



Module Handbook

Palaeolithic Archaeology

Multiple-Master degree Program
Aix-Marseille / Rome / Tübingen – Witwatersrand
(ART-W)

Winter term 2023/24

Version: September 2023

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1. Descriptions

The international and research-oriented two-year master's program in Palaeolithic Archaeology is established by the Universities of Aix-Marseille (France), Rome (Italy) and Tübingen (Germany) within the European alliance of 10 universities called CIVIS (<https://civis.eu/de>). The aim of this program is to provide students with a multidisciplinary, international, multilingual and comprehensive training in the disciplines related to Palaeolithic Archaeology. The core of Palaeolithic archaeology is to understand the diversity and the variability of past human cultures through time and space, as well as the factors, which might have influenced cultural evolution. Courses of this master's program will explore for instance the diversity of environments occupied by Palaeolithic groups and associated cultural expressions. As Palaeolithic archaeologists designing this new master's program, we understand multiculturalism in its broadest sense, not only in terms of diversity of past human cultures across space and time, but also beyond the range of human culture itself.

This master's program is called "ART-W" in reference to the three partner universities in Europe (Aix-Marseille, Rome and Tübingen) and the African partner university (University of the Witwatersrand, Johannesburg, South Africa). The letters also stand for "Academics", "Research", "Teaching" and "Workshops".

The goals of the ART-W master's program are

- to create a synergetic university alliance for multidisciplinary education and research;
- to establish multidisciplinary research collaborations and exchanges;
- and to offer a wide range of classes on Palaeolithic Archaeology.

This program requires physical mobility of students between the three universities in Europe, as well as optional physical mobility to the African partner university. ART-W is designed as an independent master's program, building upon existing master's programs in Aix-Marseille, Rome and Tübingen. It has a broad focus on Palaeolithic archaeology and our human heritage as hunter-gatherers and gives particular attention to Mediterranean and African archaeology. This program includes theoretical and practical components.

The University of the Witwatersrand (Wits) in Johannesburg, South Africa, is included as an active fourth partner in this master's program. In cooperation with Wits, fieldwork and excursions are offered along with other academic activities. Members of the European partner universities already have strong and active research collaborations with several institutions at Wits.

Throughout the multiple degree-program, students are enrolled at all three universities and receive a certificate from Aix, Rome and Tübingen upon successful completion.

2. Program

2.1. Qualification Goals

The study program of ART-W provides students with advanced research-oriented scientific qualifications and trains students in the application of state-of-the-art methods to research palaeolithic archaeology. The study of Mediterranean prehistory is central to the partner universities and associated research institutes. Several courses in the ART-W master's program will focus on the diversity of human cultures in the Mediterranean, from the beginning to the end of the Palaeolithic. The human material and immaterial heritage is central to this master's program, which intends to provide students with a view on the diversity of the human heritage that goes way beyond the European borders. This master's program will integrate key aspects of the African archaeological record.

The core of Palaeolithic Archaeology is to understand the diversity and variability of past human cultures through time and space. Courses of the ART-W master's program will explore the diversity of environments occupied by Palaeolithic groups and associated cultural expressions. We understand multiculturalism in its broadest sense, not only in terms of diversity of past human cultures across space and time, but also beyond the range of human culture itself. Courses from the ART-W master's program will include cultural developments in other hominin species (e.g. Neanderthals and our forebears in Africa). Finally, we are exploring multicultural education by promoting local museums as active actors in teaching.

In the extensive curriculum of the masters' program, students acquire profound theoretical knowledge about prehistoric archaeology, Palaeolithic technology, human behavioural adaptations, human diversity and mobility along with social, economic, symbolic and ideological aspects of human evolution. Students are trained extensively in reading and evaluating scientific publications, critically discussing results, and developing their own problem-oriented research designs. The strong application-based focus of the master's program familiarizes students with laboratory protocols and analytical procedures. This enables graduates to identify research gaps in current research, to design and perform appropriate field and laboratory investigations, and to interpret, contextualize and present the results of data analyses.

The students will be trained in the analysis of material culture of Palaeolithic groups, including stone tools, bone tools, and personal ornaments. Courses from this master's program as well as excursions to sites and museums in Italy, France, Germany and South Africa, will provide them with an understanding of the origins of artistic expressions and the use of symbols, which are central to the human heritage. This master's program also intends to provide the students with a view on the diversity of the human heritage that goes way beyond the Europe borders, following a much more global perspective. Genetic studies and fossil data clearly demonstrate that our species, *Homo sapiens*, emerged in Africa about 300,000 years ago. Active research on this continent in the last few decades has highlighted the richness of the archaeological record, which is associated with the precocious emergence of cultural traits and behaviours typical of our species and instrumental in its

success in spreading outside of Africa and settling on all of the five continents. The ART-W master's program will integrate these key aspects of the African archaeological record in courses, as well as via the possible participation of students to archaeological excavations in South Africa. Several lecturers involved in this program are indeed conducting research in southern Africa, specifically dedicated to the origin of the human cultural heritage. As such, they are also contributing to the ongoing movement of decolonizing African archaeology by, for instance, promoting academic and student mobility between southern Africa and Europe.

The M.Sc. program lays an excellent foundation for doctoral studies in the chosen specialization, enabling graduates to pursue a career in academia. Key employers for graduates of the M.Sc. program are universities and international research institutions to follow up a Ph.D. project. Moreover, students with an M.Sc. in Palaeolithic Archaeology are well-prepared for a job in archaeological and natural history museums or offices and institutions for the preservation of cultural and architectural heritage.

2.2. Requirements for Entering the Master's Program

To participate in the master's program a bachelor's degree in Archaeology or a similar degree in an equivalent subject. A joint committee, including representatives of the 3 universities of Aix-Marseille, Rome and Tübingen, decides on the equivalence of the degree and possibly additional requirements such as additional lectures or lab classes that must be taken.

English is the language of instruction and examination in the Palaeolithic Archaeology master's degree program. An adequate knowledge of English is required (level B2 of the Common European Framework of Reference for Languages).

3. Curriculum

3.1 General Overview

The designated period of the study program is four semesters (two years). The study program can be started in the winter semester only. The program language is English.

