



**FREE SOFTWARE AND EDUCATION
(3 ECTS)**

**MASTER IN TECHNOLOGICAL INNOVATION IN
EDUCATION**

Catholic University of Valencia



COURSE SYLLABUS

		ECTS
SUBJECT: Free Software and Education		3
Area: ICTs in Education		9
Module: ICTs in Education		9
Type of training: Blended	COURSE: 1º Semester: 1º	
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MODULE ORGANISATION

ICTs in Education	9 ECTS
<p>Duration and temporal location within the curriculum:</p> <p>This module is located in the first quarter. It will be the module with the commencement of the Master. On the subject of <i>ICT in the classroom</i> the information and communications technology will be discussed. The present and future impact of the use of ICT in the classroom as well as the challenges of integrating new technologies will be analyzed.</p> <p>On the subject of <i>ICT and Inclusive Education</i> will be discussed new technologies and inclusive education. Advances in ICTs and inclusive education, and advances in ICT and personal autonomy are also discussed.</p> <p>In the course <i>Free Software and Education</i> different licenses with which the digital content and educational resources are distributed they will be studied. Open Educational Resources: Creative Commons licenses. Considerations to keep in mind</p>	



when you download programs and educational content from other authors as well as necessary to license own material considerations.

The module, which has allocated 9 ECTS, begin teaching in the month of October and ends in November.

Module and courses

Module	ECTS	SUBJECT	ECTS	Course/ semester
ICTs in Education	9	ICT in the Classroom	3	1/1
		ICT and Inclusive Education	3	1/1
		Free Software and Education	3	1/1

COURSE SYLLABUS: Free Software and Education

OVERALL OBJECTIVES

- To introduce the concept of Copyright
- To deepen alternative licenses to Copyright
- To know different repositories of free resources and applications
- To licensing content
- To manage the implementation of Free Software eXeLearning, for content creation attractive and quality.

BASIC AND GENERAL COMPETENCES

Assessment criteria

	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
CB6 - To be creative and original in the development and/or application of ideas, sometimes in an investigation context.		x		



Course Syllabus



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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

SPECIFIC COMPETENCES				
	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

LEARNING OUTCOMES	COMPETENCES
The students know the different resources that provide ICT and being able to select it by the type of license.	CE1
Students learn the risks and consequences of illegal downloading software.	CE4
The student knows license their own material.	CE1,CE4
Students handled properly Free Software applications for the production of educational materials.	CE1



FACE-TO-FACE WORK TRAINING CLASSROOM ACTIVITIES			
ACTIVITY	Teaching-learning methodology	In relation with learning outcomes	ECTS
TEAM WORK	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).	All learning outcomes	0,36
ONLINE OFFICE HOURS	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.	All learning outcomes	0,17
ASYNCHRONOUS VIRTUAL SESSION	Exhibition contents Professor, analysis skills, explanation and demonstration of skills, abilities and knowledge in the classroom, which require feed-back and student participation.	All learning outcomes	0,05
DISCUSSION FORUMS	Debates and opinions online supervised by the teacher to allow students expressing their ideas, opinions and comments that argued the contents worked.	All learning outcomes	1,43
CONTINUOUS ASSESSMENT ACTIVITIES	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.	All learning outcomes	0,27
VIDEO CONFERENCE	Formative session through video conference, integrated in the virtual campus. It involves participation and/or exposition in real time.	All learning outcomes	0,2
Total			2,48



AUTONOMOUS WORK TRAINING ACTIVITIES OF THE STUDENT			
ACTIVITY	Teaching-learning methodology	In relation with learning outcomes	ECTS
INDIVIDUAL WORK	Study of the student: Individual preparation (or in groups) of readings, tests, resolution of problems, seminars, 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)	All learning outcomes	0,47
ASYNCHRONOUS VIRTUAL SESSION	Exhibition contents Professor, analysis skills, explanation and demonstration of skills, abilities and knowledge in the classroom, which require feed-back and student participation.	All learning outcomes	0,05
Total			0,52
EVALUATION SYSTEM FOR THE ACQUISITION OF SKILLS AND GRADING SYSTEM			
Assessment tool ¹	ASSESSED LEARNING OUTCOMES		Percentage
CLASSROOM ASSESSMENT Individual monitoring of attendance at face-virtual sessions active participation in theoretical and practical classes, seminars and tutorials.	All		20%
OBJECTIVE THEORETICAL AND PRACTICAL TESTS	All		80%

