



Basic Concepts on Ecodesign

UNIT 0: Course presentation

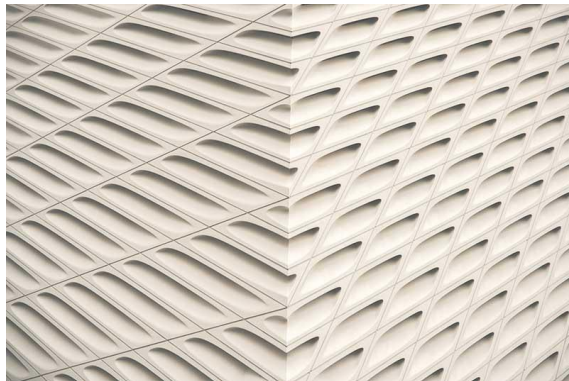


Objectives of the unit

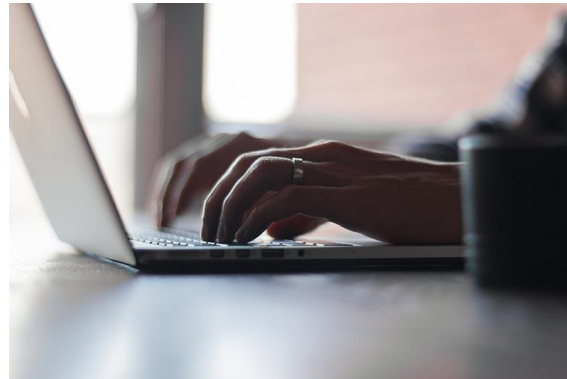
- Show the formative thematic groups which constitute the basic module of the course.

0.1 Summary of course unit

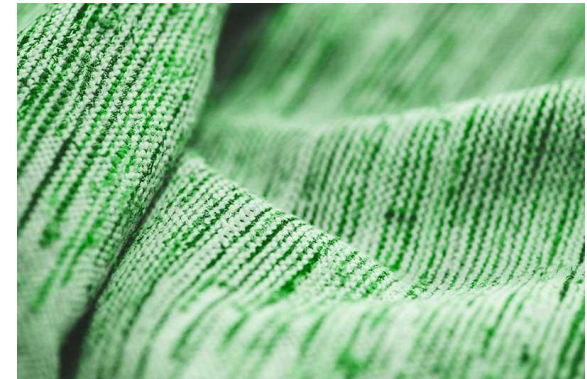
Course aims to designers from three different sectors:



