

**Integrated Management Models: Environment**

Code: 104011  
ECTS Credits: 6

Degree	Type	Year	Semester
2502501 Prevention and Integral Safety and Security	OB	3	1

**Contact**

Name: José Manuel Bueno Martínez  
Email: JoseManuel.Bueno@uab.cat

**Use of Languages**

Principal working language: spanish (spa)  
Some groups entirely in English: No  
Some groups entirely in Catalan: Yes  
Some groups entirely in Spanish: No

**Prerequisites**

this subject does not prerequisite.

**Objectives and Contextualisation**

- Introduce general aspects about the environment and sustainable development
- Describe the general concepts about environmental management systems of organization and products.
- Know the ISO 14001 norm and the European eco-audits following the EMAS regulation.
- Apply different procedures necessary for the practical implementation of an environmental management and audit system based on specific cases.
- Analyze the possible criminal responsibility in the field of environmental and collective safety.

**Competences**

- Be able to communicate efficiently in English, both orally and in writing.
- Carry out analyses of preventative measures in the area of security.
- Identify the resources necessary to respond to management needs for prevention and integral security.
- Know how to communicate and transmit ideas and result efficiently in a professional and non-expert environment, both orally and in writing.
- Respond to problems applying knowledge to practice.
- Use the capacity for analysis and synthesis to solve problems.
- Work in institutional and interprofessional networks.

**Learning Outcomes**

1. Analyse the preventative interventions in matters of security, environment, quality and social corporate responsibility and identify the inherent risk factors.

2. Be able to communicate efficiently in English, both orally and in writing.
3. Identify the infrastructure, technology and resources necessary to respond to operations in prevention and integral security.
4. Identify the resources necessary for managing security, the environment, quality and social corporate responsibility.
5. Know how to communicate and transmit ideas and result efficiently in a professional and non-expert environment, both orally and in writing.
6. Respond to problems applying knowledge to practice.
7. Use the capacity for analysis and synthesis to solve problems.
8. Work in institutional and interprofessional networks.

## Content

The environment and natural resources are a common good of all humanity, both current and future. For this reason:

We currently have several environmental management tools in companies.

The concept of an integrated environmental management system is close to reality.

Topic 1. Introduction to the environment and environmental management.

Environment and sustainable development.

Business and the environment

Environmental strategy to the company.

Environmental management instruments.

Topic 2. Environmental management at the organization level

basic concepts

Motivations and advantages

Options to implement an SGA

actors involved

Stages of implantation

economic valuation

Topic 3. Environmental product management

Introduction

ecodesign

Environmental communication (eco-labels)

green purchase

Topic 4. Criminal law and the environment.

Criminal legal concept of the environment and collective security.

Environmental crimes.

Crimes against the collective security.

## Methodology

The teaching methodology will combine the individual study from the Manual with the tutoring of the teaching staff.

The students will prepare the syllabus autonomously and the videoconferencing will be used for doubts.

A forum of doubts will also be created where students can ask the questions.

## Activities

Title	Hours	ECTS	Learning Outcomes
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Type: Directed

theoretical classes	6	0.24
Type: Supervised		
Discussion forums, resolution of practical cases and tests. Tutorials and videoconference sessions	24	0.96
Type: Autonomous		
Resolution of practical cases. Realization of works. Personal study.	120	4.8

## Assessment

### Delivery of Continuous Evaluation Tests (PEC) (40%)

Throughout the course a total of 2 continuous assessment practices will be carried out:

- PEC 1. Initial environmental evaluation. Identification of environmental risks and opportunities.
- PEC 2. Environmental management program including the analysis of the environmental policy.

It is a requirement to obtain at least a 3.5 out of 10 of the average mark of the two continuous evaluation tests.

Delivery of exercises and problems (10%)

Final Test of Continuous Evaluation (50%)

It is a requirement to obtain at least a 3.5 out of 10 of the grade of the test.

In case of not passing the subject according to the aforementioned criteria, the student will have to pass the subject.

To participate in the recovery the students must have been previously evaluated in the continuous evaluation tests.

Students who need to change an evaluation date must submit the request to the teacher in charge of the subject.

Without prejudice to other disciplinary measures deemed appropriate, an evaluation date will be established for the recovery.

The tests / exams may be written and / or oral at the discretion of the teacher in charge of the subject.

## Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Follow-up exercises on environmental news.	10%	0	0	2, 8
Practicum 1. PEC1	20%	0	0	6, 7
Practicum 2. PEC 2	20%	0	0	5
Written and / or oral tests that allow to value the knowledge acquired by the student.	50%	0	0	1, 4, 3

## Bibliography

AENOR EDICIONES (2006) Gestión Ambiental. Manual de normas UNE. Serie Medio Ambiente. Madrid

Cascio J (1996) ISO 14000 guide: the new international environmental management standards. McGraw-Hill. New York.

Durán G (2007) Empresa y medio ambiente. Políticas de gestión ambiental. Ediciones Pirámide. Madrid.

Generalidad de Cataluña (1997). Guía para la implantación y el desarrollo de un sistema de gestión ambiental. Barcelona.

Generalidad de Cataluña (2000). Guía práctica para la implantación de un sistema de gestión ambiental. Manuales de ecogestión 2. Barcelona.

Hillary R (2002). ISO 14001: Experiencias y casos prácticos. AENOR: Madrid.

Lamprecht, JL (1997) ISO 14000. Directrices para la Implantación de un Sistema de Gestión Medioambiental. AENOR. Madrid

Ludevid M (2000) La gestión ambiental de la empresa. Editorial Ariel, SA. Barcelona.

MUÑOZ CONDE, Francisco (2004): Derecho penal. Parte especial. 15 ed. Valencia: Tirant lo Blanch.

### ***Enlaces web***

AENOR

[www.aenor.es](http://www.aenor.es)

Empresa y Evaluación Ambiental. Departamento de Territorio y Sostenibilidad. Generalidad de Cataluña.

<http://www20.gencat.cat/portal/site/dmah/menuitem.685af0bd03466a424e9cac3bb0c0e1a0/?vgnextoid=4977531>

Environmental Management Systems. US Environment Protection Agency

<http://www.epa.gov/ems/>

EU Eco-Management and Audit Scheme (EMAS) [http://ec.europa.eu/environment/emas/index\\_en.htm](http://ec.europa.eu/environment/emas/index_en.htm)

Instituto Internacional de Desarrollo Sostenible: la empresa y el desarrollo sostenible

<http://www.iisd.org/business>

Integrated Product Policy (IPP)

[http://europa.eu/legislation\\_summaries/consumers/consumer\\_safety/l28011\\_en.htm](http://europa.eu/legislation_summaries/consumers/consumer_safety/l28011_en.htm)

International Organisation for Standardization (ISO)

<http://www.iso.org>

Medio Ambiente. Universidad Autónoma de Barcelona (UAB)

<http://www.uab.cat/mediambient/>

Serie ISO 14000 y Sistemas de Gestión Ambiental: una base para la sostenibilidad