UNIVERSITÀ DI PAVIA

Anno Accademico 2021/2022

WATERWORKS AND SEWERAGE SYSTEMS PROJECT

Enrollment year	2021/2022
Academic year	2021/2022
Regulations	DM270
Academic discipline	ICAR/02 (MARITIME HYDRAULIC CONSTRUCTION AND HYDROLOGY)
Department	DEPARTMENT OF CIVIL ENGINEERING AND ARCHITECTURE
Course	CIVIL ENGINEERING
Curriculum	Idraulico
Year of study	1°
Period	2nd semester (07/03/2022 - 17/06/2022)
ECTS	6
Lesson hours	51 lesson hours
Language	Italian
Activity type	ORAL TEST
Teacher	TODESCHINI SARA (titolare) - 6 ECTS
Prerequisites	Course of Aqueducts and Sewerage Systems.
Learning outcomes	Students will elaborate on conceptual knowledge of water supply and distribution systems and on urban drainage systems. They will acquire practical knowledge on hydraulic infrastructures by drawing up a project of a water distribution system and a project of a sewerage system for an urban catchment. The course also deals with the aims of the 2030 Agenda for Sustainable Development of the United Nations. The course proposes design and management approaches consistent with important issues of the 2030 Agenda.
Course contents	Project of a water distribution system for an urban catchment. Project of a sewerage system for sanitary and stormwater flows in an urban catchment.

	Some issues mentioned in the course of "Aqueducts and sewerage systems" will be examined in depth. "No-dig" technologies will be examined both for new and existing urban infrastructures. Some topics of the course are consistent with important issues of the 2030 Agenda for Sustainable Development of the United Nations: Goal 6. Ensure availability and sustainable management of water and sanitation for all. Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable. Goal 12. Ensure sustainable consumption and production patterns. Goal 13. Take urgent action to combat climate change and its impacts.
Teaching methods	Lectures: 51 hours/year.
Reccomended or required readings	Lecture notes on the topics of the course. Milano V. (1996). Acquedotti. Guida alla Progettazione. Hoepli, ISBN: 88-203-2292-7. AA.VV. (1997). Sistemi di fognatura. Manuale di progettazione. CSDU - Hoepli, ISBN: 88-203-2442-3. AA.VV. (2014). Acque di prima pioggia nei sistemi di fognatura. Manuale di progettazione. CSDU, Hoepli, ISBN: 978-88-203-6322-2.
Assessment methods	Oral examination on the topics of the course and project illustration.
Further information	
Sustainable development goals - Agenda 2030	$lbl_legenda_sviluppo_sostenibile