

# Initiation aux techniques physico-chimiques de laboratoire

**Lecturer**

Marie-Paule DELPLANCKE (Coordinator)

**Course mnemonic**

HAAR-B4055

**ECTS credits**

5 credits

**Language(s) of instruction**

French

**Course period**

Second term

« Electrochemical Methods in Archaeometry, Conservation and Restoration », A. DOMENECH-CARBO, M.T. DOMENECH-CARBO, V. COSTA, editor E. SCHOLZ, Springer, Berlin, 2009

« Analytical Techniques in Materials Conservation », Barbara STUART, Wiley, Chichester, 2007

« Modern analytical methods in Art and Archaeology », Editors E. CILIBERTO, G. SPOTO, 2000

## Other information

### Contact(s)

Prof. Marie-Paule Delplancke: phone 02/6502902; email: mpdelpla@ulb.ac.be; office UD1-115; secretary office: phone 02/6502952

## Course content

Introduction to the methods based on visible light, electrons, and X-rays. Illustration with examples on archaeological artefacts.

## Objectives (and/or specific learning outcomes)

Introduce the students to archaeometry and to the advantages and disadvantage of a few methods.

Provide to the students a basic knowledge allowing them to dialog constructively with scientists in charge of analysis and to analyse critically the scientific part of the papers.

## Teaching method and learning activities

formal (ex-cathedra) for 16 hrs and illustration in the laboratory for 8-9 hours.

## References, bibliography and recommended reading

« Analytical Chemistry in Archaeology », A. Mark POLLARD, Catherine BATT, Ben STERN, Suzanne M.M. YOUNG, Cambridge Manuals in Archaeology, Cambridge University Press, 2007

« Archaeological Chemistry », A. Mark POLLARD, Carl HERON, 2nd Edition, RSC Publishing, Cambridge, 2008

## Evaluation method(s)

Other

### Evaluation method(s) (additional information)

oral presentation of a individual work on one or more papers chosen by the student. The written version and the papers have to be provided to the teacher one week prior to the oral examination.

### Determination of the mark (including the weighting of partial marks)

The final note takes into account the oral presentation and the quality of the written report.

### Main language(s) of evaluation

French

## Programmes

Programmes proposing this course at the faculty of Philosophy and Social Sciences

MS-ARCS | Specialized Master in Archaeological Science | unit U