

Energy Management

Energy management includes planning and operating energy production and energy consumption units as well as energy distribution and storage. Objectives are resource conservation, climate protection and cost savings, while the users have permanent access to the energy they need. It is closely connected to environmental management, production management, logistics and other established business functions.

Period:	Period 1
Course coordinator:	Prof. Gabriele Loreti - University of Tuscia - email: gabriele.loreti@unitus.it
Lecturer:	Prof. Gabriele Loreti - University of Tuscia - email: gabriele.loreti@unitus.it
Educational management portal:	moodle.unitus.it
Objectives:	This module aims at providing the students with the instruments and methodologies for effective energy management in final uses
Programme:	Industrial energy vectors; Metering energy consumption and efficiency; Statistical energy management; Energy benchmarking (KPIs); Energy prices and contracts; Efficiency incentivization. Fundamentals of local energy storage: Financing Renewable energy
Pre-requisites:	i) Thermodynamics fundamentals. ii) Energy conversion systems fundamentals; iii) Renewable energy fundamentals
Study material:	<ul style="list-style-type: none">● Lecture slides;● Reading material;● Additional literature handed out during the course / made available via Blackboard.