¹ Assessment techniques and tools: oral exam-exposition, written tests (multiple choice tests, development tests, conceptual maps, etc.), supervised projects, projects, case studies, observation notebooks, portfolio, etc.

**CRITERIA FOR THE GRANTING OF DISTINCTION:**

According to the general rules you can only give honours to 20 students per fraction rather than 20, with the exception of groups of fewer than 20 students in total, which can provide tuition. Distinction is awarded to a student who has obtained outstanding grades and has stood out for its active participation in class, attendance at tutorials, presentation and preparation of work and engagement on the subject.

DESCRIPTION OF CONTENTS	COMPETENCES
Creation, re-use and distribution of digital content Intellectual property and copyright Relevant licenses for teachers How to license our work Open access resources	CG2, CG3, CG4, CG5, CB10, CE1, CE4
eXeLearning Installation. Work environment. Structure. Main menu. iDevices. Sharing the contents.	CG2, CG3, CG4, CG5, CB6, CB9, CB10, CE1, CE2, CE4

TEMPORAL ORGANIZATION OF LEARNING		
	BLOCK CONTENT	NUMBER OF SESSIONS
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	1,5
2	eXeLearning Installation. Work environment. Structure. Main menu. iDevices. Sharing the contents.	1,5



BIBLIOGRAPHY

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Pacheco, I. J., y Jiménez, M. Y. (2020). PLATAFORMA DE GESTIÓN EDUCATIVA DE DISEÑO PROPIO. *Edetania. Estudios Y Propuestas Socioeducativos*, 56, 185-202. https://doi.org/10.46583/edetania_2019.56.474



Addendum to the Course Guide of the Subject

MÁSTER UNIVERSITARIO EN INNOVACIÓN TECNOLÓGICA EN EDUCACIÓN

Due to the exceptional situation caused by the health crisis of the COVID-19 and taking into account the security measures related to the development of the educational activity in the Higher Education Institution teaching area, the following changes have been made in the guide of the subject to ensure that Students achieve their learning outcomes of the Subject:

Situation 1: Teaching without limited capacity (when the number of enrolled students is lower than the allowed capacity in classroom, according to the security measures taken).

In this case, no changes are made in the guide of the subject.

Situation 2: Teaching with limited capacity (when the number of enrolled students is higher than the allowed capacity in classroom, according to the security measures taken).

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject will be made through a simultaneous teaching method combining onsite teaching in the classroom and synchronous online teaching.



Students will be able to attend classes onsite or to attend them online through the telematic tools provided by the university (videoconferences). In any case, students who attend classes onsite and who attend them by videoconference will rotate periodically.

In the particular case of this subject, these videoconferences will be made through:

☒ Microsoft Teams

Situation 3: Confinement due to a new State of Alarm.

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen onsite activities described in this section of the Course Guide, as well as the group and personalized tutoring, will be done with the telematic tools provided by the University, through:

☒ Microsoft Teams

Explanation about the practical sessions:





2. System for Assessing the Acquisition of the competences and Assessment System

ONSITE WORK

Regarding the Assessment Tools:

- ☒ The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.
- ☐ The following changes will be made to adapt the subject's assessment to the online teaching.

Course guide		Adaptation	
Assessment tool	Allocated Percentage	Description of the suggested changes	Platform to be used

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

Comments to the Assessment System:

ONLINE WORK

Regarding the Assessment Tools:



- ☒ The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.
- ☐ The following changes will be made to adapt the subject's assessment to the online teaching.

Course guide		Adaptation	
Assessment tool	Allocated Percentage	Description of the suggested changes	Platform to be used

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

