

EUROPEAN HERITAGE, DIGITAL MEDIA AND THE INFORMATION

(- Università degli Studi)

Insegnamento **COMPUTER SCIENCE FOR CULTURAL HERITAGE**

GenCod A004187

Insegnamento COMPUTER SCIENCE FOR CULTURAL HERITAGE

Insegnamento in inglese COMPUTER SCIENCE FOR CULTURAL HERITAGE

Settore disciplinare ING-INF/05

Corso di studi di riferimento EUROPEAN HERITAGE, DIGITAL MEDIA

Tipo corso di studi Laurea Magistrale

Crediti 6.0

Ripartizione oraria Ore Attività frontale: 42.0

Per immatricolati nel 2019/2020

Erogato nel 2019/2020

Anno di corso 1

Lingua INGLESE

Percorso INTERNAZIONALE

Docente Francesco TOMMASI

Sede

Periodo Primo Semestre

Tipo esame Orale

Valutazione Voto Finale

Orario dell'insegnamento

<https://easyroom.unisalento.it/Orario>

BREVE DESCRIZIONE DEL CORSO

- What is an operating system
- The UNIX operating system
- The shell and the Command Line Interface
- Useful UNIX commands and utilities
- Scripting languages and their use
- Text encoding – Unicode, UTF8 and related tools
- File formats: description and manipulation (text, image, audio, video)
- Network basics and main network tools
- Computer security – digital objects integrity and authenticity

PREREQUISITI

Familiarity with computers (at least at ECDL level)

OBIETTIVI FORMATIVI

The course aims at providing the students coming from the humanities with the basics of Computer Science. The course is based on UNIX®, because of the popularity of such operating system among professionals.

METODI DIDATTICI

The course is strongly oriented towards a hands-on methodology.

MODALITA' D'ESAME

Writing a bash script aimed at solving a given problem in a given time.

PROGRAMMA ESTESO

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TESTI DI RIFERIMENTO

Textbook:

All needed reference material is composed, organized and constantly updated by the teacher. The material is made available to students through the course moodle site.

Additional, useful references:

- Peek, Todino, Strang, *Learning the Unix Operating System*, 5th ed. O'Reilly 2001, ISBN 978-0596002619:
- Newham, *Learning the bash Shell*, 3rd ed., O'Reilly 2005 ISBN 978-0596009656
- Cooper, *Advanced Bash-Scripting Guide*, <http://tldp.org/LDP/abs/html/>
- Silberschatz, Galvin, Gagne - *Operating System Concepts* - Wiley - 9th ed. (2013) - ISBN 978-1118063330