

Academic year 2009-2010



Curriculumguide

Bachelor in electronics - ICT

1st Ba electronics-ICT - ICT

Webanimation 1

1. General info

- Code: 3000170
- Number of credits: 3
- Credit contract possible: Yes
- Examination contract possible: Yes
- Teaching language: Dutch
- Subject coordinator: De Winne Davy
- Tolerable

2. Course unit type

- introductory

3. Course Activity

- Lab webanimation

4. Content

In this course we introduce you to Adobe Flash. You learn to create simple animations, dynamic flash websites and basic actionscript.

More specified:

- Introduction to the software package Adobe Flash:
 - Timeline
 - Drawing in Flash
 - Movie Clips
 - Tweens (Motion & Shape)
- Nested animations
- Basic actionscript
- Simple user interaction
- Loading external text files
- Loading external photos
- Building a simple dynamic Flash website
- Simple scripting techniques. (Action Script 3.0)

5. Objectives

A. General competences

- PB - 01. Intellectual and cognitive capacities
- PB - 02. Acquisition and processing of information
- PB - 04. Acting methodically and systematically in function of creative knowledge generation/development
- PB - 07. Lifelong learning

Explanation

PB-01: The student is able to think and to seek solutions within the reach of the course. This is measured by each proposed evaluation.

PB-02: The student must process given information on his/her self. We also expect that the student seeks additional information if the problems requires this. This competence is assessed on the basis of the accuracy and completeness of the student-made solutions. The student must also have a blog with relevant articles / links. The relevance, quality and correctness of blog is also quoted.

PB-04: The student must work efficiently on the give tasks and projects. These skills are assessed by evaluating methodology and strategy of a project.

PB-07: The student must maintain a blog where they write articles that will complement the course content. This blog is also the subject of evaluation.

B. Profession-oriented/ General scientific competences

- PB - 09. Capacity for problem solving : competency for independent determination of problems, analysis of complex problems in professional practice and development of useful solutions
- PB - 10. Responsibility to society and professional field

Explanation

PB-09: The student must analyse the project and work out a solution-based strategy. This within the course content and with the information found on the Internet.

On the basis of his/her strategy, must he/she develop successfully the required objective of a project. These competence is measured by compare the solution of the student with the objectives of the project.

PB-10: The student has understanding of the current standards of usability. This competence is measured by assessing the ergonomic aspects of a Flash application (project).

C. Profession-specific competences

The student in electronics ICT, can install information and communications systems (C4).

Explanation: The student can develop simple and ergonomic interactive animations/applications in Flash.

D. Scientific competences

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6. Prerequisites

A. Previously required courses

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B. Required competences

7. Educational tools

A. Type

- book
- online learning platform
- internet

B. Obligatory educational tools

Workbook with lab exercises

C. Recommended educational tools

- Flash documentation
- Actionscript dictionary
- Tutorials
- Books

8. Teaching methods

A. Types

- self study
- labs and practice
- Other: Project

B. Description

This course is based on the concept of coached self study. The course teachers are available for questions and feedback at predetermined moments. A few obligatory sessions will be organised in order to provide sufficient feedback and evaluation possibilities. The timing and content of these contact moments are described in the lab workbook.

The student is also expected to maintain a blog on which she/he posts relevant short articles which broaden or deepen the course contents.

Besides the smaller regular assignments mentioned in the workbook, the student will also have to deliver one individual project work which will integrate the different course subjects and skills.

For the students of the distance learning program are the rules and conditions the same.

9. Assessment

A. Types

- oral exam
- evaluation
- Other: Project

B. Description

1. Permanently evaluation (20%):
 - Required exercises and self-made exercises
 - Blog
2. Individual labs tests (30%)
3. Project (50%)

Resit: The score for the permanently evaluated part (20%) from the first examination remains unchanged. Only the part individual labs and/or the project can be re-evaluated.

10. Teaching support

See Teaching methods