

الدورة التدريبية الأولى حول الحفاظ على الرسومات الجدارية

UNESCO - ISCR PROJECT

*Introductory training on Conservation of movable property
(on site/in museum/storage collection) in Libya*

First Training Course Copper and its Alloys Conservation

Theoretical session

June 8, Saturday

09.00-10.00	Programme presentation	Barbara Davidde Adel El Turki	Classroom
10.00-10.15	Coffe Break		
10.15-13.00	Chemical structure and composition of artificial and inorganic stones. Mortars used in antiquity. Basic analytical methodologies used in the study of mortars	Adel El Turki	Classroom
14.30-17.30	The treatment of a large bronze statue: the Satyr of Mazara del Vallo - part 1	Barbara Davidde	Laboratory

June 9, Sunday

09.00-10.00	Principles of conservation of Cultural Heritage: presentation of case studies	Barbara Davidde	Classroom
10.00-10.15	Coffee Break		
10.15-13.00	Chemical structure and composition of artificial and inorganic stones. Constituent materials: general classification of stone, igneous, sedimentary, metamorphic rocks: classification methods of studies and identification. Basic analytical methodologies used in the study of rocks	Adel El Turki	Classroom
14.30-17.30	The treatment of a large bronze statue: the Satyr of Mazara del Vallo - part 2	Barbara Davidde	Laboratory

June 10, Monday

9.00-10.00	Principles of conservation of Underwater Cultural Heritage: presentation of case studies	Barbara Davidde	Classroom
10.00-10.15	Coffe Break		
10.15-13.00	Copper and its alloys - Technical execution	Adel El Turki	Classroom
14.30-17.30	The nature of clay bodies: mineralogical and	Adel El Turki	Laboratory

	technical characteristic of clay, coatings. Chemical structure and composition, physical properties of glass, technology of glass production. Basic analytical methodologies used in the study of glass and ceramics.		
June 11, Tuesday			
09.00-10.00	Constituent materials: the nature of copper and copper alloys, chemical structures and composition, physical properties.	Adel El Turki	Classroom
10.00-10.15	Coffee Break		
10.15-12.00	Bronze corrosion products. Basic analytical methodologies used in the study of bronze.	Adel El Turki	Classroom
12.00-13.00	Cases of study	Chiara Dezzi Bardeschi	
14.30-17.30	Villa Silin : Site tour ISCR first Aid intervention	Adel El Turki Angelica Pujia	Laboratory
June 12, Wednesday			
9.00-11.00	Techniques of Chemical Analysis on materials	Adel El Turki	Classroom
11.00-11.15	Coffee Break		
11.15-13.00	Chemical structure and composition of supports, preparatory layers and technology of wall paintings production (fresco, tempera and mixed techniques). Basic analytical methodologies used in the study of wall paintings. Mortars used in antiquity.	Adel El Turki	Classroom
14.30-17.30	Copper and its alloys - Restoration treatments - practical sessions	Domizia Colonnello	Laboratory
Practical session			
June 13, Thursday/June 27, Thursday			
09.00-13.00	Copper and its alloys - Restoration treatments - practical sessions	Domizia Colonnello	Laboratory
14.30-17.30			
June 29, Saturday/July 4, Thursday			
09.00-13.00	Copper and its alloys - Restoration treatments - practical sessions	Domizia Colonnello	Laboratory
14.00-17.00			
Conclusion			
July 6, Saturday			
10.00- 13.00	Closing ceremony, deliver of diplomas		Conference room
14.00-17.00			