Students will complete various courses to obtain 120 ECTS credit points at the end of the program, in adherence to the Bologna system. Because we agreed on a symmetrical organization between Aix-Marseille, Rome and Tübingen, the three universities will be represented equally in terms of how much time the students spend at each of them, as well as in terms of ECTS points awarded. Each university will offer 30 ECTS credits during the semester it hosts. The fourth semester will be dedicated to the master's thesis and the remaining 30 ECTS. The thesis will be co-supervised by members of at least two of the three partner universities and will take place at any of them.

In parallel to lectures, seminars, practical classes and lab work, students will be able to take part in several of the archaeological excavations led by members of the partner universities at Palaeolithic sites in France, Italy, Germany and elsewhere. Optional fieldwork experience and academic training will be offered in South Africa, via our collaboration with the University of the Witwatersrand.

first semester	Eberhard Karls Universität Tübingen  	30 ECTS
second semester	Sapienza Università di Roma  	30 ECTS
third semester	Aix Marseille Université  	30 ECTS
fourth semester	Master Thesis    	30 ECTS

At the **University of Tübingen**, during the **first semester**, students will follow classes in English within the framework of the existing MSc in Archaeological Sciences and Human Evolution at the Faculty of Science. Students will be introduced to archaeological sciences and human evolution and build a strong basis for the following semesters. The students will take three compulsory modules: Theories and Methods in Archaeology; Stone Age archaeology; Stone Age Societies and Ideology.

Besides, they will choose one of the modules that give comprehensive introductions to the following disciplines: archaeobotany, archaeometry, geoarchaeology, palaeoanthropology, zooarchaeology and palaeogenetics. In parallel, they will conduct laboratory work and take part in excursions and visits to museums and archaeological sites.

The Department of Early Prehistory and Quaternary Ecology in Tübingen conducts excavations at several emblematic Palaeolithic sites and directs museums in the Swabian Jura, which form the UNESCO World Heritage Site of the “Höhlen der ältesten Eiszeitkunst (“Caves with the oldest Ice Age art”). These museums include the Prehistoric Museum in Blaubeuren, the Vogelherd Museum and Archäopark and the Museum der Universität Tübingen (see additional information).

During the **second semester in Rome**, students will follow classes within the framework of the existing MA in Mediterranean Archaeology at the Dipartimento di Scienze dell’Antichità. They will choose two compulsory courses from the following ones: Advances in Palaeolithic Archaeology; Archaeology and Human Diversities; Endangered Archaeology: Threats and Mitigation; and Experimental Archaeology for Use-Wear and Residues Analysis. They will also choose one optional module between: Archaeometry, When, Where, What? Information Technology for Archaeology and Human Migrations Mobility and Identities in Life and Death in Prehistory. The students have the possibility to conduct work at the LTFAPA laboratory led by Prof. Cristina Lemorini where they can learn the principles of use-wear and residue analyses through macro- and microscopic observations using a large reference collection of replicas of lithic industries made of a wide variety of raw materials coming from Europe, the Near East and Africa. They will also take part in excursions and visits to museums and archaeological sites.

The Dipartimento di Scienze dell’Antichità at La Sapienza in Rome is involved in research at two world-famous Lower Palaeolithic museum-sites: La Polledrara di Cecanibbio in Lazio and Venosa-Notarchirico in Basilicata. It has active links with the Museo delle Civiltà (MuCiv) in Rome, as well as with the Prehistoric Museum of Pofi and the Casal de’ Pazzi Museum, both in Lazio. Finally, the students will be able to join excavations led by the Dipartimento di Scienze dell’Antichità, which range from the Palaeolithic to the Bronze Age, in Italy and abroad (see additional information).

During the **third semester in Aix-Marseille**, students will follow classes in French within the framework of the existing MA in Archéologie, Sciences pour l’Archéologie at the Faculté des Arts, Lettres, Langues et Sciences Humaines. This master’s program is currently being redesigned following the creation of ARKAIA, a new multidisciplinary institute dedicated to Mediterranean Archaeology. The ART-W master’s students will choose several courses on material culture, including lithic technology and bone technology, as well as on bioarchaeology and geoarchaeology, including courses on zooarchaeology, osteology and bone taphonomy, as well as a multidisciplinary course on the specificities of diverse environments (e.g. coastal environments, mountain environments). The Université Aix-Marseille has strong links with several museums and local archaeological service, as well as with the LAMPEA, a research unit from the CNRS. Students of

the ART-W master's program will be able to join members of the Aix-Marseille University and the LAMPEA to excavations at several sites in France and elsewhere.

During the **fourth semester in Aix-Marseille, Rome, or Tübingen**, students will work on their Master Thesis.

3.2 Overview by Modules

Module Number	obligatory / elective	Modul Title	CP
1. Semester: University of Tübingen			
ART-W 01	o	Theories and Methods in Archaeology	6
ART-W 02	o	Introduction to Stone Age Archaeology	6
ART-W 03	o	Stone Age Society and Ideology	6
ART-W 04	e	Interdisciplinary topics (1 compulsory out of 6 options) <ul style="list-style-type: none"> • Introduction to Archaeobotany and Palaeoethnobotany • Introduction to Archaeometry • Introduction to Geoarchaeology • Introduction to Paleoanthropology • Introduction to Paleogenetics • Introduction to Zooarchaeology 	6
ART-W 05	o	Archaeological Practices 1: Fieldworks, Laboratories and Excursions.	6
2. Semester: University of Rome			
ART-W 06	e	2 compulsory out of 4 options: <ul style="list-style-type: none"> • Advances in Palaeolithic Archaeology • Endangered Archaeology: Threats and Mitigation • Experimental Archaeology for Use-Wear and Residues Analysis • Archaeology of Human Diversities 	12
ART-W 07	e	2 compulsory out of 3 options: <ul style="list-style-type: none"> • Archaeometry • When Where What. Information technology for archaeology 	12

		• Human Migrations Mobility and Identities in Life and Death in Prehistory	
ART-W 08	o	Archaeological practices 2: Fieldworks, Laboratories and Excursions.	6
3. Semester: University of Aix-Marseille			
ART-W 09	o	Knowledge and skills in prehistory	6
ART-W 10	o	Zooarchaeology	6
ART-W 11	o	News and issues in prehistory research	6
ART-W 12	o	Palaeolithic prehistory of Africa and Mediterranean	6
ART-W 13	o	Archaeological practices 3: Fieldworks, Laboratories and Excursions.	6
4. Semester: Master Thesis			
ART-W 14	o	Master Thesis	30

