



### HYDRAULIC CONSTRUCTIONS (URBAN) A

Enrollment year	2018/2019
Academic year	2021/2022
Regulations	DM270
Academic discipline	ICAR/02 (MARITIME HYDRAULIC CONSTRUCTION AND HYDROLOGY)
Department	DEPARTMENT OF CIVIL ENGINEERING AND ARCHITECTURE
Course	
Curriculum	PERCORSO COMUNE
Year of study	4°
Period	2nd semester (07/03/2022 - 17/06/2022)
ECTS	3
Lesson hours	27 lesson hours
Language	Italian
Activity type	WRITTEN TEST
Teacher	FRANCHIOLI LUIGI DANTE - 3 ECTS
Prerequisites	Fundamentals of calculus (integrals, derivatives, differential equations) and mechanics (static and dynamic equilibrium). Basic knowledge of hydraulics.
Learning outcomes	Students will acquire conceptual and practical knowledge on the design of water supply and distribution systems and on urban drainage systems (both sanitary and stormwater systems).
Course contents	<p>WATER SUPPLY AND DISTRIBUTION SYSTEMS.</p> <p>Capture, transport and distribution for water supply systems.</p> <p>URBAN DRAINAGE SYSTEMS</p> <p>Separate and combined sewerage systems. Plan of the sewerage and</p>

	definition of the slopes. Calculation of diameters for sewage collectors.
<b>Teaching methods</b>	Lectures and practical classes.
<b>Reccomended or required readings</b>	<p>Lecture notes on the topics of the course.</p> <p>Milano V. (1996). Acquedotti. Guida alla progettazione. Hoepli, ISBN: 88-203-2292-7.</p> <p>A.A.V.V. (1997). Sistemi di fognatura. Manuale di progettazione. Hoepli, ISBN:88-203-2442-3.</p>
<b>Assessment methods</b>	Written test on the topics of the course. Optional oral examination for written test result equal or greater than 25/30. Maximum mark of 27/30 without oral exam.
<b>Further information</b>	Written test on the topics of the course. Optional oral examination for written test result equal or greater than 25/30. Maximum mark of 27/30 without oral exam.
<b>Sustainable development goals - Agenda 2030</b>	<a href="#">\$lbl legenda sviluppo sostenibile</a>