

## Faculty of Economic, Social and Political Sciences



### IAG3051 Management environnemental

[30h] 5 credits

**Teacher(s):** Daniel Tyteca  
**Language:** French  
**Level:** Third cycle

#### Aims

The course is part of the package "Environment" of the 3rd year program of Management Engineer. It is therefore conceived as a close complement to the other two courses in the package, namely, "Business and the environment" (FSA 2245) and the seminar "Management of environmental issues" (ESPO 2104). The teaching objective of the courses and the seminar as a whole is to enable students to understand and properly manage contemporary environmental matters inside companies. More specifically, the object of the course Environmental Management is to explain and help students to properly exploit the tools of environmental management. Its purpose is also to sensitize company managers to the essential issues of natural resources management and sustainable development, and to stimulate them to incorporate such dimensions into management policies and strategies.

#### Content and teaching methods

The course alternates ex cathedra presentations and discussions with students. Representatives from sectors concerned by the topic (companies, federations, administration) are invited to share their experience. The materials taught during the course are largely exploited in the scope of the seminar "Management of environmental issues".

General introduction

Historical perspective

Sustainable growth and development

Interactions between companies and the environment

Elements of environmental legislation applicable to companies

Environmental management

Environmental technologies

Curative vs. preventive measures - Clean technologies

Industrial ecology

Innovation, communication

Strategic options of companies

Risk management and environmental strategy

Environmental management tools

Environmental diagnostic and audit

Environmental management systems

Certification (ISO, EMAS), environmental reporting

Management control

Environmental accounting

Life cycle assessment

Environmental performance indicators

Global Reporting Initiative

Application of EMAS in the Walloon Region - Incentives from the Region to companies

**Other credits in programs**

|                   |   |              |           |
|-------------------|---|--------------|-----------|
| <b>ECGE3DS/AC</b> | Diplôme d'études spécialisées en économie et gestion (Master in business administration) (audit et contrôle de gestion) | (15 credits) | Mandatory |
| <b>IAG23M</b>     | Troisième année de Maîtrise en sciences de gestion (orientation "méthodes quantitatives de gestion")                    | (15 credits) | Mandatory |
| <b>IAG23M/PM</b>  | Troisième année de maîtrise en sciences de gestion (Création d'entreprise)  | (15 credits) | Mandatory |
| <b>INGE23/G</b>   | Troisième Ingénieur de gestion (Générale)   | (15 credits) | Mandatory |
| <b>INGE23/PM</b>  | Troisième Ingénieur de gestion (Création d'entreprise)  | (15 credits) | Mandatory |