Required Reading

Metal scrapers Plaster and plaster buckets Sponges Liquid soap (used as a mold release agent) Mold boards Clamp Angled scrapers Wet sandpaper Dippers

Planned Learning Activities and Teaching Methods

Studio-based practical applications One-on-one demonstrations and guidance Group work and collaboration Critique and evaluation sessions Student presentations and weekly progress tracking

Recommended Optional Program Components

Students are expected to prepare their own models in advance. Those with sensitivity to plaster should take necessary precautions. The use of personal protective equipment (mask, gloves) is strongly recommended.

Instructor's Assistants

The course is conducted by faculty members specialized in industrial ceramic production. Teaching assistants provide individual support to students during hands-on demonstrations.

Presentation Of Course

The course is primarily conducted in a studio environment. Students learn mold-making and casting techniques through weekly hands-on sessions. Each week, specific forms are demonstrated, and students are encouraged to create their own ceramic pieces. In addition to practical work, technical knowledge is supported with brief theoretical presentations. The course is process-oriented and evaluated based on project outcomes. Active interaction between students and the instructor is emphasized throughout the course.

Dersi Veren Öğretim Elemanları

Dr. Öğr. Üyesi Serkan Tok

Program Outcomes

1. The student can identify the basic stages of the industrial ceramic production process.
2. The student can prepare 2 to 5-piece plaster molds and apply them in the casting process.
3. The student can shape functional ceramic forms such as teapots, plates, and vases with technical accuracy.
4. The student can transform industrial production techniques into artistic designs and present original works.
5. The student can interpret and propose solutions for advanced-level technical practices related to mold-making and casting processes.

Weekly Contents

Order	Preparation	Info	Laboratory	Teaching	Methods	Theoretical	Pra
1	Pre-class reading on mold systems and plaster behavior. https://dergipark.org.tr/tr/download/article-file/3491048 (s.115-124) https://dergipark.org.tr/tr/download/article-file/1578743 (s.60-62) https://earsiv.anadolu.edu.tr/xmlui/bitstream/handle/11421/26687/681751.pdf?sequence=1&isAllowed=y (s.22-24) https://acikbilim.yok.gov.tr/bitstream/handle/20.500.12812/611996/yokAcikBilim_10181365.pdf?sequence=-1(s.9-24)		Lecture, demonstration, hands-on studio practice.		Introduction to industrial ceramics; mo	principles of sur	two-part mold for making.
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Workload

Activities	Number	PLEASE SELECT TWO DISTINCT LANGUAGES
Vize	3	4,00
Final	3	4,00
Uygulama / Pratik	5	5,00
Ders Öncesi Bireysel Çalışma	6	5,00
Ders Sonrası Bireysel Çalışma	6	5,00
Uygulama / Pratik Sonrası Bireysel Çalışma	6	5,00

Assesments

Activities	Weight (%)
Final	60,00
Vize	40,00

	P.O. 1	P.O. 2	P.O. 3	P.O. 4	P.O. 5	P.O. 6	P.O. 7	P.O. 8	P.O. 9	P.O. 10	P.O. 11	P.O. 12	P.O. 13	P.O. 14	P.O. 15
L.O. 1	5	4	4	2	3	3	2	2	3	2	4	4	3	3	2
L.O. 2	5	4	5	3	4	3	3	2	3	2	5	4	3	4	3
L.O. 3	5	4	5	3	5	3	3	2	3	2	5	4	3	5	3
L.O. 4	5	3	5	4	5	3	3	3	3	3	5	4	3	5	4
L.O. 5	5	5	5	3	5	3	3	3	3	3	5	5	3	5	3

Table :

P.O. 1 : Sanat, tasarım ve seramik alanına yönelik donanıma sahip olma ve edindiği bilgileri uygulama becerisi

P.O. 2 : Araştırma, deneyimleme, analiz, değerlendirme ve yorumlama becerisi

P.O. 3 : Seramik alanının gerektirdiği kısıtlamaları göz önünde bulundurarak, ortaya konan sorun ve gereksinimleri karşılayacak bir ürünü/yapıtı ya da süreci tasarlama ve yaratma becerisi

P.O. 4 : Kendi alanını diğer disiplinlerle ilişkilendirerek bireysel ve grup içinde çalışma becerisi

P.O. 5 : Sanat ve tasarım sorunlarını belirleme, tanımlama ve çözme becerisi

P.O. 6 : Fikir ve sanat eserleri alanlarında mesleki ve etik sorumluluk bilinci

P.O. 7 : Etkin iletişim kurma ve kendini ifade edebilme becerisi

P.O. 8 : Sanat/tasarım çözümlemelerinin, evrensel ve toplumsal boyutlarda etkilerini anlamak için gerekli genişlikte eğitim

P.O. 9 : Yaşam boyu öğrenmenin gerekliliği, bilinci ve bunu gerçekleştirebilme becerisi

P.O. 10 : Çağın sorunları hakkında kendini geliştirebilme bilinci

P.O. 11 : Sanat ve tasarım uygulamaları için gerekli olan teknikleri ve yenilikleri kullanma becerisi

P.O. 12 : Araştırma yönü kuvvetli, teknolojik gelişmeleri takip eden ve alanına adapte edebilme bilinci

P.O. 13 : Sanat ve tasarım bilincini toplumla paylaşarak sosyal, kültürel ve toplumsal sorumlulukları kavrama, benimseme bilinci

P.O. 14 : Yaratıcılık sürecinde mesleki özgüvenle birlikte kavramsal bilgi birikimi ve becerileri pekiştirme bilinci

P.O. 15 : Sanatı ve tasarımını toplumsal bir sorumluluk boyutunda kavrayan ve alanına yönelik uluslararası gelişmeleri takip eden bireyler yetiştirmek

L.O. 1 : Öğrenci, endüstriyel seramik üretim sürecinin temel aşamalarını tanımlayabilir.

L.O. 2 : Öğrenci, 2 ila 5 parçalı alçı kalıpları hazırlayabilir ve döküm sürecinde kullanabilir.

L.O. 3 : Öğrenci, çaydanlık, tabak ve vazo gibi işlevsel seramik formları teknik doğrulukla şekillendirebilir.

L.O. 4 : Öğrenci, endüstriyel üretim yöntemlerini artistik tasarıma dönüştürerek özgün işler sunabilir.

L.O. 5 : Öğrenci, kalıp yapımı ve döküm süreçlerine ait teknik uygulamaları ileri düzeyde yorumlayabilir ve çözüm sunabilir.