The following abbreviations are used in the individual module prescriptions and in the previous overview of the study progress:

Abbreviations

Grading:	g = graded; ng = not graded (pass/fail); ne = no module examination
Type of Exam:	WE = written exam (e.g. assignment, term paper, written report) OE = oral exam (e.g. presentation, oral examination)
Duration:	Duration of the examination in minutes
Weighting:	courses: weighting of the examination grade towards the module grade modules: weighting of the module grade towards the final grade
Contact Hours (CH):	hours spent in the classroom per week during the semester
Status:	c = compulsory; e = elective; op = optional
Type of Course:	L = lecture; S = seminar; E = exercise; T = tutorial, P = practical work, PR = project related research, MT = Master-Thesis
Credit Points (CP):	ECTS Credits

4. Modul Descriptions

The following module descriptions give a comprehensive overview of the Palaeolithic Archaeology Master course (ART-W). The information reflects the course profiles as of June 2020. The module content, the lecturers as well as single lectures might be subject to changes.

Module number: ART-W 01	Module title: Theories and Methods in Archaeology				Type of module: Compulsory				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h			Contact time: 75 h / 5 CH		Private study: 105 h			
Duration of module	1 semester								
Regular cycle	Every winter semester								
Language	English								
Learning- / Teaching forms	Seminar								
Module content	Presentation of the basic theories and methods in archaeology Reading and discussion of key texts on the theoretical and methodological developments in archaeology Critical reflection on the theoretical and methodological foundations of the various subject in archaeology								
Qualification Goals	Knowledge of the terminology, the most important issues and methods of archaeology Basic insights into the history of the subject and the current theoretical discourse in archaeology Knowledge of advanced humanities and natural scientific approaches in archaeology Ability to summarize complex theoretical and methodological questions of archaeology, to classify them historically, and to critically reflect on them Independent development of teaching content, especially by reading key texts Acquisition of practical experience in oral presentations and critical discussion of own results								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/ Extent of exam	Grading system	Weighting
	<i>Theories and Methods in Archaeology</i>	S	c	3	3	WE	-	g	100
	<i>SAA Colloquium</i>	C	c	2	3				
Module exam	Term paper in seminar component								
Study Requirement	Regular participation, reading and discussion of texts, ungraded presentation								
Responsible for the module	Conard								

Module number: ART-W 02	Module title: Introduction to Stone Age archaeology				Type of module: Compulsory				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h			Contact time: 60 h / 4 CH		Private study: 120 h			
Duration of module	1 semester								
Regular cycle	Every winter semester								
Language	English								
Learning- / Teaching forms	Introductory lecture and more specialized seminar. Lectures predominantly involve face-to-face learning with potential attendant assignments. The seminar component encompasses taught and interactive elements, including reading and discussion of relevant literature and (written) presentation of specific topics.								
Module content	This module is the introductory part of the specialization Stone Age Archaeology. The lecture provides an introductory course and diachronic overview of the archaeology of the global Palaeolithic, Mesolithic and Neolithic in its Quaternary ecological context. This part includes coverage of research history, basic terminology, find categories, central issues, interpretative frameworks and current research, encompassing topics such as stone tool technology, cultural stratigraphy, behavioural adaptations, social, economic, symbolic and demographic aspects of the bio-cultural evolution of hominins in the Pleistocene and early Holocene. A more specialized seminar chosen by the students from a pool of offered courses provides deeper insights into specific regional, temporal and thematic issues of global Stone Age archaeology from Europe, Africa, Asia, Australia and the Americas.								
Qualification Goals	Students learn basic knowledge and terminology of Stone Age archaeology. They understand the different find categories, applied methods and overarching research questions pursued in this field of study. Students will be enabled to critically reflect on the data, methods, theory and interpretations commonly employed in archaeological research of the Stone Age. They can integrate current research into the history and issues of the field and are able to develop and pursue basic research questions of the Stone Age in written and oral presentation.								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/ Extent of exam	Grading system	Weighting
	<i>Introduction to Stone Age Archaeology</i>	L	c	2	3	WE	ca. 15-20 p.	g	100
	<i>Seminar Stone Age Archaeology</i>	S	c	2	3				
Module exam	The module exam (written essay) is part of the seminar component.								
Study Requirement	Regular participation, reading and discussion of texts								
Responsible for the module	Conard								

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Module number: ART-W 03	Module title: Stone Age society and ideology				Type of module: Compulsory							
Credit Points (ECTS)	6											
Workload - Contact time - Private study	Workload: 180 h			Contact time: 60 h / 4 CH		Private study: 120 h						
Duration of module	1 semester											
Regular cycle	Every winter semester											
Language	English											
Learning- / Teaching forms	Introductory lecture and more specialized seminar or practical exercise. Lectures predominantly involve face-to-face learning with potential attendant written assignments. The seminar component encompasses taught and interactive elements, including reading and discussion of relevant literature and presentation of specific topics. The practical exercise focuses on hands-on work with material culture and independent study.											
Module content	Advanced course on the organization of Stone Age societies and aspects of prehistoric ideology. The lecture component provides an overview on empirical, theoretical and methodical aspects in various topics of Stone Age society and ideology. Basic terminology, research history, analytical methods, theoretical approaches and case studies are covered with a focus on Palaeolithic Eurasia and Africa. Covered topics include demography, symbolism, art, religion, ornamentation and music, among others. Students can choose between either a more specialized seminar (e.g. Palaeolithic art) or a practical exercise (e.g. experimental archaeology) that deal with specific aspects and spatio-temporal scales of these topics that might involve attendant excursions to relevant sites and museums.											
Qualification Goals	Students learn advanced knowledge of various aspects of Stone Age societies and ideology. They understand different socio-cultural, ideological and demographic aspects of Stone Age societies and overarching research questions pursued in this field of study. Students will be enabled to critically reflect on the data, methods, theory and interpretations commonly employed in archaeological research of this field of study. They can integrate current research into the history and issues of the field and are able to develop and independently pursue advanced research questions of the Stone Age in oral presentation.											
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>				Type of course	Status	CH	CP	Type of exam	Duration/ Extent of exam	Grading system	Weighting
	<i>9f-1: Stone Age society and ideology</i>				L	c	2	3	OE	ca. 20 min	g	100
	<i>9f-2: Stone Age society and ideology</i>				S	op	2	3				
	<i>9f-3: Stone Age society and ideology</i>				E	op	2	3				
Module exam	The module exam is part of the seminar or exercise component.											
Study Requirement	Regular participation, reading and discussion of texts.											
Responsible for the module	Floss											