Food Packaging



Electronic



Textile

0.1 Summary of course unit

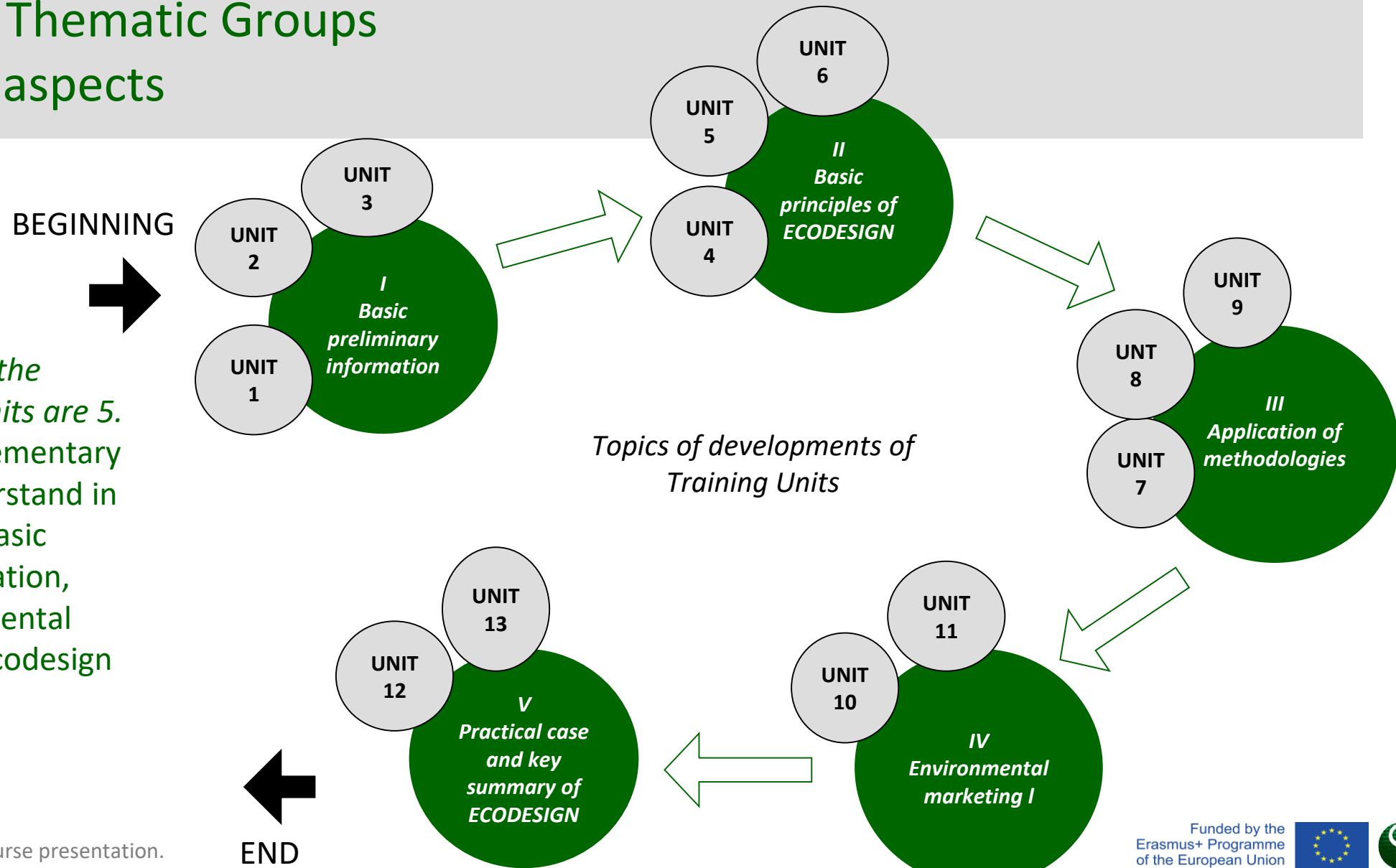
13 Training Units that address the main issues to get a basic overview of Ecodesign and applications.

- Unit 1** INTRODUCTION TO ECODESIGN
- Unit 2** TRADITIONAL DESIGN AGAINST ECODESIGN
- Unit 3** EUROPEAN LEGAL FRAMEWORK ON ENVIRONMENT AND ECODESIGN
- Unit 4** ANALYSIS AND COST OF LIFE CYCLE
- Unit 5** ECODESIGN PRINCIPLES
- Unit 6** ENVIRONMENTAL ASPECTS OF THE COMPANY
- Unit 7** IMPLEMENTING ECODESIGN
- Unit 8** ENVIRONMENTAL MANAGEMENT
- Unit 9** ECODESIGN IN THE ENVIRONMENTAL MANAGEMENT
- Unit 10** INTRODUCTION TO ECO-LABELING. COMMUNICATION
- Unit 11** ENVIRONMENTAL PRODUCT DECLARATION. COMMUNICATION
- Unit 12** ECODESIGN PRACTICAL CASES
- Unit 13** FINAL REVIEW COURSE

0.2 Content of Thematic Groups

0.2.1 General aspects

The thematic for the developments of the units are 5. All of them are complementary to each other, to understand in a practical way: basic preliminary information, methods, environmental communication and Ecodesign keys.



