

PhD programme in Earth, Environmental and Resources Sciences

Instructor(s)	Silvia, Fabbrocino, DiSTAR - UNINA
Course Title	A cross-disciplinary strategy for managing and safeguarding water resources and land
Total Number of Hours	12
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Course Description

The course aims to provide the doctoral student with methodological tools to manage water resources sustainably. The development of the strategy process is designed to facilitate correlations and integrations with the basic geological and engineering geological aspects of other disciplines. Thus, the student will have the ability to contextualize the hydrogeological knowledge in spatial planning and regulatory aspects, and to support critical analysis and assessments for mitigating and preventing natural risks.

Course Contents

1. Module / Topic 1 – Water resources for sustainable development of territories - n. 4hrs
2. Module / Topic 2 – Integrating hydrogeological modeling into spatial planning- n. 4hrs
3. Module / Topic 3 – Case studies - n. 4hrs

Learning Outcomes

By the end of the course, doctoral students will be able:

- to acquire methodological tools for sustainable management of water resources;
- to contextualize the hydrogeological knowledge in the field of spatial planning and regulatory aspects, promoting critical analyses and assessments to mitigate and prevent natural risks;
- to communicate and transfer his knowledge and conclusions to both specialist and non-specialist interlocutors;
- to learn independently and promote virtuous paths for sustainable development of the territory.



Teaching Format

Lectures, seminars, discussion of scientific papers

Essential Bibliography (optional)

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Assessment Method (optional)

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