Module number: ART-W 04a	Module title: Introduction to Archaeobotany and Palaeoethnobotany				Type of module: Compulsory-Elective				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h			Contact time: 60 h / 4 CH		Private study: 120 h			
Duration of module	1 semester								
Regular cycle	Every winter semester								
Language	English								
Learning- / Teaching forms	Combination of introductory lectures and student presentations and laboratory practical course								
Module content	<p>Introduction to archaeobotany and its different fields of specialization (macro and micro-remains); basic field methods and taphonomy; Laboratory methods; Quantification and interpretative tools</p> <p>Major research fields and topics of the discipline; Case studies from Central European dryland and wetland archaeobotany, African archaeobotany, Tropical archaeobotany and Near Eastern archaeobotany</p> <p>Interdisciplinary approaches such as stable isotopes on plant macro-remains, multidisciplinary studies for reconstructing ancient vegetation dynamics, ancient diet as reflected by archaeobotany and organic residue analysis or combining faunal and botanical remains to reconstruct ancient husbandry practices and diet (gut contents, dung; stable isotope and organic residue analyses)</p> <p>Laboratory classes: basic lab methods for investigating seeds, fruits and chaff remains; Identifying archaeobotanical remains with the binocular, using identification keys and the comparative collection; 2 alternating courses are offered: summer term (=BNWA 4) focusing on charred remains and winter term on waterlogged plant remains</p>								
Qualification Goals	<p>Gaining a principle understanding of archaeobotany and its potential to address questions, relevant to the history of humankind</p> <p>Knowledge of the main approaches and methods used in archaeobotany</p>								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/ Extent of exam	Grading system	Weighting
	<i>Introduction to Archaeobotany and Palaeoethnobotany</i>	L/S	c	2	3	OE	20 min	g	100
	<i>Introduction to Archaeobotany and Palaeoethnobotany</i>	P	c	2	3				
Module exam	The module exam is part of the seminar component								
Study Requirement	Regular participation, reading and discussion of texts.								
Responsible for the module	Riehl								

Module number: ART-W 04b	Module title: Introduction to Archaeometry				Type of module: Compulsory-Elective				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h			Contact time: 60 h / 4 CH		Private study: 120 h			
Duration of module	1 semester								
Regular cycle	Every winter semester								
Language	English								
Learning- / Teaching forms	Lectures and Seminars								
Module content	<p>This module will serve as an introduction to the application of archaeometric techniques to key themes in archaeology, including diet, migration, manufacture and provenance. The course content will not be exhaustive of the techniques available, but will serve as a general introduction to the science behind the different methodologies and their archaeological application. Lectures will cover key techniques and applications, and this will be supplemented by seminars addressing the archaeological questions and demonstrations of the laboratories and equipment used in Archaeometry.</p> <p>This module will serve as an introduction to the specialisation modules in Archaeometry.</p>								
Qualification Goals	<p>By the end of the module, students will gain an overview of the analytical archaeometric methods that can be applied to a wide range of materials recovered from archaeological contexts.</p> <p>Students will gain knowledge in the terminology used and, in the questions, and applications addressed by archaeometric studies.</p> <p>Students will gain the ability to critically read archaeometric literature, and independent study through reading scientific papers.</p>								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	<i>Introduction to Archaeometry</i>	L	c	2	3	WE	-	g	100
	<i>Introduction to Archaeometry</i>	S	c	2	3				
Module exam	The module will be assessed based on a written assignment								
Study Requirement	Regular participation, reading and discussion of texts.								
Responsible for the module	Greiff								

Module number: ART-W 04c	Module title: Introduction to Geoarchaeology				Type of module: Compulsory-Elective				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h			Contact time: 60 h / 4 CH		Private study: 120 h			
Duration of module	1 semester								
Regular cycle	Every winter semester								
Language	English								
Learning- / Teaching forms	Lectures covering key concepts are augmented by seminars which will focus on discussion and readings of illustrative case studies.								
Module content	<p>This module provides a general introduction to the field of geoarchaeology, with a particular emphasis on common depositional environments and processes encountered at archaeological sites. Key topics include:</p> <ul style="list-style-type: none"> • Sedimentary processes in different environments, from the site to landscape scale • Basic concepts of archaeological stratigraphy • The effects of different environments on the preservation and formation of the archaeological record • Occupation deposits • Human impact on landscapes • Soil-forming processes in the archaeological record • Post-depositional alteration processes • This course is foundational for further courses offered in geoarchaeology. 								
Qualification Goals	Through completion of the course, students will gain a basic knowledge in essential theoretical and practical concepts of geoarchaeology. They will gain expertise in assessing the stratigraphy of archaeological sites, and will learn how to interpret archaeological landscapes. Furthermore, they will be able to assess postdepositional alteration processes of the archaeological record. Through the seminar, they will be exposed to classic case studies and literature.								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/ Extent of exam	Grading system	Weighting
	<i>Sediments, soils and landscapes</i>	L	c	2	3	WE	-	g	100
	<i>Site formation processes</i>	S	c	2	3				
Module exam	The module grade is part of the seminar component.								
Study Requirement	Regular participation, reading and discussion of texts								
Responsible for the module	Miller								

