Anno Accademico 2016/2017

DIGITAL MEDIA	
Enrollment year	2016/2017
Academic year	2016/2017
Regulations	DM270
Academic discipline	ING-INF/05 (DATA PROCESSING SYSTEMS)
Department	DEPARTMENT OF POLITICAL AND SOCIAL SCIENCES
Course	COMMUNICATION, INNOVATION, MULTIMEDIA
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	1st semester (03/10/2016 - 17/12/2016)
ECTS	9
Lesson hours	74 lesson hours
Language	ITALIAN
Activity type	WRITTEN TEST
Teacher	PINI MASSIMILIANO (titolare) - 6 ECTS CAIANI MARCO - 3 ECTS
Prerequisites	=
Learning outcomes	=
Course contents	The course topics are: basic computer science (history of numerical computation, binary algebra, Boolean algebra, computer structure, operating systems, Internet), digital audio (basics of acoustic, sampling, digital audio formats), digital images (structure of a digital image, black / white images, color images, color theory, digital image processing, bitmaps, vector images, lossy and lossless compression, image file formats), digital video (characteristics of a digital movie, shooting techniques, video compression, video standard, video formats, techniques of non-linear editing)
Teaching methods	The theoretical study is integrated from the critical analysis of numerous

| | case studies and validated by the immediate practical experimentation (acquisition, processing, presentation, storage, transmission).

Workshop: the workshop will concern tools and techniques for produce and edit Digital Audio, Digital Images, desktop and web publishing, through the production of a group project. Each group (from 2 to five members) will produce, publish and publicly present a "soundscape" project. |
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| **Reccomended or required readings** | Massimiliano Pini, Lecture, 2015, http://www.unipv.it/digitalmediacim/ |
| **Assessment methods** | The students who have regularly attended can choose between two different options. Option 1: project (realized and presented during the workshop) and Wwitten exam (3 open questions); Option 2: Written exam (4 open questions).

Students who haven't attended: Written exam (4 open questions) and optional oral examination. |
| **Further information** | The students who have regularly attended can choose between two different options. Option 1: project (realized and presented during the workshop) and Wwitten exam (3 open questions); Option 2: Written exam (4 open questions).

Students who haven't attended: Written exam (4 open questions) and optional oral examination. |
| **Sustainable development goals - Agenda 2030** | $lbl_legenda_sviluppo_sostenibile |