0.2 Content of Thematic Groups

0.2.1 General aspects

Methodology of the course

The training material available to the students per unit is:

- ✓ **Introductory video.** Presentation of the topic in study.
- ✓ **Theory.** Theoretical text of the content unit.
- ✓ **Presentation.** Additional document information with key points of the unit.
- ✓ **Video Unit.** Graphic document with additional information regards to the other ones presented in the unit.

The student must perform in each training unit:

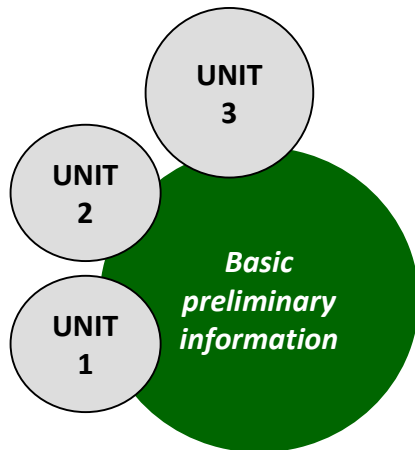
- ✓ **Comprehension exercise.** Exercise of verification of comprehension.
- ✓ **Conclusion exercise (test unit).** Testing exercise for key points learned.

0.2 Content of thematic groups

0.2.2 Content and Objectives of Thematic Group I

Basic preliminary information

Content and Objectives of Thematic Group I, Units 1, 2 and 3



Unit 1	INTRODUCTION TO ECODESIGN
Unit 2	TRADITIONAL DESIGN REGARDING TO ECODESIGN
Unit 3	EUROPEAN LEGAL FRAMEWORK ON ENVIRONMENT AND ECODESIGN

The training material available to the students per unit is: Introductory video, Presentation and Theory). Video unit

These training units aim to the student to can understand and get an overview of:

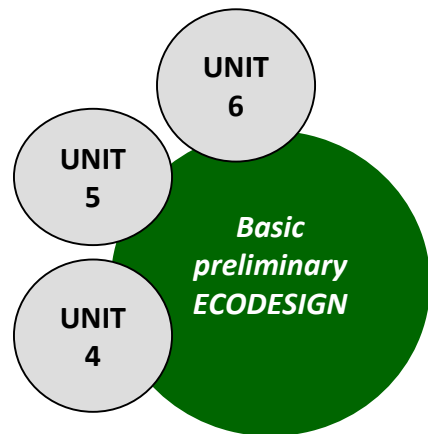
-ECODESIGN, to understand what it is and what it can provide to the company. Its evolution in time, and the current state.

- European legal framework, of Environment in general and in particular for ECODESIGN.

0.2 Content of Thematic Groups

0.2.2 Content and Objectives of Thematic Group II

Ecodesign basic concepts



Content and Objectives of Thematic Group II, Units 4, 5 and 6

Unit 4 ANALYSIS AND COST OF LIFE CYCLE
Unit 5 ECODESIGN PRINCIPLES
Unit 6 ASPECTS OF THE COMPANY

The training material available to the students per unit is: Introductory video, Presentation and Theory. Video unit

These training units aim to the student to can understand and get an overview of:

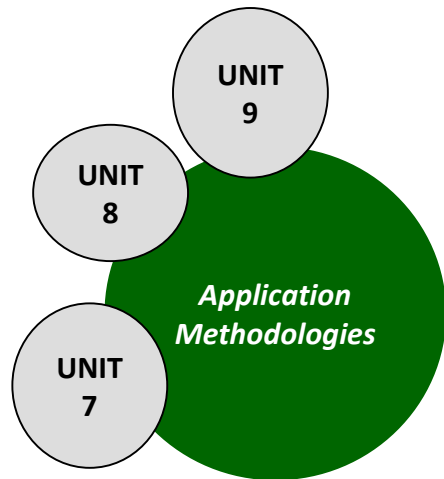
- *The base of Ecodesign: the life cycle assessment.*
- *Life-cycle costs of a product.*
- *The main factors that influence Ecodesign, will allow to identify where is possible to intervene to improve the environmental performance of a product.*
- *Environmental aspects of a company, to know what activities of the processes affect the environment.*