Module number: ART-W 04d	Module title: Introduction to Paleoanthropology				Type of module: Compulsory-Elective							
Credit Points (ECTS)	6											
Workload - Contact time - Private study	Workload: 180 h			Contact time: 60 h / 4 CH		Private study: 120 h						
Duration of module	1 semester											
Regular cycle	Every winter semester											
Language	English											
Learning- / Teaching forms	Lecture and seminar incl. lab practical											
Module content	<p>Presentation of current topics and theoretical concepts of evolution as applied to the human lineage</p> <p>Teaching of conventional and modern methods for analysing human skeletal remains, including biochemical and isotope studies</p> <p>Discussion of the advantages and disadvantages of different methods for analysing human skeletal remains and their applicability to Paleoanthropology and the fossil record</p> <p>Crash course to human osteology</p>											
Qualification Goals	<p>Knowledge of evolutionary theory concepts and current topics in Paleoanthropology</p> <p>Knowledge of various osteological, biochemical and population genetic methods for the analysis of fossil remains and their advantages / limitations</p> <p>Practical experience and knowledge of recording basic osteological data</p>											
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>				Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	<i>Introduction to Paleoanthropology</i>				L	c	2	3	OE	90 min	g	100
	<i>Introduction to Paleoanthropology / human osteology crash course</i>				S/P	c	2	3				
Module exam	The module grade is part of the seminar component.											
Study Requirement	Regular participation, reading and discussion of texts											
Responsible for the module	Harvati											

Module number: ART-W 04e	Module title: Introduction to Paleogenetics				Type of module: Compulsory-Elective				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h			Contact time: 60 h / 4 CH		Private study: 120 h			
Duration of module	1 semester								
Regular cycle	Every winter semester								
Language	English								
Learning- / Teaching forms	Lecture and Seminar								
Module content	Introduction to the basics, methods and analytical procedures of Paleogenetics Presentation of specific molecular genetic methods and analytical procedures								
Qualification Goals	Knowledge of terminology, the most important questions and methods of Archaeogenetics and Paleogenetics. Knowledge and ability to optimize the applied methodological aspect of Paleogenetics with special consideration of archaeological and human evolution questions. Independent development of teaching content, especially through the reading of key texts. Ability to read Paleogenetic literature critically on the basis of basic methodological and content-related knowledge and to reproduce it in oral form.								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	<i>Introduction to Paleogenetics</i>	L	c	2	3	WE	90 min	g	100
	<i>Introduction to Paleogenetics</i>	S	c	2	3				
Module exam	The module exam is part of the lecture component.								
Study Requirement	Regular participation, reading and discussion of texts								
Responsible for the module	Posth								

Module number: ART-W 04f	Module title: Introduction to Zooarchaeology				Type of module: Compulsory-Elective				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h	Contact time: 60 h / 4 CH			Private study: 120 h				
Duration of module	1 semester								
Regular cycle	Every winter semester								
Language	English								
Learning- / Teaching forms	Lecture and seminar								
Module content	In the lecture, current topics and problems in zooarchaeological research are presented. Conventional methods as well as biomolecular applications such as isotope studies and molecular zooarchaeology are discussed. The students will be introduced to basic skeletal anatomy. In the seminar, recent studies that use zooarchaeological and biomolecular analyses are read and critically evaluated.								
Qualification Goals	Knowledge of basic zooarchaeological questions and the methods used when working with faunal material Critical reading of zooarchaeology papers Presentation and discussion skills similar to conference or workshop presentations								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	<i>Introduction to Zooarchaeology</i>	L	c	2	3	WE	90 min	g	100
	<i>Introduction to Zooarchaeology</i>	S	c	2	3				
Module exam	The module exam is part of the lecture component.								
Study Requirement	Regular participation, reading and discussion of texts								
Responsible for the module	Starkovich								

ART-W Master of Science in Palaeolithic Archaeology

Module number: ART-W 05	Module title: Archaeological practices 1: Fieldworks, Laboratories and Excursion.				Type of module: Compulsory				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h	Contact time: 15 h /1 CH			Private study: 165 h				
Duration of module	1 semester								
Regular cycle	Every winter semester								
Language	English								
Learning- / Teaching forms	Practical/Field								
Module content	<p>This is a practical work (i.e. internship) either in the field (to excavate/collect data) or in one of the laboratories offered within the ART-W CIVIS Master Program.</p> <p>The exact workload may vary and is determined by the type of practical work (e.g. stay abroad for an excavation, internship in a laboratory, etc.) and should ideally consists of 4 weeks of practical either in the field or in a laboratory.</p> <p>Practicals/Excursions should be chosen by the students on their own initiative and according to their interests, ideally linked to the master's thesis</p>								
Qualification Goals	<p>Independently pursuing scientific work in a project</p> <p>Linking theoretical course content with practical work experience</p> <p>Documentation and communication of results and methods</p> <p>Learning to work in teams</p>								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	<i>Work Experience</i>	P	c	1	6	-	-	g	100
Module exam	No Exam								
Study Requirement	Participation in practical activities including laboratory, excursions or fieldwork								
Responsible for the module	Conard								

ART-W Master of Science in Palaeolithic Archaeology

Module number: ART-W 06a	Module title: Advances in Palaeolithic Archaeology				Type of module: Compulsory-Elective				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h	Contact time: 42 h / 4 CH	Private study: 136 h						
Duration of module	1 semester								
Regular cycle	Every summer semester								
Language	English								
Learning- / Teaching forms	Lecture and Seminar. Essential readings for each module will be detailed in the course syllabus. The syllabus will be available at the beginning of the course								
Module content	In the course, all the main topics and recent advances in the Palaeolithic Archeology will be addressed, first with a theoretical approach and then with examples of archaeological case studies and reading of recent papers and fundamental books. It will touch on topics such as the evolution of Hominins in the Pleistocene, the mobility of hunter-gatherers, specific behavioral and ecological adaptations, modes of cultural transmission, lithic technology, subsistence. This module includes a series of general lessons about the analysis of the main themes of debate and the most important events occurred in the Mediterranean during the ancient Prehistory, such as the first Out of Africa, the old presence of Homo sapiens in North Africa, the Middle to Upper Palaeolithic Transition in Italy. A specialized seminar will be chosen together with the students in which they will work on a specific theme, producing a scientific article.								
Qualification Goals	The course aims to provide, in the context of Paleolithic Archaeology, the knowledge and understanding necessary to address original topics in a research context, and it aims at building a complex and articulated point of view, communicating the advances and discoveries and the processes that led to their acquisition, and preparing the students to study the topics autonomously. The course will allow students to obtain an updated and detailed preparation on the primary debates that animate the discipline at the current moment								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	Advances in Palaeolithic Archaeology	L+S	e	4	6	OE	20 min	g	100
Module exam	Attendance, class participation, and active discussion (50% of grade); final presentation, a formal, conference-style, 20-minute presentation with PowerPoint (50% of grade)								
Study Requirement									
Responsible for the module	Spinapolice								

