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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 hydraulics  5 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 | | | | | | | | | |
| Key Words | Free surface flow, closed-conduit flow, groundwater flow | | | | | | | | |
| Type of Evaluation | One report per practical work | | | | | | | | |