

## “Video as a learning tool for remote emergency teachers”

### General information

The University of Porto prepared a training course for trainers (teachers and technicians), as part of our tasks in the scope of the PrinTel project. To complete the course you will need to have 12 hours of on-line work and some hours of complementary independent work.

The course will emphasize some essential teaching skills and competencies for teachers and technicians when preparing video for teaching and learning, with special attention to specific strategies in emergency scenarios.

### Requirements

Each participant needs to have a way to connect to the internet to participate in each synchronous session (computer, laptop, or tablet) as well as basic filming/recording equipment camera (digital camera or mobile phone with camera).

Participants should have basic skills on how to use video for teaching and learning and had successfully attended the ToT course “video as a learning tool for teachers and students” a face-to-face course, organized by U.Porto in November 2018.

The course will be delivered by **Zoom** and all the material will be available on **Academia UP** <http://academia.up.pt>. Each participant will receive, by email, a login just before the course as well as the **zoom link** for each session.

### Course general schedule

The 12-course hours will be divided synchronously in different moments between 1<sup>st</sup> of February and 15<sup>th</sup> of February, as followed:

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**1<sup>st</sup> of February – 09:00 am – 13:00 am (GMT)**

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**9<sup>th</sup> of February – 09:00 am – 13:00 am (GMT)**

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**15<sup>th</sup> of February – 09:00 am – 13:00 am (GMT)**

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## Course content

In this course, we will discuss the usage of the video within educational contexts in a very particular situation, the pandemic scenario. We will engage on the topics of how it is being use in Higher Education. Its advantages as well as the main difficulties and changes due to the new situation.

Using videos to communicate ideas and concepts makes learning engaging and insightful. A typical video consists of moving images, sound, and text. The benefits of using video content in the educational process are more than obvious. However, how video is been used, their advantages, and adjustments needed for the new and unexpected situation are the central key of the course.

## Course outcomes

The main objective of the course is to prepare teachers and technicians of higher education institutions to smooth face unexpected situations, without impairing the quality of the teaching and learning process.

The shift from a well-known situation, where teachers and students are comfortable adapted to a completely new situation, an emergency scenario.

Motivate and engage with students in an emergency scenario.

Maintain the quality of the teaching process with all the changes taking place.

Have the ability to be flexible and learn to reinvent in any situation.

## Course schedule :: Course content :: Course teachers

<b>1<sup>st</sup> of February</b>	<b>What has changed and what is the impact of using video in an emerge situation in the T&amp;L process</b>		
			<b>Teachers</b>
Session 1	<b>09:00 am – 11:00 am (GMT)</b>	Institutional overview of video usage and implications with user data protection.	Nuno Regadas Susana Pereira Margarida Amaral
Session 2	<b>11:00 am – 13:00 am (GMT)</b>	The contrast of teachers' experiences before and after the pandemic context. Advantages and disadvantages of using video in T&L processes.	Maria João Ponces Cristina Pollmann Fernando Remião Paula Silva Maria Lopes Pinto

### **Session 1 - Institutional overview of video usage and implications with user data protection**

The 1<sup>st</sup> session is essentially an overview of the institutional approaches and problem solved with the rapid change from a face-to-face teaching to on-line teaching. Teachers and students concerns and main anxieties.

Moderator: Margarida Amaral  
Welcoming and presenters introduction

**How the numbers have changed for the institution and the type of video as consequence of the pandemic situation.** - Nuno Regadas

**Video and data protection** - Susana Pereira

**Q&A**

### **Session 2 - The contrast of teachers' experiences before and after the pandemic context. Advantages and disadvantages of using video in T&L processes.**

In this session, some approaches on how to use video will be share. The contrast of teachers' experiences before and after the pandemic context reveals the advantages and disadvantages of using video in T&L processes, both from the perspective of teachers and students. Experiences on how video can be a training as well as an evaluation tool. Experiences with the flipped classroom model will also be shared, both in face-to-face and online classes.

Moderator: Maria Lopes Pinto  
Welcoming and presenters introduction

**Videos in the teaching and training process and as an assessment tool** -Maria João Ponces and Cristina Pollmann

**Analysis of students perceptions of the experiences and engagement with the Flipped**

**classroom model in face-to-face and on-line classes - Fernando Remião**

**Teachers and students challenges with video-based learning during the COVID-19 pandemic - Paula Silva**

**Q&A**

<b>9<sup>th</sup> of February</b>	<b>Concerns of HEI regarding the quality of video produced and the use of video in public exams.</b>		
<b>Session 3</b>	<b>09:00 am – 11:00 am (GMT)</b>	The importance of video quality.	Pedro Pacheco Nuno Regadas
<b>Session 4</b>	<b>11:00 am – 13:00 am (GMT)</b>	Video in higher education institutions and video for public exams.	João Pedro Pêgo Pedro Sampaio Daniel Pereira

### **Session 3 - The importance of video quality.**

In this session, we will explore video recording, simple guidelines for better communication with the audience and tips, and tricks to do a more engaging video.

Moderator: Nuno Regadas

Welcoming and presenter's introduction

**How to improve your communication skills when talking to a video camera? - Pedro Pacheco**

**Q&A**

### **Session 4 - Video in higher education institutions and video for public exams**

This session will focus on the use of video in higher education institutions for public exams. How to create virtual rooms for public defences (viva voce) by combining zoom and Twitch or YouTube in a quick and easy to maintain manner, simultaneously guaranteeing the access of the public to the virtual room, while avoiding unauthorized access to the zoom session.

Moderator: Nuno Regadas

Welcoming and presenter's introduction

**The challenge of Public Exams: Master, Doctoral and Aggregation - João Pedro Pêgo**

**Public exams: steps for implementation – Pedro Sampaio**

**Implementation and delivery of public exams at the Faculty of Sciences: using Zoom and YouTube – Daniel Pereira**

**Q&A**

<b>15<sup>th</sup> of February</b>	<b>Relevant experiences, applications and tricks used in emergent situations in the T&amp;L process</b>		
Session 5	<b>09:00 am – 11:00 am (GMT)</b>	Audio-visual production of educational videos	Alberto Seixas Pedro Pacheco Duarte Ferreira Margarida Amaral
Session 6	<b>11:00 am – 13:00 am (GMT)</b>	Video and teaching strategies, tips and tricks	João Pedro Pêgo José Ribeiro Andrea Iglésias Salomé Gomes

**Session 5 - Audio-visual production of educational videos - Filming in the laboratory and the challenges of not being in a recording studio.**

Share of experiences in filming in the laboratory and the challenges of not being in a recording studio.

Moderator: Margarida Amaral

Welcoming and presenter's introduction

**Audio-visual production of educational videos – The process of the Microbiology laboratory videos production.** - Alberto Seixas, Pedro Pacheco and Duarte Ferreira

**Q&A**

**Session 6 - Video and teaching strategies, tips and tricks**

The use of video in teaching has become vital for students with the arrival of the COVID-19 pandemic. The social distance and the hybrid classes changed the way the contents are introduced. To explain some contents and to increase communication with and between the students and teachers at the University of Porto use Panopto, Zoom, and other video tools. In this session, teachers will share their practices.

Moderator: Margarida Amaral

Welcoming and presenter's introduction

**How to activate learning in students with online inverted classrooms** - João Pedro Pêgo

**A great time to look at some new teaching techniques** - José Ribeiro

**Social distance and hybrid classes have changed the way of access content** - Andrea Iglesias

**The use of demonstration videos as part of laboratory Microbiology classes** - Salomé Gomes

**Q&A**