Module number: ART-W 06b	Module title: Endangered Archaeology Threats and Mitigation				Type of module: Compulsory-Elective					
Credit Points (ECTS)	6									
Workload - Contact time - Private study	Workload: 180 h		Contact time: 42 h / 4 CH		Private study: 136 h					
Duration of module	1 semester									
Regular cycle	Every summer semester									
Language	English									
Learning- / Teaching forms	Lectures covering key concepts are augmented by seminars which will focus on discussion and readings of illustrative case studies. Essential readings for each lecture will be detailed in the course syllabus, available at the beginning of the course.									
Module content	<p>The course comprises three groups of lectures:</p> <p>The first section will discuss the major risks to which archaeological sites and artefacts are exposed, due to natural and anthropogenic factors of varying intensity (rare, common events or cumulative processes).</p> <p>The second section will introduce the national and international institutions, governmental and nongovernmental agencies, and organizations involved in protecting archaeological heritage. Legislative instruments, conventions, charters and international protocols will also be discussed.</p> <p>The third section of the course will explore some case studies proposed by students.</p> <p>Topics discussed:</p> <ul style="list-style-type: none"> • Archaeological risk assessment • Conservation of archaeological landscapes, sites and objects • Preventive Archaeology • Climate change and archaeological sites • Archaeology in conflict and post-conflict situations • Looting and illegal trafficking of archaeological materials • Tourism and archaeological heritage • Ethics of archaeology 									
Qualification Goals	The course provides a broad overview and analysis of the threats on the archaeological landscape, sites and artefacts, and of the mitigation and risk reduction actions adopted at a national and international scale.									
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>									
		Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting	
	Endangered Archaeology Threats and Mitigation	L+S	e	4	6	OE+WE	20 min	g	100	
Module exam	Attendance, class participation, and active discussion (40% of grade) ; final presentation, a formal, conference-style, 20-minute presentation with PowerPoint (20% of grade) ; a paper (10 pages, double spaced) based on a case study (40% of grade)									
Study Requirement	Regular participation, reading and discussion of texts									
Responsible for the module	Gallinaro									

Module number: ART-W 06c	Module title: Experimental Archaeology for Use-Wear and Residues Analysis				Type of module: Compulsory-Elective					
Credit Points (ECTS)	6									
Workload - Contact time - Private study	Workload: 180 h		Contact time: 42 h / 4 CH		Private study: 136 h					
Duration of module	1 semester									
Regular cycle	Every summer semester									
Language	English									
Learning- / Teaching forms	Teaching materials, including handouts, thematic websites and scientific articles will be distributed in class and posted on a dedicated Google classroom page.									
Module content	<p>The course will be characterized by a theoretical session dealing with the fundamentals of the experimental archaeology (10 h), technological (6 h), use-wear (6 h), residues analyses (8 h) and a broad practical part (30 h) aimed to organize and carried out experimental sessions for reproducing activities with replicas of artefacts and to observe and to discuss the developed use-wear and residues through the observation with optical, digital equipment and SEM-EDX equipment.</p> <p>Communication skills:</p> <ul style="list-style-type: none"> • Skill to clearly communicate the results of the analysis of an archaeological context or assemblage through experimental and archaeometric approaches • Skill to communicate the results of the analysis to people not trained in archaeology • Learning skills • Skill to organize and realize an experimental protocols • Skill to apply a preliminary technological and functional analysis of archaeological items or replicas of them. 									
Qualification Goals	The course aims to present the experimental archaeology approach, its academic development and diffusion, the links between experimental archaeology and other archaeological methods, especially use-wear and residues analyses. Furthermore, a key point of the course is to scrutinize and to discuss what an "experimental protocol" means and how to apply it for the interpretation of the archaeological findings.									
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>		Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	Experimental Archaeology for Use-Wear and Residues Analysis		L+E+P	e	6	6	WE+OE	WE: 1h OE: 20 min	g	100
Module exam	Written text and final oral examination									
Study Requirement	Regular participation, reading and discussion of texts									
Responsible for the module	Lemorini									

Module number: ART-W 06d	Module title: Archaeology of Human Diversities				Type of module: Compulsory-Elective				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h	Contact time: 42 h / 4 CH	Private study: 136 h						
Duration of module	1 semester								
Regular cycle	Every summer semester								
Language	English								
Learning- / Teaching forms	Lectures covering key concepts are augmented by seminars which will focus on discussion and readings of illustrative case studies.								
Module content	Human diversity is defined by the sum of unique biological and cultural variation within our species. The course "Archaeology of human diversities" aims to provide students with basic tools to examine human diversity in the past from multiple perspectives, including evolution, genetics, archaeology, culture, and gender. Human and cultural evolution will be addressed through theoretical lessons and specific case studies to explore what we mean by diversity and what approaches and methods have been adopted to deal with such complexity.								
Qualification Goals	The student will develop an understanding of the theoretical debates developed since the turn of the 20th century, improving knowledge and skills to approach complex research questions and a critical evaluation of the subject. The course will also allow the student to develop an improved independent judgment and personal sensibility toward one of the most critical concepts within archaeology. Looking at the past through different lenses will encourage the student to appreciate diversities within a community of scholars and the wider community.								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/ Extent of exam	Grading system	Weighting
	Archaeology of Human Diversities	L+S	e	2	3	OE	30 min	g	100
Module exam	Oral examination								
Study Requirement	Regular participation, reading and discussion of texts								
Responsible for the module	Spinapolice, Gallinaro								

Module number: ART-W 07a	Module title: Archaeometry				Type of module: Compulsory-Elective				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h	Contact time: 42 h / 4 CH			Private study: 136 h				
Duration of module	1 semester								
Regular cycle	Every summer semester								
Language	English								
Learning- / Teaching forms	Theoretical lessons will be integrated with laboratory experiences.								
Module content	The diagnostic approach will be illustrated through non-destructive investigations (macro and photomicrographic documentation, fluorescence induced by UV radiation, radiographs, X-ray fluorescence analyses) and micro-destructive investigations (optical microscope documentation of cross sections and thin sections, scanning electron microscopy and EDS microanalysis, FT-IR spectrophotometry, Raman spectrometry, Neutron Activation Analysis). The course will also describe dating techniques, such as 14C, thermoluminescence, dendrochronology and fission track analysis.								
Qualification Goals	The course aims to provide an introduction to the techniques of diagnostics applied to Cultural Heritage, with particular regard to the contribution that these can provide to the knowledge of the materials, the executive technique and the state of conservation of archaeological artefacts.								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	Archaeometry	L+E	e	4	6	OE	1 h	g	100
Module exam	The exam will consist of an oral discussion on the topics of the course.								
Study Requirement	Regular participation, reading and discussion of texts								
Responsible for the module	Falcucci								

