# DIGITAL HUMANITIES (LM70)
(Università degli Studi)

## Teaching GIS APPLICATIONS IN CLASSICAL ARCHAEOLOGY

GenCod A004651
**Owner professor** Grazia SEMERARO

**Teaching in italian** GIS APPLICATIONS IN CLASSICAL ARCHAEOLOGY

**Teaching** GIS APPLICATIONS IN CLASSICAL ARCHAEOLOGY

**SSD code** L-ANT/07

**Reference course** DIGITAL HUMANITIES

**Course type** Laurea Magistrale

**Credits** 6.0

**Teaching hours** Front activity hours: 42.0

**For enrolled in** 2022/2023

**Taught in** 2022/2023

**Course year** 1

**Language** ENGLISH

**Curriculum** COMUNE/GENERICO

**Location**

**Semester** Second Semester

**Exam type** Oral

**Assessment** Final grade

**Course timetable**
https://easyroom.unisalento.it/Orario

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**BRIEF COURSE DESCRIPTION**

The course aims to provide the theoretical and methodological background for skilful use of Geographic Information Systems (GIS) in historical research contexts with a focus on archaeological applications.

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**REQUIREMENTS**

Familiarity with computers (at least at ECDL level)

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**COURSE AIMS**

The lectures and the exercises in front of a computer will provide students with a general overview of GIS technology . Students will be able to:

- Utilize the core components and functionality of a GIS
- Employ a variety of geospatial data types, data sources and metadata management techniques
- Create, manipulate, query and analyze geospatial data

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**TEACHING METHODOLOGY**

The course will consist of lectures and practical tasks to be held in laboratory

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**ASSESSMENT TYPE**

Following the new provisions to avoid coronavirus infection, it will be possible to take the spring session exams only in online mode (see for guidelines *unisalento.it website)*.The following indications concern the traditional methods, which I hope will be able to resume as soon as possible.
a. Oral exam
The examination aims at assessing:
-Knowledge and understanding of the contents of the course
- Practical abilities

## ASSESSMENT SESSIONS

26.1. 2023

16.2. 2023

2.3. 2023

6 .4. 2023

18 5. 2023

15.6.2023

29.6. 2023

20.7. 2023

14.9. 2023

26.10.2023

## FULL SYLLABUS

The course aims to provide the theoretical and methodological background for skilful use of Geographic Information Systems (GIS) in historical research contexts with a focus on archaeological applications.

This course will serve as an introduction to GIS technology and its applications to archaeological data management and analysis. Students will learn how to compile, transform, analyze and present sources of archaeological and historical data, and will utilize this information in GIS for cultural resources interpretation and management. References to selected research studies in Classical Archeology will be provided.

Reference material:

a. Institutional course: GIS - Guide on line: http://ads.ahds.ac.uk/project/goodguides/gis/;

b. Monographic course: D. Wheatley, M. Gillings (2002). *Spatial Technology and Archaeology*. Taylor & Francis, New York .

## REFERENCE TEXT BOOKS

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b. Monographic course: D. Wheatley, M. Gillings (2002). *Spatial Technology and Archaeology*. Taylor & Francis, New York .