

School of Fine Arts Design and Architecture / Industrial Design

2023 - 2024 Academic Year

GLASS DESIGN and PRODUCTION TECHNIQUES

Syllabus

| Course Description | | | | | |
|---|---|--------------------------------|-------------------------|---------------------------|-------------|
| Name | Code | Semester | T+A Hour | Credit | ECTS |
| GLASS DESIGN and PRODUCTION TECHNIQUES | EUT3215559 | Spring Semester | 2+1 | 2,5 | 3 |
| Prerequisites Courses | | | | | |
| Recommended Elective Courses | | | | | |
| Language of Instruction | Turkish | | | | |
| Course Level | First Cycle (Bachelor's Degree) | | | | |
| Course Type | Elective | | | | |
| Course Coordinator | Assist.Prof. Seher Oya AKMAN | | | | |
| Name of Lecturer(s) | Assist.Prof. Seher Oya AKMAN | | | | |
| Assistant(s) | | | | | |
| Aim | This lecture aims to gain a general historical knowledge about glass design, to have an extensive knowledge about glass production, to have knowledge about glass designs and designers also to perform glass design applications. | | | | |
| Course Content | This course contains; Definition of glass, formulas, types and coloring,Blowing techniques, automatic production, technics and machinery,,Project: Bottle and glass design,Brand development processes,Bottle and cup design research,Bottle and cup design,Production details,Model construction,Flat glass and glass fiber production techniques,Press technique, machines, mold systems, glass product samples,Standing cup machines, mold systems centrifugal technique, samples,Preliminary researches and principles on design of press plates and cups,Press plates,Standing Cup Design. | | | | |
| Course Learning Outcomes | | | Teaching Methods | Assessment Methods | |
| 1. Learn basic knowledge about glass design in general | | | 13, 37, 6, 9 | F | |
| 2. Extend their theoretical knowledge about glass production methods | | | 13, 37, 6, 9 | F | |
| 3. Improve their knowledge about glass design an designers | | | 13, 37, 6, 9 | F | |
| 4. Design and produce new glass objects by the light of this background | | | 13, 37, 6, 9 | F | |
| Teaching Methods | 13: Case Study Method, 37: Computer-Internet Supported Instruction, 6: Experiential Learning, 9: Lecture Method | | | | |
| Assessment Methods | F: Project Task | | | | |
| Lecture Schedule | | | | | |
| Sequenc e | Topics | Preliminary Preparation | | | |
| 1 | Definition of glass, formulas, types and coloring | | | | |
| 2 | Blowing techniques, automatic production, technics and machinery. | | | | |
| 3 | Project: Bottle and glass design | | | | |
| 4 | Brand development processes | | | | |
| 5 | Bottle and cup design research | | | | |
| 6 | Bottle and cup design | | | | |
| 7 | Production details | | | | |
| 8 | Model construction | | | | |
| 9 | Flat glass and glass fiber production techniques | | | | |
| 10 | Press technique, machines, mold systems, glass product samples | | | | |
| 11 | Standing cup machines, mold systems centrifugal technique, samples | | | | |
| 12 | Preliminary researches and principles on design of press plates and cups | | | | |
| 13 | Press plates | | | | |
| 14 | Standing Cup Design | | | | |
| Evaluation Methods | | Weight(%) | | | |
| Midterm Exam | | 50 | | | |
| General Exam | | 50 | | | |
| Resources | | | | | |
| Lundstrom, B., 1989, Glass Casting and Moldmaking, Camp Colton: Vitreous Publication Inc.. Frantz, S. K., 1989, Contemporary glass, Corning Museum of Glass. Lundstrom, B., and Schwoerer, D., 1987, Glass Fusing, Camp Colton: Vitreous Publication Inc. Blanche Craig, 2008, Contemporary Glass, Black Dog | | | | | |