Visiting Professor Program  
Academic year 2022/2023

TEACHING COMMITMENT: 42 hours

COURSE TITLE
Environmental Management Systems

TEACHING PERIOD
1st term

SCIENTIFIC AREA
Commodity Science

LANGUAGE USED TO TEACH
English

COURSE SUMMARY
The Environment: Atmosphere, Hydrosphere and Lithosphere - Pollutants and Depollution techniques.
Bioeconomy, Green economy, Circular economy and Sustainable development Goals: concepts and evolution.
Life Cycle Thinking.
Life Cycle Assessment: concept and examples.

LEARNING OBJECTIVES
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 improvement.

**TUTORSHIP ACTIVITIES**
N/A

**LAB ACTIVITIES**
N/A

**OTHER ACTIVITIES BESIDES THE COURSE**
N/A

**ADDITIONAL COURSE**

**COURSE TITLE**
Environmental Management Systems

**TEACHING PERIOD**
1st term

**SCIENTIFIC AREA**
Commodity Science

**LANGUAGE USED TO TEACH**
English

**COURSE SUMMARY**
The Environment: Atmosphere, Hydrosphere and Lithosphere - pollutants and depollution techniques

Bioeconomy, Green economy, Circular economy and Sustainable Development Goals: concepts and evolution

Life Cycle Thinking

Life Cycle Assessment: concept and examples


**LEARNING OBJECTIVES**
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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.

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In particular, International standards guide companies in identifying critical processes so that they can implement an Environmental Management System (EMS) as a tool for improvement.

TUTORSHIP ACTIVITIES
N/A

LAB ACTIVITIES
N/A

OTHER ACTIVITIES BESIDES THE COURSE
N/A

VISITING PROFESSOR PROFILE
The Visiting Professor should provide evidence on his/her theoretical and practical experience in the fields of environmental management systems (ISO 14001 and EMAS Regulation) and eco-labelling for products and services (ie, the European ecolabel).

CONTACT PERSON AT THE DEPARTMENT
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