0.2 Content of Thematic Groups

0.2.3 Content and Objectives of Thematic Groups III

Methodology of the course

Content and Objectives of Thematic Group III, Units 7, 8 and 9



Unit 7	IMPLEMENTING ECODESIGN
Unit 8	ENVIRONMENTAL MANAGEMENT
Unit 9	ECODESIGN IN THE ENVIRONMENTAL MANAGEMENT

The training material available to the students per unit is: Introductory video, Presentation and Theory. Video unit

These training units aim to the student to can understand and get an overview of:

- *How to face with the design and development of a new product.*
- *Know all the stages of ECODESIGN.*
- *Know the general principles of the Certifications of Quality and Environment for companies (ISO9001 , ISO14001 y EMAS), among others, process management, the identification of environmental aspects, legal requirements, etc., to:*

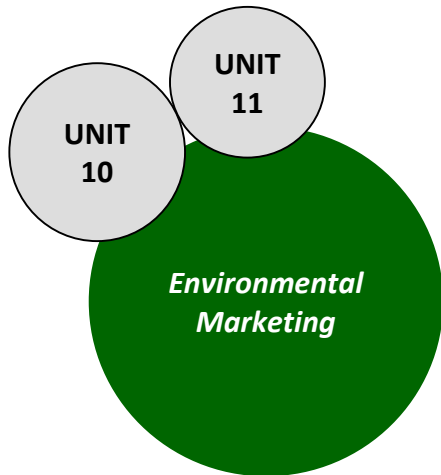
Understand the ECODESIGN Certification “ISO 14006”, regulation that incorporates the design process to the environmental management of the company.

0.2 Content of Thematic Groups

0.2.4 Content and Objectives of Thematic Group IV

Environmental Marketing

Content and Objectives of Thematic Group IV, Units 10 and 12



Unit 10	INTRODUCTION TO ECO-LABELING. COMMUNICATION
Unit 11	ENVIRONMENTAL PRODUCT DECLARATION. COMMUNICATION

The training material available to the students per unit is: Introductory video, Presentation and Theory. Video unit

These training units aim to the student to can understand and get an overview of:

- *The communication tools ECODESIGN: ECO-LABELS.*
- *Knowing in particular, some eco-label most used, certified eco-labels by accredited bodies. Among others:*

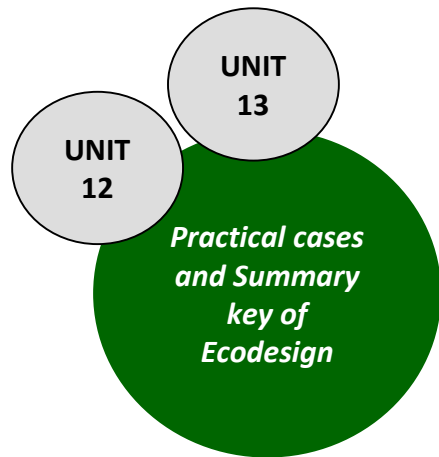
Carbon Foot Print and Environmental Product Declaration (EPD).

0.2 Content of Thematic Group

0.2.5 Content and Objectives of Thematic Group V

Practical cases and Summary key of Ecodesign

Content and Objectives of Thematic Group V, Unit 12 and 13



Unit 12	PRACTICAL CASES OF ECODESIGN
Unit 13	FINAL COURSE REVIEW

The training material available to the students per unit is: Introductory video, Presentation and Theory. Video unit

These training units aim to the student to can understand and get an overview of:

- Real applications of ECODESIGN in products designed belong these principles.*
- Access to business experiences which explain their projects.*
- Finally, a summary of the key concepts learned in the course.*

Thank you

Ecodesign basic concepts

UNIT 0: Course presentation.

