

General Information	
Academic subject	Hydrology (sub-course within the integrated course of Water Resources)
Degree course	TUGEST
Curriculum	
ECTS credits	3
Compulsory attendance	No
Language	Italian

Subject teacher	Name Surname	Mail address	SSD
	Fabio Milillo	fabio.milillo@uniba.it	AGR/08

ECTS credits details	Subject field	SSD	ECTS
Basic teaching activities	Agriculture and Forest Engineering	AGR/08	3

Class schedule	
Period	I ^ semester
Year	second
Type of class	Lecture- workshops

Time management	
Hours	75
In-class study hours	30
Out-of-class study hours	45

Academic calendar	
Class begins	October 2, 2017
Class ends	January 26, 2018

Syllabus	
Prerequisites/requirements	Mathematics, Physics (Kinematics)
Expected learning outcomes	<p><i>Knowledge and understanding</i>  Fundamental laws of Hydrology, with a focus on Engineering Hydrology</p> <p><i>Applying knowledge and understanding</i>  Assessing extreme values of hydrologic quantities  Making informed judgements and choices  Putting hydrologic phenomena into a rigorous scientific frame.  Identifying strengths and weaknesses of a land in a hydrological perspective</p> <p><i>Communicating knowledge and understanding</i>  Ability to expose and comment the topics clearly and rigorously  Ability to interact with a broad spectrum of interlocutors</p> <p><i>Capacities to continue learning</i>  Ability to acquire knowledge and spend it at work, as well as in continuous training  Ability to select reliable sources of scientific information</p>
Contents	<ul style="list-style-type: none"> <li>Putting Hydrology in the water cycle. The watershed. Genesis, measure and assessment of precipitations.</li> </ul>

	Rainfall-runoff relationships. Assessment of design rainfall and discharge.
Course program	
Bibliography	<ul style="list-style-type: none"> <li>• Classes videos (available at <a href="https://www.youtube.com/user/mlfb0lag/playlists">https://www.youtube.com/user/mlfb0lag/playlists</a>)</li> <li>• Ward R.C. and Robinson M. (2000) Principles of Hydrology. McGraw-Hill.</li> </ul>
Notes	
Teaching methods	Most topics will be taught with blackboard and crayon. When necessary, slides and videos will be used.
Assessment methods (indicate at least the type written, oral, other)	Oral. If the student passes the midterm test, the score is the average between midterm and final scores. Examinations can be carried out in English or in French.
Evaluation criteria	The examination commission verifies to what extent the student reached the above mentioned "Expected learning outcomes".
Further information	