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| N° ECUE | XA4S710 | | | | | | | | |
| Title | Water chemistry and chemical treatment | | | | | | | | |
| ECTS |  | Lecture(h)  CM 19.5 |  | Tutorials (h)  TD 9 |  | Pratical works (h) TP 22.5 |  | Project (h) |  |
| Description  This lesson allows to know the main chemical elements present in natural water and to know their impact on the water quality (dissolved gas, ions, sediments, pollutants, etc..). The fundamental chemical treatments are addressed: calco-carbonic balance, disinfection.  Aggressive and scaling properties of water (problems - graphic resolution - treatments, water softening processes. Oxidants and water treatment: Disinfection (chlorination, ozonation, UV ...); treatment of industrial wastewater. | | | | | | | | | |
| Key Words | * Water desinfection * Major elements of water * calco-carbonic balance * Softening process * Water quality | | | | | | | | |
| Type of Evaluation | Exam  Practical work | | | | | | | | |