## **DIGITAL HUMANITIES (LM70)**

(Università degli Studi)

		Teaching in italian VIRTUAL AND	<b>Course year</b> 2
Teaching VIRTUAL AND AUGMENTED REALITY APPLICATIONS GenCod A004196 Owner professor Lucio Tommaso DE PAOLIS		AUGMENTED REALITY APPLICATIONS Teaching VIRTUAL AND AUGMENTED REALITY APPLICATIONS SSD code ING-INF/05 Reference course DIGITAL HUMANITIE	Language INGLESE Curriculum COMUNE/GENERICO
		Course type Laurea Magistrale	Location
		Credits 9.0	Semester Primo-Semestre
		Teaching hours Ore-Attivita-frontale: 63.0 For enrolled in 2021/2022 Taught in 2022/2023	Exam type Orale
			Assessment Voto-Finale
			<b>Course timetable</b> https://easyroom.unisalento.it/Orario
BRIEF COURSE DESCRIPTION	technologies and	d provides a detailed analysis of the scier	eality (VR) and Augmented Reality (AR) ntific and functional aspects of VR systems. the building of spatial augmented reality
REQUIREMENTS	no requirements		
COURSE AIMS	Students will be heritage.	acquired knowledge in the main applica	ation of VR and AR technologies in cultural
TEACHING METHODOLOGY	The teaching cor	nsists of theoretical and practical lectures	5.
ASSESSMENT TYPE	The final exam co	onsists in the discussion on the project d	eveloped by the student.
FULL SYLLABUS			
	<ul> <li>Introduction</li> </ul>	to the Virtual Reality technology	
	<ul> <li>Visualization</li> </ul>	n devices	
		n the virtual environment	
		to the Augmented Reality technology	Pro Pro se
		ed and markerless augmented reality app Nugmonted Reality in Cultural Heritage	DIICATIONS
	<ul> <li>Virtual and F</li> <li>3D modeling</li> </ul>	Augmented Reality in Cultural Heritage g - Blender	

- Spatial augmented reality (video mapping)
- Practical lectures in laboratory



REFERENCE TEXT BOOKS	MONTAGNA L., Realtà Virtuale e Realtà Aumentata, Hoepli, 2018 MANIELLO D., Realtà aumentata in spazi pubblici. Tecniche base di video mapping, Le Penseur, 2014		
	MANIELLO D., AUGMENTED HERITAGE: dall'oggetto esposto all'oggetto narrato, Edizioni Le Penseur SIDDI F., Grafica 3D con Blender, Apogeo, 2009		