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<http://www.youtube.com/watch?v=nqoRtNXqX9I>



African Homes. Kuntsmuseum Dusseldorf Collection, Germany

**CV01 GLASS SCULPTURE COURSE**  
**CV02 GLASS SCULPTURE ADVANCED COURSE**  
**REALIZATION OF PROJECTS IN GLASS**  
**CV03 BASIC COURSE FOR FUSING AND KILN FORMING TECHNIQUES**

Teacher: Pilar Aldana-Méndez

Conditions of access to the course: No previous experience required

Maximum number of students: CV01-CV02 1 to 4 students, CV03 1 to 10 students

The teacher is an active sculptor specialized in the techniques being taught.  
Workshop in the midst of nature equipped with appropriate tools and spaces.  
Transport from the nearest train stations at the beginning and end of the course.  
Accommodation in the farmhouse during the period of the course.  
Possibility to use the workshop as student in practice after the course.

**Description of the Glass Sculpture Courses CV02 CV01**

"Glass as final material to give form to an idea, to a creation."

Solid glass, a little known material in the world of sculpture, has marvelous possibilities. The course opens the doors to this technique teaching the steps to elaborate sculptures in solid glass through the technique of Casting: melting the glass in quartz moulds. The technique is known as mould melting, also as Pâte-de-Verre, a term only suitable for pieces made from granulated or powdered glass.

Courses addressed to people interested in glass sculpture with or without previous knowledge of glass techniques.

The course focuses the attention in sculpture in glass, volume and form. We study glass as sculptural material, its characteristics and behavior: transparency, light, optical effects, compatibility, devitrification, etc.

Complete exercises are made following all the processes until the sculptures are done. Students receive theory about use of kilns with programmer, curves for different types of glass and final processes for polishing the glass pieces. For long period courses (6 days) students get to know other glass techniques, history of glass and glass sculpture.



Basically the course steps are: model a form in clay or prepare a form in other material, make the adequate quartz mould, prepare glass - raw material - and melt it in the mould using a special kiln available in the workshop. Once the piece is melted, the mould must be destroyed to continue with the processes of cutting and polishing. The technique requires a lot of attention because each step is essential to achieve optimum results.

#### Practical content:

Design of projects according to the suggested exercise, analysis to find the best solutions.

Creation of the three-dimensional positive form of the work to be undertaken: modeling in clay, use of polystyrene, paper, wax and other three-dimensional reproduction methods, depending on the exercise.

Detailed characteristics of the moulds: open - one part moulds (CV01 Initial course), multiple parts moulds (CV02 Advanced course). Making, cleaning and repairing moulds.

Handling of glass to fill the moulds according to the exercise: cut or reduce to different sizes, use of color, measurement methods, cleaning, different ways to place glass into moulds, the use of deposits and others.

Proper use of the kiln, use of the programmer and proper location of the moulds according to the characteristics of the kiln, the moulds and the glass. Use and protection of ceramic plaques and internal construction of the oven.

Working with the kiln: Monitoring the fusion process, high temperature handling, control and decisions for the exercise, control of annealing.

Destruction of moulds to remove the glass pieces, ideas for recycling materials, cleaning glass, cleaning and care of the kiln.

Application of manual polishing techniques to finish the works using abrasive materials in different supports.

Technical and conceptual evaluation of the pieces made. Students will acquire technical skills developing their own ideas during the course and analyzing the results of own works and colleagues works. Students will acquire knowledge to carry out their own projects for glass sculpture.

Students in an introductory course (CV01) can make one or two works. The advanced course (CV02) students will perform their works according to the proposed projects.

Students will receive a complete dossier with detailed descriptions for each step.

#### Theoretical contents and research (contents depend on the duration of the course):

Introduction to the world of glass and glass sculpture in the context of contemporary art through videos, images, web pages and bibliography. Students have access to the teacher's library. Q&A sessions based on students research and works performed during the course.

Behaviors and characteristics of optical glass, transparency, opacity, composition, weight, compatibility, expansion coefficients, melting and annealing temperatures, devitrification, tensions, colored -stained- glass.

Theoretical notions of other glass working techniques, cold processes for polishing and finishing, through images and visits to other workshops.

Modern industrial process, glass technology, use of glass in architecture and application in other technologies, through images and visits to industries.

Different types of glass, use of specific tools, materials, kilns and programmers. Students will receive a providers' guide with contact information, web pages and current prices.

#### CV02 Advanced Course. Glass Sculpture projects:

Approach, analysis and implementation of student's projects.

Includes the creation of projects through drawings or clay models, analysis and adequacy of the ideas to the technique, the selection of equipment, preparation of the tool kit and realization of projects.

The students make creative exercises moving around the complexity of the technique.

#### Basic Course for Fusing and kiln shape techniques CV03

Introduction to flat glass cutting techniques, use of different types of glass and different formats, handling of kiln and programmer, knowledge of insulating materials, preparation of moulds and assemblies with other materials for kiln forming flat glass. Making art works, jewelry and utilitarian objects.

### **Objectives**

Recognize glass as a special material for artistic expression.

Learn a complex technique that allows innovation in the world of sculpture.

Learn to raise glass projects using its features.

Learning to solve a work: performing the type of mould required, selecting the most appropriate glass, selecting the right glass temperature curves according to the characteristics of the mould and the glass.

Proper use of kilns and programmers.

Having the ability to finish a work with hand tools.

Learn about other hot and cold glass techniques.

