DPT FORMATION INITIALE AUX METIERS DE L'INGENIEUR FIRST CYCLE



INSA Campus LyonTech 8 allée Lumière - Batiment Louis NEEL - 69621 VILLEURBANNE Phone 0472438960

Projects

Course Energy and its various forms

IDENTIFICATION

CODE: PC-S4-P2i4-TF ECTS: 10.0

HOURS

Lectures: 42.0 h
Seminars: 36.0 h
Laboratory: 12.0 h
Project: 90.0 h

Teacher-student

contact: 180.0 Personal work: 90.0 Personal work: 270.0 Personal work: 270.0 Personal work: 270.0 Personal work with the second second

ASSESSMENT METHOD

TEACHING AIDS

TEACHING LANGUAGE

French

CONTACT

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AIMS

This program of education introduces students to the problem of energy conversion, of any types, and to the environmental impact of this conversion.

This education includes learning to analyze the operating principle and the efficiency of an energy technology (cogeneration, heat pump, thermal or photovoltaic solar energy, fuel cell, nuclear power plant), and to understand the mechanisms (cultural, sociological, economic, technological) which make it become dominant or on the contrary remain marginal. During this program of education, the students will also design and realize a particular energy system.

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