



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA

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Tempus



TRAINING OF TRAINERS

UNIVERSITY AND INDUSTRY FOR THE MODERNISATION
OF TEXTILE MANUFACTURING SECTOR IN BELARUS



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Vitebsk State
Technological University



UPV TOOLS for E-LEARNING

POLIFORMAT POLICONECTA POLITUBE



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POLIFORMAT

POLICONECTA

POLITUBE

- ✓ POLIFORMAT is the UPV e-learning and e-training platform where UPV students and professors share any kind of information about their university subjects.
- ✓ Platform tools in relation to every particular subject: contents, tasks, announcements, exams, forum, chat, etc.
- ✓ The professor utilises the platform as a subject repository.
- ✓ Contents are uploaded in the directory or the folder 'resources'.

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POLIFORMAT

POLICONECTA

POLITUBE

- ✓ The access to POLIFORMAT is obtained by using your private student's or professor's identification.
- ✓ Once you have been identified and you are in your private UPV site you choose the corresponding subject and academic year.
- ✓ Only the **students** attending the particular subject and the corresponding **professor** or **professors** have access to that subject platform.

The logo for 'Unite' features the word 'Unite' in a light green, sans-serif font. Above the letter 'i' is a small green icon of a sun or a flower with multiple petals.

POLIFORMAT

POLICONECTA

POLITUBE

- ✓ POLICONECTA is a video conferencing software (Adobe Connect). It is an On-line e-learning resource between professors and students.
- ✓ POLICONECTA is used to hold:
 - virtual interactive lessons
 - virtual tutorials
 - dynamic on-line meetings



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POLICONECTA

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- ✓ POLICONECTA resource uses a virtual meeting classroom tool.
 - Students can follow the professor's audio and video **live**, simultaneously to the contents taught in the classroom resources:
 - videos
 - PowerPoints
 - diagrams
 - graphics, etc
 - Chat (with the other students or the professor)

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- ✓ The **virtual meeting classroom** tool has different windows for diverse applications. Professors can choose among a variety of classroom designs to adapt to the specific subject.
- ✓ Participants can share tools, documents, screencast images, interactive digital boards, audio and video as well as some on-line resources.
- ✓ Using a web cam and a microphone, they may actively take part in the classroom.
- ✓ The virtual meeting classroom site is an URL.

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- ✓ POLITUBE is a video repository, similar to the worldwide known 'YouTube', customized to UPV users.
- ✓ Video format teaching contents elaborated by UPV's teaching staff.
- ✓ This service offers several advantages such as its image quality and access control.
- ✓ The purpose of POLITUBE tool is the video publication of all the university activities by UPV's professors, technicians, and researchers.

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UPV METHODOLOGY for E-LEARNING

Learning items

Training modules

OCWs



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Learning items

Training modules

OCWs

- This is the minimum digital format learning unit.
 - Take into consideration the reuse purpose.
 - Cannot be contextualized.
 - No mention or reference to:
 - the subject topic index or
 - time chronology.
- ✓ The **learning items** are produced in digital format and they have a pedagogic purpose focused on easing the students' learning.

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Learning items

Training modules

OCWs

- Its contents must be indivisible
- and at the same time independent, so the learning item can be reused in different learning contexts.
- Learning items are stored and referenced in the UPV **POLITUBE** repository.
- They can be used by:
 - UPV community members (restricted access) or
 - by everybody (free access).

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Learning items

Training modules

OCWs

➤ Examples of **Learning items** applications are:

- Revision of previous contents.
- Catching students' attention during the lessons.
- Focusing on the main ideas of a speech lesson.
- Important information storage.
- Saving time.
- Helping with concepts or contents understanding.
- Additional information for learning processes.
- Clarifying previous errors or mistakes.
- Example explanation of a process.
- Motivating students' autonomous work.

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Learning items

Training modules

OCWs

- More complex learning objectives can be reached linking several **Learning items**. As a result, these can become **Training modules**.
- How can we prepare **Learning items**?
 - **POLIMEDIA RECORDING:** 5-to-10 minute video. This shows the lecturer's image and sound synchronised with a screen where the presentation contents are displayed. An *interactive-board*, a *presentation programme* or a combination of both can also be used.

