

APPLIED INFORMATICS

Code: 323051

Main Scientific Area: Information and computer systems

Lecturer: Rui Fernando Barreira da Costa

Language of Instruction: Portuguese

Regime: S1

Contact Hours: 30h Total Workload: 45h

ECTS: 3,0

Objectives

This Unit assumes the importance of understanding and definition of the procedural approach as one of the relevant factors for the promotion of quality of design while product development fashion. Relevance is given to the method as basic structure and support for critical reflection of various procedural approaches and tools

for:

- > context identification;
- > collecting, processing and generating information;
- > people's needs (identification and Data processing);
- > PDS (Product Design Specifications)
- > creative and conceptual development;
- > consolidation of the idea;
- > prototyping

IPCA

DM

Learning Outcomes

General:

- Ability to realize digital images that communicate the concept and the final product.

It promotes the student's approach to professional reality .;

Specifics:

- Promotion of critical thinking in the analysis of professional communication.

- Properly use digital tools,useful for a design professional;
- Use the specific language correctly whenproject service;
- Use computer programs astools at the service of graphic design;
- Understand the design methodologygraphic;
- Develop critical and interventional spiritregarding final pieces;
- Development of graphic skills andCommunication.

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Recommended Bibliography

A Bibliografia principal é composta pelas

referências clássicas de base para o entendimento

da disciplina, da prática profissional, da

metodologia e das questões de investigação em

design:

JONES, J.C. (1997) Design

Methods . New York:

John Wiley and Sons.

LAWSON, B. (2000)

How Designers Think The

design Process Demystified . Oxford: Architectural

Press

MANZINI, E. (1993) A matéria da invenção; Col.

“Design, Tecnologia e Gestão”. Lisboa: CPD

MARI, E. (2001)

Progetto e passione . Torino:

Bollati Boringhieri

MARZANO,

Stefano ; (1999) Creating Value by

Design Thoughts . London: Lund Humphries

Publishers.

MUNARI, B. (1993) Das Coisas Nascem Coisas.

Lisboa: Edições 70.

Learning and Teaching Methods

> Contribute to the training of students in the application of Communication theory and practice graphic and audiovisual, through

awareness of the relevance of the method of design as an approach to foster results;

> Sensitize students to development proposals and their adequacy of the methods of production, as well as the mastery of a discourse

aesthetic and technical.

> Realization of people-centered projects, their experience and relationship with the equipment developed countries.

> Foster awareness projectual in the sense of promote and equip students with procedural domain in the selection and application of

specific methodological strategies.

Assessment Methods

1. FINAL

> The evaluation is continuous and monitoring the work, as such the presence in classes is fundamental.

> Regime of Continuous assessment with based on 3 components.

1: Attendance / Participation 30%

2: Development Themes 40%

3: Presentations 30%

> Evaluation parameters of Themes.

1: Technical accuracy 30%

2: Rationale (creativity) 30%

3: Achieving goals 30%

4: Graphic dossier 10%

$T1 + T2 + T3 + AC = \text{final grade}$

2. RESOURCE and EXAM

> The Curricular Unit does not include in its evaluation regime the realization of exam.

> The evaluation is continuous, regular presentation of the work developed will be penalized.

> The delivery of proposals with a delay implies a penalty of 0.1 value for each day of delay, after 5 days will not be considered.