Module number: ART-W 07b	Module title: When Where What. Information technology for archaeology				Type of module: Compulsory-Elective				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h	Contact time: 42 h / 4 CH	Private study: 136 h						
Duration of module	1 semester								
Regular cycle	Every summer semester								
Language	English								
Learning- / Teaching forms	Lecture and Seminar								
Module content	<p>The following topics will be addressed:</p> <ol style="list-style-type: none"> 1. Nature and types of archaeological data: acquisition and formalization. 2. Data management: data storage and data querying. The most appropriate solutions will be explored according to various type of data (spatial, quantitative, and descriptive data). 3. Data analysis systems: statistical (artifacts typology, chronological sequences, etc.) and geo-statistical tools (intra-site GIS applications and territorial GIS applications). <p>The course uses an applicative approach, an archaeological context will be explored applying the described methodologies. Therefore, given its peculiarities, course attendance is strongly recommended.</p> <p>Students not attending can suggest a project tackling an archaeological question using the appropriate IT tools such as data-base systems and GIS.</p>								
Qualification Goals	The course aims to provide students with computer science tools, both conceptual and methodological, for the analysis of archaeological data.								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	When Where What. Information technology for archaeology	L+S	e	4	6	OE	1 h	g	100
Module exam	Evaluation of the acquired skills and concepts.								
Study Requirement	Regular participation, reading and discussion of texts								
Responsible for the module	Di Renzoni								

Module number: ART-W 07c	Module title: Human Migrations Mobility and Identities in Life and Death in Prehistory				Type of module: Compulsory-Elective				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h		Contact time: 42 h / 4 CH		Private study: 136 h				
Duration of module	1 semester								
Regular cycle	Every summer semester								
Language	English								
Learning- / Teaching forms	Introductory class lessons and presentations by external scholars (half of the course), seminar and discussion (half of the course) The syllabus will be available at the beginning of the course. Online repositories will be used for data sharing. Papers and book chapters will be discussed; students will make their own presentations on case-studies.								
Module content	The course aims to introduce the core relevance theme of the relationship between the mobility of human groups and the changing forms of society within the Ancient Mediterranean, during Prehistory. Both cases of individual or small group and of massive mobility (migrations) will be analysed, extending beyond Palaeolithic times, to include the Neolithic and Copper Age, and contrasted with the background of medium and long-distance contacts/exchange. The connection between these two aspects, mobility and society, will be highlighted, through consolidated research topics and innovative and interdisciplinary issues, mainly derived from the anthropological and biological sciences. The course will enable students to master the current debate and acquire full awareness of the necessary skills for a modern interdisciplinary investigation. The Palaeolithic case(s) is crucial, but must be seen in a wider perspective.								
Qualification Goals	The students will be encouraged to get aware of the general trends, problematic issues and pitfalls in the interpretation of human mobility, linked to the so-called "Third Science Revolution" in archaeology, as well as linked to more traditional ways of interpreting archaeological materials. They should finally develop a conscious and critical attitude toward mobility studies, as a part of a wider framework of interpretation of the human adventure.								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	Human Migrations Mobility and Identities in Life and Death in Prehistory	L+S	e	4	6	see below	WE: 5 pages + refs OE: 40 min	g	100
Module exam	Students will receive a selected argument to study in neater detail, and will: 1. make at least one public presentation to the class (seminar) 2. take part in the final discussion, shared in the class 3. provide a written essay to the professor on a selected argument (5 pages + references) 4. answer orally some general final questions (40 min.) The grade is defined by 1 = 20%; 2 = 10%; 3 = 30%; 4 = 40%								

Study Requirement	Regular participation, reading and discussion of texts
Responsible for the module	Vanzetti

Module number: ART-W 08	Module title: Archaeological practices 2: Fieldworks, Laboratories and Excursion.		Type of module: Compulsory						
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h	Contact time: 15 h / 1 CH	Private study: 165 h						
Duration of module	1 semester								
Regular cycle	Every summer semester								
Language	English								
Learning- / Teaching forms	Practical/Field								
Module content	<p>This is a practical work (i.e. internship) either in the field (to excavate/collect data) or in one of the laboratories offered within the ART-W CIVIS Master Program.</p> <p>The exact workload may vary and is determined by the type of practical work (e.g. stay abroad for an excavation, internship in a laboratory, etc.) and should ideally consists of 4 weeks of practical either in the field or in a laboratory.</p> <p>Practicals/Excursions should be chosen by the students on their own initiative and according to their interests, ideally linked to the master's thesis</p>								
Qualification Goals	<ul style="list-style-type: none"> Independently pursuing scientific work in a project Linking theoretical course content with practical work experience Documentation and communication of results and methods Learning to work in teams 								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	<i>Work Experience</i>	P	c	1	6	-	-	g	100
Module exam	No Exam								
Study Requirement	Participation in practical activities including laboratory, excursions or fieldwork.								
Responsible for the module	Spinapolice, Lemorini								

Module number: ART-W 09	Module title: Knowledge and skills in prehistory					Type of module: Compulsory			
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h	Contact time: 40 h / 3 CH			Private study: 140 h				
Duration of module	1 semester								
Regular cycle	Every winter semester								
Language	English								
Learning- / Teaching forms	Introductory lecture and practical training. The first sessions are devoted to the notions of Anthropology of techniques, cultural evolution and the concept of "chaîne opératoire". The following sessions are situational exercises in front of archaeological or experimental series								
Module content	Mastery of the organization of the analysis of a prehistoric collection. Identification of scientific questions, construction of an analysis grid. The different stages are: Identification of raw materials, technical analysis of prehistoric objects, economic approach, identification of the degree of know-how, cognitive and gestural skills, functional analysis, cultural and chronological diagnostic.								
Qualification Goals	Enable students to study an archaeological series independently by identifying 1/ the questions they want to solve, 2/ the conceptual and practical tools at their disposal 3/ the organisation of technical observations in a scientific process.								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	<i>Knowledge and skills in Prehistory</i>	L/P	c	3	6	OE	30 min	g	100
Module exam	Oral exam with the pedagogic team								
Study Requirement	Regular participation, participation in practical activities								
Responsible for the module	Bracco								

