



## RIVER TRAINING AND FLOODPLAIN PROTECTION

<b>Enrollment year</b>	2014/2015
<b>Academic year</b>	2015/2016
<b>Regulations</b>	DM270
<b>Academic discipline</b>	ICAR/02 (MARITIME HYDRAULIC CONSTRUCTION AND HYDROLOGY)
<b>Department</b>	DEPARTMENT OF CIVIL ENGINEERING AND ARCHITECTURE
<b>Course</b>	ENVIRONMENTAL ENGINEERING
<b>Curriculum</b>	ENERGIE RINNOVABILI
<b>Year of study</b>	2°
<b>Period</b>	2nd semester (29/02/2016 - 10/06/2016)
<b>ECTS</b>	6
<b>Lesson hours</b>	45 lesson hours
<b>Language</b>	Italian
<b>Activity type</b>	WRITTEN AND ORAL TEST
<b>Teacher</b>	GHILARDI PAOLO - 6 ECTS
<b>Prerequisites</b>	basic knowledge of hydraulics and hydrology; Fluvial Hydraulics course is warmly suggested
<b>Learning outcomes</b>	the student will learn the basis of river works and floodplain management
<b>Course contents</b>	Fluvial geomorphology and river mechanics Streambank stabilization techniques Levees River basin management Risk assesment in floodplains

	Flood mitigation
<b>Teaching methods</b>	lectures and practical work with computers
<b>Reccomended or required readings</b>	<p>Course lecture notes available on Kiro.</p> <p>Armanini, A.. Principi di idraulica fluviale. BIOS.</p> <p>Da Deppo L., Datei C., Salandin P.. Sistemazione dei corsi d'acqua. Libreria Cortina, Padova.</p> <p>Przedwojski B. et al.. River Training Techniques. Balkema.</p>
<b>Assessment methods</b>	the successful candidate will be able to solve a written test showing his or her capability to understand and apply the basic skills of river works design and of floodplain management strategies
<b>Further information</b>	
<b>Sustainable development goals - Agenda 2030</b>	<a href="#">\$lbl legenda sviluppo sostenibile</a>