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Learning items

Training modules

OCWs

- **SCREENCAST RECORDING:** 5-to-10 minute educational **Learning item** in video format.

Their contents are elaborated through a series of computer screencasts, plus the editing of the lecturer's or professor's voiceover.

- **DIDACTIC VIDEOS:** Illustrative video snippets (approximately between 5-to-10 minute), mostly with action and movement.

These are made from 1 or more video camera recordings. They are commonly used when outside, laboratory or any other specific filming situation is needed.

Learning items

Training modules

OCWs

- **DIDACTIC ARTICLES:** Short unpublished texts in digital format (approximately between 5 and 10 pages long). These must fulfil the UPV specific format.
- **VIDEO-NOTES:** Automatic masterclass recording system for teaching periods longer than 20 hours.

By using *Opencast Matterhorn software*, the audio, video and the computer screen of the lessons can be recorded and filed.

Lesson recordings must be done at the specific classrooms prepared for video-notes recordings by trained technicians.



Learning items

Training modules

OCWs

- **LEARNING ITEMS TRANSCRIPTION AND TRANSLATION:** professors have the option to add their subtitled transcription to their recorded lessons.

The languages into which the transcription or translation can be done are Valencian, Spanish and English.

The time limit of a **transcription** will be 50 minutes whereas the POLIMEDIA ITEMS / VIDEO-NOTES **translation** will last 30 minutes.

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Learning items

Training modules

OCWs

- Digital **training modules** are defined as 1-2 hour training sessions of students' work. Their objective is to ease the students' autonomous significant learning about a particular subject.
- They can be found in the POLIFORMAT folder called 'contents'.
- They also include one or several **Learning items** previously elaborated (part of the UPV digital repository), or they have been specifically created for this particular purpose.

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Learning items

Training modules

OCWs

- Sessions will have to be contextualized inside the didactic frame of the subject to which they are referred to.
- They will have to include the necessary coupling items for the session to have a global sense: introduction, practical activities, summary and evaluation.
- All the components (**Learning items** and coupling items) will be integrated in a module inside the contents folder of the corresponding subject.

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Learning items

Training modules

OCWs


- **Open Course Ware** subjects are an example of the modern initiatives which have ultimately emerged to promote the no-limit free access to knowledge.
- OCW-UPV subjects contain a set of significant materials associated with the subject (teaching syllabus, contents, tasks, exams and resources).
- All these materials used or referenced in these subjects must have free access through the Internet.
- The published subjects will have a training duration of over 20 hours.

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Blended learning

Flipped teaching

MOOC

 **Blended learning:** Blended learning (BL) systems combine face-to-face (F2F) instruction with computer-mediated instruction.

The definition reflects the idea that BL is the combination of instruction from two historically separate models of teaching and learning:


- traditional F2F learning environment that has been around for centuries.
- and distributed learning systems.

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Blended learning

Flipped teaching

MOOC

 **Flipped teaching:** Is a teaching methodology in which students watch teachers' lectures at home and do what we'd otherwise call 'homework' in class.

Teachers use video lessons or address students to a video repository, which students watch on their computers, their smartphones or at the school's tech lab.


In class they do projects, exercises or lab experiments while the teacher helps and advises students' work.

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Blended learning

Flipped teaching

MOOC

 **MOOC:** A Massive Open Online Course is an online course aimed at unlimited participation and open access via the web.

Many MOOCs provide interactive user forums to support community interactions between students, professors, and teaching assistants.

MOOCs integrate social networking, accessible online resources, and are facilitated by leading practitioners in the field of study.

UPV MOOCs: <http://www.upvx.es/>

Example: *Dynamics and Control*

<https://www.edx.org/course/dynamics-control-upvalenciav-dc201x#.VOceduaG9kk>

<https://www.youtube.com/watch?v=sOBAeHEeCUw>



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***THANK YOU VERY MUCH
FOR YOUR ATTENTION!***





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