Module number: ART-W 10	Module title: Zooarchaeology				Type of module: Compulsory				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h	Contact time: 40 h / 3 CH			Private study: 140 h				
Duration of module	1 semester								
Regular cycle	Every winter semester								
Language	English								
Learning- / Teaching forms	Lectures and practical training. Principles of comparative anatomy. Recognition of the anatomy of mammals and rodents. Game acquisition and exploitation strategies.								
Module content	Biochronology and Archaeozoology of Pleistocene and Holocene faunas. Knowledge of animal anatomy with use of experimental collections. Knowledge of description and quantification tools and statistic treatments. Recognition of taphonomic degradation, carnivore tracks and human tools. Palaeoecological and paleoenvironmental implications of fossil assemblages								
Qualification Goals	knowledge of the main taxa of prehistoric fauna: carnivores, herbivores, rodents. implications for paleoclimates and paleoenvironments studies. Mastery of quantitative tools.								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	<i>Zooarchaeology</i>	L/P	c	3	6	WE	30 min	g	100
Module exam	The module will be assessed based on a written assignment								
Study Requirement	Regular participation, participation in practical activities								
Responsible for the module	Magniez								

Module number: ART-W 11	Module title: News and issues in prehistory research				Type of module: Compulsory				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h	Contact time: 40 h / 3 CH			Private study: 140 h				
Duration of module	1 semester								
Regular cycle	Every winter semester								
Language	English								
Learning- / Teaching forms	Studies, discussion and debates about main scientific questions under debate today. Preparation of discussions by students, interactive participations, possibility of an external speaker in person or by video conference.								
Module content	Key points of recent publications (papers, books...). Each student presents a synthesis of 2/3 publications following by a collective discussion. Moderated by the teaching staff and/or an external speaker.								
Qualification Goals	Knowledge of current issues, development of synthesis and analysis skills, oral expression								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	News and issues in prehistory research	L/S/E	c	3	6	OE	20 min	g	100
Module exam	The module exam is part of the seminar or exercise component.								
Study Requirement	Regular participation, reading and discussion of texts, ungraded presentation								
Responsible for the module	Bracco								

ART-W Master of Science in Palaeolithic Archaeology

Module number: ART-W 12	Module title: Palaeolithic prehistory of Africa and Mediterranean		Type of module: Compulsory						
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h	Contact time: 40 h / 3 CH	Private study: 140 h						
Duration of module	1 semester								
Regular cycle	Every winter semester								
Language	English								
Learning- / Teaching forms	Lectures, presentations by students								
Module content	Cultural and technical evolutions of African and Mediterranean Palaeolithic societies. <ul style="list-style-type: none"> • Cultural evolutions • Humans/Environment interactions • Settlement and migration • Artistic and technical practices • relations with Eurasian areas • Theoretical and practical scenarios 								
Qualification Goals	Knowledge of African and Mediterranean Palaeolithic, identification of current issues								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	Palaeolithic prehistory of Africa and Mediterranean	L/E	c	3	6	WE	180 min	g	100
Module exam	Dissertation								
Study Requirement	Regular participation, reading and discussion of texts, ungraded presentation								
Responsible for the module	Porraz								

Module number: ART-W 13	Module title: Archaeological practices 3: Fieldworks, Laboratories and Excursion				Type of module: Compulsory				
Credit Points (ECTS)	6								
Workload - Contact time - Private study	Workload: 180 h		Contact time: 15 h / 1 CH		Private study: 165 h				
Duration of module	1 semester								
Regular cycle	Every winter semester								
Language	English								
Learning- / Teaching forms	Practical/Field								
Module content	<p>This is a practical work (i.e. internship) either in the field (to excavate/collect data) or in one of the laboratories offered within the ART-W CIVIS Master Program.</p> <p>The exact workload may vary and is determined by the type of practical work (e.g. stay abroad for an excavation, internship in a laboratory, etc.) and should ideally consists of 4 weeks of practical either in the field or in a laboratory.</p> <p>Practicals/Excursions should be chosen by the students on their own initiative and according to their interests, ideally linked to the master's thesis</p>								
Qualification Goals	<ul style="list-style-type: none"> Independently pursuing scientific work in a project Linking theoretical course content with practical work experience Documentation and communication of results and method Learning to work in teams 								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/E xtent of exam	Grading system	Weighting
	<i>Work Experience</i>	P	c	1	6	-	-	g	100
Module exam	No Exam								
Study Requirement	Participation in practical activities including laboratory, excursions or field work.								
Responsible for the module	Bracco								

Module number: ART-W 14	Module title: Master Thesis				Type of module: Compulsory				
Credit Points (ECTS)	30								
Workload - Contact time - Private study	Workload: 900 h	Contact time: 30 h	Private study: 870 h						
Duration of module	1 semester								
Regular cycle	Every summer semester								
Language	English								
Learning- / Teaching forms	Master thesis and master colloquium								
Module content	For their master's theses, students pursue their own original research study. They have the chance to become involved in various international research projects or to create their own research design and pursue their individual research questions. Ideally, the research design and results of the master thesis should be of high quality so that the thesis is publishable in an international peer-reviewed journal. Participation in the master colloquium to present and defend their master's thesis.								
Qualification Goals	Working independently on a research project Conceptualizing a new research design, collecting and analysing data, interpret and contextualize the findings, write a thesis to disseminate the project results Ability to present and defend the project results in a colloquium								
Prerequisites for the allocation of credits / grades (if necessary weighting)	<i>Courses</i>	Type of course	Status	CH	CP	Type of exam	Duration/Extent of exam	Grading system	Weighting
	<i>Master Thesis</i>	-	c	-	20	WE	-	g	66,6
	<i>Master Colloquium</i>	C	c	2	10	OE	30 min	g	33,4
Module exam	Module grade derives from written thesis and oral presentation at master colloquium.								
Study Requirement	Participation in Master colloquium								
Responsible for the module	Conard								