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Waste treatment and valorization

ECTS
5 crédits

Hourly volume
63h

Introducing

Objectives

At the end of this module, the student will have understood and be able to explain:
- the legal and usual definitions of wastes in France.
- the strategies for waste treatment
- the principles of unit operations and processes commonly used in solid waste reduction, treatment or valorisation (chemical, biochemical or thermal processes).

The student will be able to:
- identify basic rules and policies for an environmental problem, and use it to define a technical problem or to propose an adapted solution
- quantify the dispersion of air pollutants from industrial sources
- determine the valorisation potential for an industrial waste (or gas effluent or wastewater)
- analyse and design processes the treatment or valorisation of solid wastes

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Necessary prerequisites

Good knowledge of the basis of chemical engineering

Practical info

Location(s)

📍 Toulouse

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