

# **SYLLABUS**

## **SUBJECT**

Microarchaeology  
(in English)

## **TEACHER**

Dr. Joanna Trąbska

## **COURSE DESCRIPTION**

Recognition, research methods and interpretation of micro-traces on archaeological sites: phytolites, charcoal, faunal remains (bones, shells), inorganic remnants (powdery concentrations); material heated and transformed post depositionally. Interpreting of microscopic and micro-chemical data. Case studies. Practice with polarising microscope (PLM).

## **ECTS**

4

## **LEARNING OUTCOMES**

Recognition of micro-material with PLM, scanning microscope, spectroscopic methods and X-Ray diffraction. Interpretation of geochemical data.

## **GRADING POLICY**

credit with grade

## **TIMETABLE**

15 hours / summer semester

## **TEXTBOOK AND REQUIRED MATERIALS**

Periodicals:

- Archaeometry,
- Journal of Archaeological Science,
- Geoarchaeology,
- Journal of Human Evolution
- any handbook on geochemistry, palaeobotany, instrumental analysis,
- Weiner S. 2010: Microarchaeology: beyond the visible archaeological record, Cambridge.
- Reed S.J.B. 2005, Electron Microprobe Analysis and Scanning Electron Microscopy in Geology, Cambridge.

## **PREREQUISITES**

Basic physics, chemistry and mathematics. Basic archaeometry.