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| N° ECUE | XA4S800 |
| Title | Practical work in hydraulics |
| ECTS |  | Lecture(h)CM  |  | Tutorials (h)TD  |  | Pratical works (h) TP  | 30h | Project (h) |  |
| The students apply the flow models studied in the courses: general hydraulics, free surface hydraulics and underground hydraulics5 practical works are done (one per day) in groups of 3 students:* Groundwater flow: Darcy and Brooks-Corey laws
* Free surface flow:
	+ gradually and rapidly varied flows (weir, hydraulic jumps)
	+ Venturi flume: waterline, depth/discharge relationship
	+ Friction laws in open channel hydraulics
* Closed-conduit flow:
	+ Linear and singular head-losses laws
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| Key Words | Free surface flow, closed-conduit flow, groundwater flow |
| Type of Evaluation | One report per practical work |