

Level: master				
Course title: Methods of paleoclimate reconstruction				
Status: elective				
ECTS: 5				
Requirements: none				
Learning objectives Students will be introduced to the basic methods of paleoclimatic and paleoecological reconstructions in marine and terrestrial environments.				
Learning outcomes After successfully completing the course the students are expected to: Better understand paleoclimatic and paleoecological fluctuations especially during the Quaternary; Determine paleoecological and paleoclimatic changes based on results obtained by various measurements.				
Syllabus <i>Theoretical instruction</i> Paleoclimate and paleoecological archives, dating methods, ice cores, deep sea sediments and terrestrial archives, microfossils, palynological sequences, malacology, dendroclimatology. <i>Practical instruction</i> Analysis of the results obtained by various measurements, different statistical and mathematical methods used to analyze the results.				
Weekly teaching load				Other:
Lectures: 2	Exercises: 2	Other forms of teaching:	Student research:	