



Online Courses  
**ADVANCED COURSE IN BIOARCHAEOLOGY**



**Duration: 25 h, Regular price: € 175 Returning participants: € 140**

**1. Advanced osteotaphonomy**

- Mummification (natural and intentional)
- Saponification
- Fossilization

**Funeral practices and types of burials**

- Inhumation. Primary and secondary burials.
- Commingled remains. Ossuaries. Multiple burials. Catastrophes. Battlefields. Collections.
- Estimation of Minimal Number of Individuals.
- **Laboratory practice**

**2. Funeral practices and types of burials – cremations**

- Cremation in different cultures and periods
- Cremation in archaeological and forensic contexts
- Excavation of an urn
- Osteological analysis of cremation
- Identification of non-human and non-biological remains
- Reconstruction of the funeral practice based on the analysis of the skeletal remains



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### 3. Osteometry

- Metric data. Anthropological instruments. Laboratory sheets and computer programs for data collection.
- Estimation of Stature. Methodology. Computer programs
- Calculation of Robustness and Lateral Asymmetry
- **Laboratory practices**

### 4. Estimation of sex and age in adults

- Different methods of sex estimation.
- Sexual Dimorphism in the cranial and postcranial skeleton
- Age groups. Difference between chronological and biological age. Reliability of age estimation methods.

### 5. Introduction to Archaeozoology and Archaeobotany

- Identification. Excavation. Sampling.

### 6. Study and analysis of non-adult skeletons

- Anatomical bases to distinguish between adult and non-adult human remains
- Biological categories in age groups for nonadults
- Tooth eruption and dental pathologies in non-adults
- Estimation of sex and of the age of death
- **Laboratory practices**



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### 7. Dental anthropology

- Development and growth. Age estimation.
- Cultural treatments. Activity markers. Intentional dental modification.
- Tooth wear
- Dental pathologies
- **Laboratory practices**

### 8. Activity markers

- Musculoskeletal stress markers. Degenerative joint changes
- Morphological changes of a functional nature
- Fractures due to overload
- Ossifications and calcifications
- Changes at enthesis level
- Different methodologies in analyses
- **Laboratory practices**

**DISCOUNT**

**Special discount for 2 courses joined – 20% off!**



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**9. Introduction to multidisciplinary in the study of human skeletal remains**

- Molecular Osteology. DNA. Isotopes. Sample extraction methods
- Paleoparasitology. Sample extraction methods

**10. Most frequent pathologies**

- Most frequent diseases in human history
- Pseudopathology/pathology and cultural practices
- Osteological paradox
- What diseases can leave traces on the bones
- What diseases can be found in mummified remains
- How to recognize, record, and photograph pathologies

**11. Traumas and use of Paleoradiology in archaeological context**

- Type of Fractures. Dislocations. Trepanations.
- Paleoradiology: Micro CT. CT. X rays

**12. Final remarks**

- How to gather all the information obtained and write an anthropological report. Examples.