## Course Information

**Code:** ENVE 433  
**Course:** Hydraulics II  
**Mandatory:** X  
**Elective:**  
**Specialization:**  
**Semester:** X X E  
**Teaching Units:** 3  
**ECTS:** 5  
**Teaching Hours per week:** Θ A E 3  
**Instructors:** N. Nikolaidis, G. Karatzas, E. Varouchakis, A. Koutroulis  
**Textbooks (Eudoxus):**  
**Other recommended books:**  
**Notes:** E-class  
**Labs:**  
- # of lab exercises: 7  
- Individual Reports: X  
- Team Reports:  
- Lab final written exam:  
- % of Final Lab Grade:  
**Final Grade:**  
- Final Exam:  
- Project ( ):  
- Labs: 100 %  
- Other ( ):  

## Course Syllabus:

**HYDRAULICS AND HYDROLOGY LABS**
1. Hydraulic jump and stilling basins  
2. Specific energy-critical depth  
3. Flow over and vee notch weir. Broad crested weir  
4. Measurement of water flow in river  
5. Hydrometeorological measurements  

**GROUNDWATER FLOW LAB**
6. Darcy Law – Demonstration of water groundflow, calculation of hydraulic gradient and calculation of hydraulic conductivity  
7. Demonstration of water groundflow, and calculation of hydraulic conductivity in confined aquifer