Know industrial processes and its applications.

Access to workshops, industries and suppliers in the area.

Developing an interest in glass art made in Europe and worldwide.

Enjoy specialized information in books, magazines and websites.

### **Conditions of the Sculpture Center**

- . Courses are offered for individuals or groups up to 4 students (or more).
- . The dates and duration of the course are decided by the students depending on the free dates of the workshop (open all year - check availability).
- . The development of a particular project will be decided in advance with the student as well as time, materials and processes to be included. I will provide an initial cost estimation of the course that may have some variations according to the selected processes.

## Course Fee for one person – ask for reductions for groups

The price for courses CV01 and CV03 include materials for exercises, use of tools and use of nonrenewable materials. Includes visits to industry, sculptors, galleries and museums in the area for the courses of 6 or more days.

There will be another prices for the realization of projects for the advanced course CV02 that will be adjusted according to individual needs, the use of kilns and the use of special materials. The students must bring the glass they want to use; the center can sell only the glass that is used for courses.

| <b>CV01 – CV03 6 days</b>                                     | <b>Period</b>                                  | <b>Price</b>                                |
|---|--|---|
| <b>PRACTICE + THEORY</b>                                      | 6 days / 8 hours day                           | 650 euros                                   |
| <b>KILN 3 days Indicative</b><br><b>KILN 1 day indicative</b> | Big Kiln / Small Kiln<br>Big Kiln / Small Kiln | 120 euros / 40 euros<br>65 euros / 25 euros |
| <b>MONOGRAPHIC COURSE</b>                                     | Day extra                                      | 100 euros day                               |
| <b>PRACTICE WITHOUT TEACHER</b>                               | Day extra                                      | 30 euros day                                |
| <b>TEACHER / TUTOR</b>  | Hours Tutor during practice                    | 18 euros hora                               |
| <b>LODGING</b><br><b>Indicative 1 night 20 euros</b>          | 6 nights<br>7 nights                           | 100 euros<br>115 euros                      |

| <b>CV01 – CV03 3 days</b>                                     | <b>Period</b>                                  | <b>Price</b>                                |
|---|--|---|
| <b>PRACTICE + THEORY</b>                                      | 3 days / 8 hours' day                          | 330 euros                                   |
| <b>KILN 3 days indicative</b><br><b>KILN 1 day indicative</b> | Big Kiln / Small Kiln<br>Big Kiln / Small Kiln | 120 euros / 40 euros<br>65 euros / 25 euros |
| <b>MONOGRAPHIC COURSE</b>                                     | Day extra                                      | 100 euros day                               |
| <b>PRACTICE WITHOUT TEACHER</b>                               | Day extra                                      | 30 euros day                                |
| <b>TEACHER / TUTOR</b>  | Hours Tutor during practice                    | 18 euros hora                               |
| <b>LODGING</b><br><b>Indicative 1 night 20 euros</b>          | 2 nights<br>3 nights                           | 35 euros<br>50 euros                        |

| <b>CV02 – 6 days</b>                             | <b>Period</b>                     | <b>Price</b>                               |
|--|-----------------------------------|--|
| <b>REALIZATION OF PROJECTS</b>                   | 6 days / all day                  | 150 euros – atelier<br>(without materials) |
| <b>HOURS TUTOR Optional</b>                      | 10 hours Tutor Extra              | 120 euros – tutor optional                 |
| <b>KILN 3 days Indicative</b>                    | Big Kiln /Small Kiln              | 120 euros /40 euros                        |
| <b>MONOGRAPHIC COURSE</b>                        | Day extra                         | 100 euros day                              |
| <b>PRACTICE WITHOUT TEACHER</b>                  | Day extra                         | 30 euros day                               |
| <b>TEACHER / TUTOR</b>                           | Hours Tutor during practice       | 18 euros hora                              |
| <b>COST OF MATERIALS FOR PROJECTS Indicative</b> | 2 sculptures<br>Size aprox. 30 cm | 60 euros                                   |
| <b>LODGING Indicative 1 night 20 euros</b>       | 6 nights<br>7 nights              | 100 euros<br>115 euros                     |

| <b>CV02 – 20 days</b>                            | <b>Period</b>                     | <b>Price</b>                               |
|--|-----------------------------------|--|
| <b>REALIZATION OF PROJECTS</b>                   | 20 days / all day                 | 360 euros – atelier<br>(without materials) |
| <b>HOURS DE TUTOR . Optional</b>                 | 30 hours Tutor Extra              | 360 euros – tutor                          |
| <b>KILN 3 days Indicative</b>                    | Big Kiln /Small Kiln              | 120 euros /40 euros                        |
| <b>COST OF MATERIALS FOR PROJECTS Indicative</b> | 5 sculptures<br>Size aprox. 30 cm | 150 euros                                  |
| <b>LODGING Indicative 1 night 20 euros</b>       | 20 nights                         | 300 euros                                  |

Payment Terms: 50% to set the reservation and 50% at the beginning of the course.

Each extra day of monographic course is 100 euros.

Each extra day of practice is 30 euros (without teacher).

Each extra hour of teacher traineeships is at 18 euros.

Accommodation - Students can stay in the house or in the studio (demand information for accommodation ad food – optional) – Price out of the class price.

The course can take place at the sculptor's or may be issued in another workshops on request with a kiln for glass or ceramics and tables to work.

Please send your requests for details, location, inscription and accommodation-food.

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