
Ano Letivo 2021-22

Unidade Curricular MUDANÇAS AMBIENTAIS, COMPORTAMENTO HUMANO E A PRESERVAÇÃO DO PATRIMÓNIO CULTURAL

Cursos ARQUEOLOGIA (3.º Ciclo) (*)

(*) Curso onde a unidade curricular é opcional

Unidade Orgânica Faculdade de Ciências Humanas e Sociais

Código da Unidade Curricular 16731045

Área Científica ARQUEOLOGIA

Sigla

Código CNAEF (3 dígitos) 2.2.5

Contributo para os Objetivos de Desenvolvimento Sustentável - 4 & 5 ODS (Indicar até 3 objetivos)

Línguas de Aprendizagem English

Modalidade de ensino

Presencial and e-learning

Docente Responsável

Alvise Barbieri

DOCENTE	TIPO DE AULA	TURMAS	TOTAL HORAS DE CONTACTO (*)
Alvise Barbieri	OT; S	S1; OT1	40S; 50T

* Para turmas lecionadas conjuntamente, apenas é contabilizada a carga horária de uma delas.

ANO	PERÍODO DE FUNCIONAMENTO*	HORAS DE CONTACTO	HORAS TOTAIS DE TRABALHO	ECTS
1º	S2	39S; 50T	280	10

* A-Anual;S-Semestral;Q-Quadrimestral;T-Trimestral

Precedências

Sem precedências

Conhecimentos Prévios recomendados

The course requires basic knowledge of human evolution, archaeological periods/technocomplexes, sedimentation, stratigraphy, and scientific techniques employed in archaeology.

Objetivos de aprendizagem (conhecimentos, aptidões e competências)

Students attending this course will gain insights into the reciprocal relationship between human evolution and environmental changes. They will become aware of biases and limits in how archaeologists reconstruct human past, and develop critical and independent thinking on key regions and topics in archaeological research. They will gain further knowledge on how Climate Change, Global Warming and related environmental changes impact archaeological sites across the world.

Conteúdos programáticos

Introductory lectures about the main palaeoenvironmental archives: glacial geomorphology, lake varves, Delta O18, Heinrich Events, Ice Core projects.

Introductory lectures will be followed by seminars focusing on case studies showing the interdependency between environmental changes, human behaviour, and cultural heritage in past as well as in modern times. Case studies will be presented on 4 specific themes:

- 1 . Impact of environmental changes on human strategy for the procurement of food and raw materials.
 - 2 . Production and disposal of waste triggering ecological changes.
 - 3 . Climate and environmental changes impacting the preservation of archaeological sites and anthropogenic artifacts in the past.
 - 4 . Industrialization, related environmental changes, and the preservation of cultural heritage sites.
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Metodologias de ensino (avaliação incluída)

The teaching is divided in two parts, the first will be organized as frontal lectures, while the second one (focusing on case studies) will be organized as seminars. I will select some published case studies which the students will be encouraged to read before class. At class, I will engage the students in group discussions to highlight strengths and weaknesses of each work. For one of these case studies, students will be asked to submit a written review (not exceeding 1000 words) to familiarize with the process of peer reviewing.

For the evaluation, students will give an oral presentation on a topic of their choice about human/environment interactions. They are encouraged to include their PhD research into their presentation. Their performance will be evaluated on 5 criteria:

- 1) Clarity of structure and goals of the presentation.
 - 2) Relevance of the selected topic and pertinence with the course.
 - 3) Critical and independent thinking
 - 4) Language and overall performance
 - 5) Questions
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Bibliografia principal

Provided at class

Academic Year 2021-22

Course unit ENVIRONMENTAL CHANGES, HUMAN BEHAVIOR AND THE PRESERVATION OF CULTURAL HERITAGE

Courses ARCHAEOLOGY (*)
Common Branch

(*) Optional course unit for this course

Faculty / School FACULTY OF HUMAN AND SOCIAL SCIENCES

Main Scientific Area ARQUEOLOGIA

Acronym

CNAEF code (3 digits) 2.2.5

Contribution to Sustainable Development Goals - SGD (Designate up to 3 objectives) 4 & 5

Language of instruction English

Teaching/Learning modality Presencial and e-learning

Coordinating teacher Alvise Barbieri

Teaching staff	Type	Classes	Hours (*)
Alvise Barbieri	OT; S	S1; OT1	40S; 5OT

* For classes taught jointly, it is only accounted the workload of one.

Contact hours	T	TP	PL	TC	S	E	OT	O	Total
	0	0	0	0	39	0	5	0	280

T - Theoretical; TP - Theoretical and practical ; PL - Practical and laboratorial; TC - Field Work; S - Seminar; E - Training; OT - Tutorial; O - Other

Pre-requisites

no pre-requisites

Prior knowledge and skills

The course requires basic knowledge of human evolution, archaeological periods/technocomplexes, sedimentation, stratigraphy, and scientific techniques employed in archaeology.

The students intended learning outcomes (knowledge, skills and competences)

Students attending this course will gain insights into the reciprocal relationship between human evolution and environmental changes. They will become aware of biases and limits in how archaeologists reconstruct human past, and develop critical and independent thinking on key regions and topics in archaeological research. They will gain further knowledge on how Climate Change, Global Warming and related environmental changes impact archaeological sites across the world.

Syllabus

Introductory lectures about the main palaeoenvironmental archives: glacial geomorphology, lake varves, Delta O18, Heinrich Events, Ice Core projects.

Introductory lectures will be followed by seminars focusing on case studies showing the interdependency between environmental changes, human behaviour, and cultural heritage in past as well as in modern times. Case studies will be presented on 4 specific themes:

- 1 . Impact of environmental changes on human strategy for the procurement of food and raw materials.
 - 2 . Production and disposal of waste triggering ecological changes.
 - 3 . Climate and environmental changes impacting the preservation of archaeological sites and anthropogenic artifacts in the past.
 - 4 . Industrialization, related environmental changes, and the preservation of cultural heritage sites.
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Teaching methodologies (including evaluation)

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 - 2) Relevance of the selected topic and pertinence with the course.
 - 3) Critical and independent thinking
 - 4) Language and overall performance
 - 5) Questions
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Main Bibliography

Provided at class