



France

**Master's Program in Environmental Fluid Mechanics  
2025-2026**

**First year : « M1 Applied Mechanics »**

**Summary**

**Tools and methods: 15 ECTS**

**Research project: 21 ECTS**

**English or French: 3 ECTS**

**Lectures: 21 ECTS**

**FIRST SEMESTER**

<b>English or French</b>	<b>3 ECTS</b>
<b>Mechanics of continuous media*</b>	<b>3 ECTS</b>
<b>Fluid mechanics</b>	<b>3 ECTS</b>
<b>Experimental techniques and methods (I)</b>	<b>3 ECTS</b>
<b>Numerical methods in fluid mechanics (I)</b>	<b>3 ECTS</b>
<b>Image and signal processing</b>	<b>3 ECTS</b>
<b>Convection in industrial and geophysical flows</b>	<b>3 ECTS</b>
<b>Research project 1</b>	<b>9 ECTS</b>

**SECOND SEMESTER**

<b>Research project 2</b>	<b>12 ECTS</b>
<b>Experimental techniques and methods (II)</b>	<b>3 ECTS</b>
<b>Numerical methods in fluid mechanics (II)</b>	<b>3 ECTS</b>
<b>Introduction to instability and turbulence</b>	<b>3 ECTS</b>
<b>Waves in fluids</b>	<b>3 ECTS</b>
<b>Introduction to Geophysical fluid dynamics</b>	<b>3 ECTS</b>
<b>Environmental flows</b>	<b>3 ECTS</b>