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| N° ECUE | XA4S813 |
| Title | Water treatment plants |
| ECTS |  | Lecture(h)CM 28.5 |  | Tutorials (h)TD 9 |  | Pratical works (h) TP |  | Project (h) |  |
| DescriptionBased on the knowledge of unit operation of water treatment operations, the course provides the basic elements allowing the definition of associated water treatment and by-products while highlighting the challenges of their construction, their implementation work and exploitation. This course is illustrated with examples of case studies and students are invited to deal with a real case of pre-station sizing.General presentation of objectives2. Drinking water treatment plant Classification of pollutants and treatment processes / Design of a treatment system / Case studies. Wastewater treatment plantClassification of pollutants and treatment processes / Design and comparison of sectors / Case studies4. Sludge packaging lines and other co-productsProblem / Dehydration processes / Stabilization processes / Conditioning processes / Design of a sector and case studies |
| Key Words | * Drinking water
* Wastewater
* Sludge treatment
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| Type of Evaluation | ExamPractical work |