

SUBJECTS GUIDE

The Subjects

The course is divided into two different subjects, namely:

1. Wastewater treatment and reuse;
2. Treatment and disposal of the urban solid waste.

The subjects are divided into different units, each focused on one specific topic, as detailed below. Every unit contains key theoretical information, operating diagrams, practical descriptions and images with reference to real case studies, applicative solved examples to exercise your own design skills.

Subject 1 “*Wastewater treatment and reuse*” concerns municipal wastewaters, treatment plants and reuse. The subject is divided into:

- Unit 1: Features of the municipal wastewater;
- Unit 2: Wastewater treatment plants;
- Unit 3: Wastewater reuse.

Subject 2 “*Treatment and disposal of the urban solid waste*” concerns urban solid waste, waste treatment and disposal, with particular reference to urban areas, as well as an introduction to methods for the siting of landfills. The subject is divided into:

- Unit 1: Features of the urban solid waste;
- Unit 2: Solid Waste Disposal: landfills;
- Unit 3: Separation and recycling of urban solid waste;
- Unit 4: Biological treatments.

Each subject has a “User guide” which contains information about scope, contents, available resources, exercises e study method.

After a careful reading of the “User guide” you will be able to browse the contents by subject where you will find:

- theoretical text: it is the key subject document which presents the main contents of the topic; reading is mandatory;
- further reading: it is a folder which contains further documents concerning a specific topic related to the subject; reading isn't mandatory but recommended;
- exercise: mandatory activity to check your skills.

Exercises

The exercises are mandatory and shall be compiled by accessing the platform. The feedback deadline for each exercise is shown at the calendar on the right side of the platform.

Certificate of Attendance

A certificate of attendance will be issued at the end of the course on the basis of attendance to at least 80% of the activities and of the correct answers to at least 60% of the questions asked in the final test.

The final test shall contain 10 questions concerning the most significant topics dealt with in the course materials and resources.