

SER-111 - PROFESSIONAL TECHNICAL DRAWING I - Güzel Sanatlar Fakültesi - Seramik Cam Bölümü

General Info

Objectives of the Course

The aim of this course is to enable students to learn the principles of technical drawing and perspective, and to gain the ability to draw two- and three-dimensional objects with correct proportions and measurements

Course Contents

Definition and importance of technical drawing Drawing tools and line types Geometric drawing and dimensioning Orthographic projection and sectioning Perspective drawing techniques (one, two, and three-point perspective) Technical drawings of ceramic and design objects

Recommended or Required Reading

Technical Drawing, Mehmet Arslan, Arslan Publishing. 1995. Perspective Painting and Shadow Drawing Sadettin Çağlarca (2018) İNKILAP KİTABEVİ. T-square, triangle, compass, ruler, Pencil set (H, HB, 2B), eraser, Technical drawing papers (A3, A4), Colored pencils

Planned Learning Activities and Teaching Methods

Theoretical lectures, Studio workshops, Individual drawing practices.

Recommended Optional Programme Components

Regular attendance and bringing all drawing tools each week are mandatory.

Instructor's Assistants

there is no

Presentation Of Course

It is carried out in the form of theory and practice.

Dersi Veren Öğretim Elemanları

Res. Assist. Ferit Cihat Sertkaya

Program Outcomes

1. Can create accurate drawings using technical drawing rules and tools.
2. Can draw two- and three-dimensional objects by applying basic types of perspective.
3. Can represent ceramic and design objects using technical drawing language.

Weekly Contents

Order	PreparationInfo	Laboratory TeachingMethods	Theoretical	Practise
1	Research drawing tools and line types. Teknik Resim, Mehmet Arslan (1995), Arslan Yayıncılık. p.8	Lecture, Demonstration	Introduction to drawing tools and line types	Basic line drawing
2	Examine line types in technical drawings. Technical Drawing, Mehmet Arslan (1995), Arslan Publishing. p.25	Practice, Demonstration	Types of lines and their uses	Drawing with various line types
3	Examine geometric drawings related to lines. Technical Drawing, Mehmet Arslan (1995), Arslan Publishing House, pp. 27-47	Practice	Lines, circles, and planes Geometric drawings related to angles	Drawing circles, triangles, squares
4	Examine geometric drawings related to lines. Technical Drawing, Mehmet Arslan (1995), Arslan Publishing House, pp. 27-47	Practice Lecture, Practice	Lines, circles, and planes Geometric drawings related to angles	Drawing circles, triangles, squares
5	Examine geometric drawings related to lines. Technical Drawing, Mehmet Arslan (1995), Arslan Publishing House, pp. 27-47	Practice	Oval drawings Ellipse drawings	Oval drawings Ellipse drawings application

Order	PreparationInfo	Laboratory TeachingMethods	Theoretical	Practise
6	Examine geometric drawings related to lines. Technical Drawing, Mehmet Arslan (1995), Arslan Publishing House, pp. 27-47	Lecture, Practice	Oval drawings Ellipse drawings	Oval drawings Ellipse drawings application
7	Review examples of geometric drawings. Technical Drawing, Mehmet Arslan (1995), Arslan Publishing. p.51-61	Individual Practice	View extraction Definition and classification of the concept of projection Definition and types of projection planes Definition of view Types of view Rules for view extraction	View extraction Definition and classification of the concept of projection Definition and types of projection planes Definition of view Types of view Rules for view extraction Making practical drawings
8			midterm exam	
9	Examine types of perspective. Technical Drawing, Mehmet Arslan (1995), Arslan Publishing. p.171-174	Demonstration, Practice	Perspective types and principles	One- and twopoint perspective drawing
10	Study spatial perspective methods. Technical Drawing, Mehmet Arslan (1995), Arslan Publishing. p.171-174	Practice	3D object visualization	Volumetric perspective drawing
11	Learn rules of sectioning. Technical Drawing, Mehmet Arslan (1995), Arslan Publishing. p.113-118	Demonstration, Practice	Section types: Full section	Drawing full section views
12	Review previous sectioning examples	Practice	Full section applications	Object-based section drawing
13	Study half and regional sections. Technical Drawing, Mehmet Arslan (1995), Arslan Publishing. p.113-118	Lecture, Practice	Half and brokenout section	Drawing half section
14	Review all sectioning methods. Technical Drawing, Mehmet Arslan (1995), Arslan Publishing. p.171-174	Practice	Section drawing practice	Detailed section drawings
15	Repeat the previous examples.	Application of Narration Method	Review of general topics before the final exam.	Review of general topics before the final exam.

Workload

Activities	Number	PLEASE SELECT TWO DISTINCT LANGUAGES
Vize	1	1.00
Final	1	1.00
Proje	2	3.00
Ara Sınav Hazırlık	3	5.00
Final Sınavı Hazırlık	3	4.00
İnceleme/Anket Çalışması	4	4.00
Derse Katılım	15	2.00
Seminer	2	4.00
Ödev	5	4.00
Ders Sonrası Bireysel Çalışma	2	4.00

Assesments

Activities	Weight (%)
Vize	40.00
Final	60.00

	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	3	2	1	3	2	2	1	1	1	5	3		4	2
L.O. 2	4	2	3	2	3	1	2	1	1	1	4	2	1	3	2
L.O. 3	5	3	4	2	4	2	3	2	1	1	5	3	2	4	3

Table :

- P.O. 1 :** Have knowledge in the fields of art, design and ceramics, as well as the skills to put this knowledge in practice
- P.O. 2 :** Have research, experimentation, analysis, evaluation and interpretation ability
- P.O. 3 :** Design and create a product / a work / a process that will meet the need or propose a solution to a problem, taking into account the restrictions arising in the field of ceramics
- P.O. 4 :** Have the ability to working groups or individually relating their field knowledge with other disciplines
- P.O. 5 :** Determine, describe and propose solutions to problems in the art and design of ceramics
- P.O. 6 :** Have professional and ethical responsibility in intellectual and artistic works
- P.O. 7 :** Communicate effectively and express themselves verbosely
- P.O. 8 :** Understand the impact of art and design solutions at a global and societal level
- P.O. 9 :** Have a full understanding of the necessity of life long learning and are equipped with the skills and an awareness of sustaining it
- P.O. 10 :** Develop a self-awareness of contemporary issues
- P.O. 11 :** Use the necessary techniques and innovations required for art and design applications
- P.O. 12 :** Sustain a strong research orientation, and show determination and willingness to adapt technological developments in ceramics
- P.O. 13 :** Share an awareness of art and design in the community with an understanding and adaption of social and cultural responsibilities
- P.O. 14 :** Show professional self-confidence with a conceptual knowledge in creativity processes
- P.O. 15 :** Follow international developments, realize art and design as a social responsibility
- L.O. 1 :** Can create accurate drawings using technical drawing rules and tools.
- L.O. 2 :** Can draw two- and three-dimensional objects by applying basic types of perspective.
- L.O. 3 :** Can represent ceramic and design objects using technical drawing language.