

Integrated Management Models: Environment

Code: 101843
ECTS Credits: 6

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

Contact

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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: Yes

Prerequisites

This subject has no pre-requirerments

Objectives and Contextualisation

The environment and natural resources are a common good of all humanity, both current and future. For this reason, both the society in general and the companies in particular have to take responsibility for the impact that we cause on the environment. This principle must be extended to all organizations and especially those that, due to their activity, may have a negative impact on the environment.

At present, we have several tools for environmental management in companies, including environmental management systems (ISO 14.001, EMAS, etc.) and the ecological labeling of more respectful products and services, such as systems of responsibility and sustainable development. These tools, voluntary but of a public nature, are based on the principle of continuous improvement of environmental management.

The concept of an integrated environmental management system is intimately linked to that of environmental and quality auditing. This could be defined as 'an organizational structure, planning of activities, responsibilities, practices, procedures, processes and resources to develop, implement, carry out and keep up to date the environmental policy of a company'. This subject will present the basic tools and instruments for the environmental management of organizations, whether public or private.

Introduce general aspects about the environment and sustainable development.

Describe the general concepts about organizational environmental management systems and products
Know the norm ISO 14001 and 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 possible criminal responsibility in the field of environmental and collective security.

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

Topic 1. Introduction to the environment and environmental management

Environment and sustainable development

Company and environment

Environmental strategy in the company

Environmental management instruments

Topic 2. Environmental management at the organization level

Basics

Motivations and advantages

Options to implement an SGA

Actors involved

Implementation stages

Economic evaluation

Topic 3. Product environmental management

Introduction

Ecodesign

Environmental communication (eco-labels)

Green buy

Topic 4. Criminal and environmental law

Criminal legal concept of the environment and collective security

Environmental crimes

Crimes against collective security

Methodology

The theoretical classes in the classroom will combine the lectures, which will occupy most of the time, and the development and resolution of work exercises, usually individual or in pairs. The practical classes in the classroom, divided into two groups, will consist of the development of exercises and group work, in which some of the concepts presented in the theoretical classes will be applied to practice. Subsequently a pooling will be carried out from which the corresponding academic conclusions were drawn. The autonomous activities correspond to both the personal study and the resolution of the exercises and work proposed by the teacher. Each student should investigate documentation of topics related to the subject matter of study and personal consolidation work on what is exposed in class (scheduled readings, individual exercises). In addition, you should monitor and study different exercises and case studies. The evaluation activities will evaluate the knowledge and competences acquired by the students, according to the criteria presented in the following section.

Tutorials with the faculty will be arranged by email.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Theoretical classes: Master Classes in group. Practical classes: Resolution of cases with the student's active participation	44	1.76	6, 1, 4, 3
Type: Supervised			
Follow-up tutorials for group work: teacher supervision, Presentations in the classroom by the students. Debate and discussion around the exposed material.	12	0.48	2, 5, 6, 1, 4, 3, 8, 7
Type: Autonomous			
Resolution of practical cases: individual resolution of exercises proposed by the teacher. Group work: practical cases worked in groups. Personal study: personal work of knowledge consolidation, scheduled readings, etc.	94	3.76	6, 1, 4, 3

Assessment

The course evaluation system is continuous, and minimum attendance of 80% is required in order to pass the subject. The minimum average grade to pass is a 5.

At the same time, in accordance with the regulations of the UAB "Without prejudice to other disciplinary measures that are deemed opportune, and in accordance with the current academic regulations," should the student carry out any irregularity that may lead to a Significant variation of the qualification of an evaluation act, this evaluation act will be classified with a 0, regardless of the disciplinary process that can be instructed. In case there are several irregularities in the evaluation acts of a same subject, the final grade of this subject will be 0 ". In all the documents to be delivered and exercises to be developed, the formal expression of the students will be valued, including editorial aspects, spelling and communicative ability.

Written and oral tests that allow to assess the knowledge acquired by the student (40%)

There will be a theoretical test type that equals 40% of the grade of the subject (incorrect answers punish). It is a requirement to take at least 4 in this exam to average the remaining marks of the subject (that is, for the student to obtain an 'evaluatable' note).

Delivery of exercises and problems (40%)

Throughout the course, there will be a total of 5 practical classes, each of which will be evaluated with the delivery of an exercise and / or presentation in class. Each one of the practices is equivalent to 8% of the final grade. The different practical sessions correspond to:

- Practical 1. Initial environmental evaluation.
- Practice 2. Identification of environmental aspects.
- Practice 3. Environmental management program.
- Practice 4 Presentation practical exercise SGA (practices 1, 2 and 3)
- Practice 5. Environmental criminal law (analysis of criminal liability).

It is a requirement to take at least 4 of averagemark of the five practices so that it makes average with the rest of notes of the subject and the note is evaluatable.

Continuous evaluation (20%)

During the course, 4 individual tests (~ 10 minutes) will be done on the contents worked on in previous sessions. These tests will count 20% of the mark (therefore, each of them will be worth 5%). One not submitted to one of the tests is equivalent to 0. There is no minimum mark.

In case the test is a type test exercise, this may be:

- double alternative test.
- Multiple options option test.

In both cases, the successes score 1 and the errors penalize ' $1 / (a-1)$ ', where 'a' is the number of alternatives.

In case the test consists of a short answer question, the test will be evaluated with a note of up to 4 points.

Recovery test:

The student who does not exceed the subject, that is, does not reach an average grade of 5 out of 10, or has obtained a "non-evaluatable" (which are those cases that have not reached 4 in the " theoretical exam or the average mark of the practices), may be submitted to the final exam of the total of the subject. This exam will consist of an evaluation test to which all the contents of the subject will be revalued. The mark obtained in this exam will be the mark of the subject.

The use of a laptop in classrooms will be allowed in certain sessions (the teacher will inform when its use is possible and / or recommended).

If you do not pass the subject in accordance with the aforementioned criteria (continuous assessment), you can do a recovery test on the scheduled date in the schedule, and that will cover all the contents of the program.

To participate in the recovery students must have been previously evaluated in a set of activities, the weight of which is equivalent to a minimum of two thirds of the total grade of the subject. However, the qualification that will appear on the student's file is of a maximum of 5-Approved.

Students who need to change an evaluation date must submit the application by filling in the document that will be found in the EPSI Tutorials moodle.

Tests / exams may be written and / or oral at the discretion of the teaching staff.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Written and oral tests	40%	0	0	1, 4, 3
Exercises and problems	60%	0	0	2, 5, 6, 1, 4, 3, 8, 7

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.

Generalitat de Catalunya (1997). Guia per a la implantació i el desenvolupament d'un sistema de gestió ambiental. Barcelona.

Generalitat de Catalunya (2000). Guia pràctica per a la implantació d'un sistema de gestió ambiental. Manuals d'ecogestió 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.

Enllaços web

AENOR

www.aenor.es

Empresa i Avaluació Ambiental. Departament de Territori i Sostenibilitat. Generalitat de Catalunya.
<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

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

International Organisation for Standardization (ISO)

<http://www.iso.org>

Medi Ambient. Universitat Autònoma de Barcelona (UAB)

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

Sèrie ISO 14000 i Sistemes de Gestió Ambiental: una base per la sostenibilitat

<http://www.trst.com>