Information about the subject

Degree: Master's Degree in Technological Innovation in Education

Faculty: Education and Teacher Training
Code: 1360003 **Name:** Free Software and Education

Credits: 3 ECTS Year: 1 Semester: 1

Module: ICTs in Education

Subject Matter: Free Software and Education **Type:** Compulsory

Department: Education Sciences
Type of learning: Hybrid
Language(s) in which it is taught: Spanish

Lecturer/-s

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Module organization

BASIC THEORETICAL TRAINING

Subject Matter	ECTS	Subject	ECTS	Year/semester
ICTs in Education	9	ICT in the Classroom	3	1/1
ICTs in Education	9	ICT and Inclusive Education	3	1/1
ICTs in Education	9	Free Software and Education	3	1/1

Recommended Knowledge

Advanced office suite (word processor, presentations, and spreadsheets)
Fluent internet management.
File compression and decompression
Advanced use of virtual communication tools (forums, email, video conferencing tools such as TEAMS)

Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

Code	Learning outcomes
R1	The students know the different resources that provide ICT and being able to select it by the type of license.
R2	Students learn the risks and consequences of illegal downloading software.
R3	The student knows license their own material
R4	Students handled properly Free Software applications for the production of educational materials

Competences

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

Code	General	Weighting			
		1	2	3	4
CG2	To have the ability to adapt to the new technological situations by analyzing contents and competences.		X		
CG3	To have the ability to innovate their teaching methodology by integrating digital competence into the class.				X
CG4	To work in a team and collaborate effectively with other professionals within and outside the classroom through ICT			X	
CG5	To work autonomously, performing synthesis of content and making judgments for discussion and further analysis in the virtual classroom.				X

Code	Basic	Weighting			
		1	2	3	4
CB6	To be creative and original in the development and/or application of ideas, sometimes in an investigation context.		X		
CB8	To integrate knowledge and form opinions on the basis of limited information, including reflections on social responsibility and ethics.			X	
CB9	To have the ability to clearly and concisely communicate conclusions, underlying knowledge and reasons to a specialised and non-specialised audience.		X		
CB10	To have the ability to follow a self-study method.				X

Code	Specific	Weighting			
		1	2	3	4
CE1	That students know the epistemological aspects and / or production of technological knowledge and consider its application to education.			X	
CE2	Students are able to understand the peculiarities and fundamental elements of ICT to promote social integration and employment of people with disabilities.				X
CE4	That students know the risks and consequences of illegal downloading software.				X

Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R-1 The students know the different resources that provide ICT and being able to select it by the type of license.	25	Rubric
R-2 Students learn the risks and consequences of illegal downloading software.	25	Rubric
R-3 The student knows license their own material	25	Rubric
R-4 Students handled properly Free Software applications for the production of educational materials	25	Rubric

Mention of Distinction: *In accordance with the current regulations on the evaluation and grading of subjects at UCV, the "Honors" mention may be awarded to students who have obtained a grade equal to or greater than 9.0. The number of "Honors" mentions cannot exceed five percent of the students enrolled in the group in the corresponding academic year unless the number of enrolled students is less than 20, in which case only one "Honors" mention may be granted.*
Exceptionally, honors may be assigned among the different groups of the same subject globally. However, the total number of honors to be granted will be the same as if assigned per group, but these may be distributed among all students based on a common criterion, regardless of the group they belong to. The criteria for granting "Honors" will be made according to the criteria stipulated by the subject's responsible professor detailed in the "Observations" section of the evaluation system of the teaching guide.

Single evaluation:

Single evaluation is understood as that which the student performs in an exceptional and alternative way when, for not having attended class sufficiently, he/she cannot perform the evaluation tests that, in general, are established in the teaching guide of the subject. This is not a single test but a set of as many tests and / or evaluation activities as necessary to demonstrate and measure each and every one of the learning outcomes defined for the subject. These tests can be requested throughout the course of the course and/or, in any case, at the end of the course on the official evaluation dates.
In single evaluation: 80% of the grade will correspond to the works recommended by the teacher and 20% to objective tests.

Fundamental Principles for the Use of Artificial Intelligence:

Students will be able to use AI for:
- Consultation of doubts about training activities
- Assisted learning (alternative explanations or self-assessment exercises).
- Searching for alternative resources and references for study
Students may not use AI for:
- Recording or transcribing, in whole or in part, any activity performed in the classroom, in order to obtain summaries or notes made by AI.
- Generating text in work related to Activity X
- Submitting AI-generated work as your own
- Providing the IA with statements, practice or evaluation tests to obtain responses

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

M1	Work that requires the participation of different students with a common purpose which requires interaction staff and division and compliance responsibilities and demands of establishing certain meetings between the group and the tutor (for your that can be in person or through the virtual campus VCU).
M2	Virtual and individual personalised attention through the virtual campus (https://campusvirtual.ucv.es). An instruction or guidance period is carried out by a professor in order to revise and discuss the content of a lesson, help the student with the continuous evaluation activities, etc.
M3	Exhibition contents Professor, analysis skills, explanation and demonstration of skills, abilities and knowledge in the classroom, which require feed-back and student participation.
M4	Debates and opinions online supervised by the teacher to allow students expressing their ideas, opinions and comments that argued the contents worked.
M5	Comments, book summaries, critical analysis, writing texts, glossaries, webquest and other activities that are designed to be done individually or in teams, to evaluate the acquisition of learning outcomes from different subjects using the e-learning VCU platform.
M6	Formative session through video conference, integrated in the virtual campus. It involves participation and/or exposition in real time.
M7	Study of the student: Individual preparation (or in groups) of readings, tests, resolution of problems, seminaries, works, memories, conceptual maps, etc. in order to expose or to give in the theoretical classes, practical exercises and/or positions of a guardian of small group. Work made in the platform of the university (www.plataforma.ucv.es)

On-line learning

Activity	Learning Outcomes	Methodology	ECTS	HOURS
1 VIRTUAL PRESENCIAL TUTORING	All Results	M2	0,12	3
2 ASYNCHRONOUS VIRTUAL SESSION	All Results	M3	0,7	16,67
3 DISCUSSION FORUMS	All Results	M4	0,053	1,33
4 CONTINUOUS ASSESSMENT ACTIVITIES	All Results	M5	0,04	1
5 VIDEO CONFERENCE	All Results	M6	0,08	2
		Total	0,96	24

Autonomous work

Activity	Learning Outcomes	Methodology	ECTS	HOURS
GROUP WORK	All Results	M7	2,04	51
		Total	2,04	51

Description of the contents

Description of the necessary contents to acquire the learning outcomes:

CONTENT BLOCK	Contents
1	Creation, re-use and distribution of digital content Intellectual property and copyright Relevant licenses for teachers How to license our work Open access resources

2	eXeLearning Installation. Work environment. Structure. Main menu. iDevices. Sharing the contents

Temporary organization of learning

BLOCK OF CONTENT/DICACTIC UNIT	Number of sessions	Hours
Creation, re-use and distribution of digital content	Week 1,5	37,5
eXeLearning	Week 1,5	37,5

References

Adell, J., & Bernabé, I. (2007). Software libre en educación. En J. Cabero-Almenara, *Tecnología educativa* (págs. 173-194). McGraw-Hill.

eXelearning.net (2019). eXelearning 2.1 Manual – Tutorial. Recuperado el 9 se Septiembre de 2019, de http://exelearning.net/exelearning-2-1-manual-tutorial/

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Addendum to the teaching guide of the subject