



Direzione Ricerca,
Innovazione e
Internazionalizzazione

**UNIVERSITÀ
DI TORINO**

ID

VP_126_MAN

Visiting Professor Program Academic Year 2025/2026

TEACHING COMMITMENT: 42 hours

COURSE TITLE

Environmental Management Systems

TEACHING PERIOD

I semester

SCIENTIFIC AREA

Commodity Science

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

Nowadays, the environment represents a key factor for companies' competitiveness, independently on their aim, dimension and business sector. The environment, in fact, provides companies with natural resources and materials that feed the production system as inputs to be converted in products or services (output). In doing so, processes also produce unwanted outputs in terms of environmental impacts: air emissions, waste, etc. Minimizing these impacts not only contributes to improve the environmental conditions, but also helps companies in improving their efficiency and profitability.

In order to deal with the environmental variables in the best possible way, companies may rely on international "tools" that can give conceptual frameworks for considering and managing the production processes. In particular, International standards guide companies in identifying critical processes so that they can implement an Environmental Management System (EMS) as a tool for checking and considering all the different company's units thanks to the adoption of a systemic approach. International Standards for the environment, as ISO 14001 and the European Regulation

EMAS – Eco-Management and Audit Scheme - are helpful for assessing strategies that take into consideration the new development paradigm of the circular economy, which focus its attention particularly on reduction of material and energy resources.

LEARNING OBJECTIVES

At the end of the course, the student will be able in auditing and analysing the relationship between companies' processes and the environment and in the knowledge and the correct use of voluntary and mandatory normative instruments.

OTHER ACTIVITIES BESIDE THE COURSE

VISITING PROFESSOR PROFILE

The ideal candidate is expected to possess an academic background in economics, with a solid expertise in the interconnections between energy, environment, and water, as well as in the tools for sustainable energy transition and the field of economic geography. Her/his research should encompass specific areas such as technology diffusion, the socio-economic impacts of local development paradigm, and the analysis of mixed and multi-scale decision-making processes at the local level.

CONTACT REFERENT

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