



OUVRAGES DE PRODUCTION D'ENERGIE

CONSTRUCTION OF ENERGY PRODUCTION

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| Lecturers : 20.0 | TC : 0.0 | PW : 0.0 | Autonomy : 0.0 | Study : 8.0 | Project : 0.0 | Language : FR

Objectives

- Know the installations associated with the production of nuclear, hydroelectric and wind energy.
- Know how to apply the basic concepts of design and safety

Keywords : Power systems, nuclear power plant, dams, safety, design, wind power

Programme

Nuclear works

1. Presentation of general site plans (relative locations and role of structures)
2. The texts governing the design and operation of nuc structures, having an impact on the design
3. Safety requirements and general civil engineering installation
4. Design of structures: from basic texts to sizing criteria
5. Introduction to simplified reliability studies applied to civil engineering
6. Containment enclosures

Learning outcomes

- - Layout design - Safety Assessment

Independent study

Objectifs : This activity is not concerned with framed autonomy activities outside personal work.

Méthodes : This activity is not concerned with framed autonomy activities outside personal work.

Core texts

Assessment

- knowledge score: final exam without documents
- know-how score: BE study by group of 2