

VIDEO TECHNOLOGY AND APPLICATIONS IN EVENTS



UCAM
UNIVERSIDAD CATÓLICA
DE MURCIA



Duration

3 weeks, 60 contact hours.

Objectives

- Introducing the backgrounds of video signals and interfaces
- Studying the different technologies of cameras and video editing devices
- Analyzing the most used technologies for projecting video in events
- Comparing the amateur and professional video equipment
- Applying the previous knowledge to real video projects

Business Partners



ALBERTO
TECNOLOGÍAS DE CONSORCIO
REGION DE MURCIA



POPULAR TV
MURCIA

AUVYCOM
AUDIO, VIDEO Y COMUNICACIONES



Fees

€2,500 /student

Services provided:

- 1 Professor/tutor for free
- Accommodation (triple or double room upon availability)
- Breakfast and lunch (excluded weekends)
- Group airport transfer service
- Bus ticket
- UCAM welcome pack
- Teaching materials
- Murcia city center tour

Contact

International Admissions Office
(+34) 968 278 786
admissions@ucam.edu
international.ucam.edu

Schedule

WEEK 1: VIDEO BASIC LEVEL

Session 1: (Dr. Rafael Berenguer-Vidal)

- Video signal types and standards
- Managing video formats
- Interfaces and cables for video

Session 2: (Jorge Hernández-Bellot)

- Digital cameras
- Video mixer
- Video editing

Session 3: (Dr. Rafael Melendreras-Ruíz)

- Displays
- Projectors
- Digital conference platforms

Session 4: (All faculties)

- Laboratory exercise 1. Video signals and formats (basic)
- Laboratory exercise 2. Video cameras and mixers (basic)
- Laboratory exercise 3. Displays and conference rooms (basic)

Session 5: (Dr. Rafael Berenguer-Vidal)

- Company Visit I (Popular TV Murcia)

WEEK 2: VIDEO INTERMEDIATE LEVEL

Session 1: (Dr. Rafael Berenguer-Vidal)

- Video wignal types and standards
- Managing video formats
- Interfaces and cables for video

Session 2: (Jorge Hernández-Bellot)

- Digital cameras
- Video mixer
- Video editing

Session 3: (Dr. Rafael Melendreras-Ruíz)

- Displays
- Projectors
- Digital conference platforms

Session 4: (All faculties)

- Laboratory exercise 1. Video signals and formats (intermediate)
- Laboratory exercise 2. Video cameras and mixers (intermediate)
- Laboratory exercise 3. Projectors and conference rooms (intermediate)

Session 5: (Jorge Hernández-Bellot)

- Company Visit II (Auvycom)

WEEK 3: VIDEO ADVANCED LEVEL

Session 1: (Dr. Rafael Berenguer-Vidal)

- Video wignal types and standards
- Managing video formats
- Interfaces and cables for video

Session 2: (Jorge Hernández-Bellot)

- Digital cameras
- Video mixer
- Video editing

Session 3: (Dr. Rafael Melendreras-Ruíz)

- Displays
- Projectors
- Digital conference platforms

Session 4: (Dr. Rafael Berenguer-Vidal)

- Company Visit III (Mira Digital)

Session 5: (Dr. Rafael Melendreras-Ruíz)

- Company Visit IV (Concert Hall Victor Villegas)

Teaching Staff

Rafael Melendreras-Ruiz

Vice-Dean of the degree of Telecommunications Systems Engineering. He received the M.S. degree in Telecommunications Engineering (2000) at the Technical University of Valencia and his Ph.D. at the Catholic University of Murcia (UCAM) in the area of Digital Television (2012). His area of research is Remote Sensing and Digital Television.

Rafael Berenguer-Vidal

Assistant-Manager of the degree of Telecommunications Systems Engineering. He received the M.S. degree in Telecommunications Engineering (1998) at the Technical University of Valencia. He obtained Ph.D. at the Technical University of Cartagena in the area of Image Processing (2013). He researches in the field of Signal Processing (image and multidimensional data).

Jorge Hernández-Bellot

UCAM TV Studio Coordinator. He received the B.S. degree in Telecommunications Engineering at the Technical University of Valencia (2002). He obtained the M.S. Degree in Advertising from the University of Murcia in 2012. Finally he received the M.S. degree in Telecommunications Engineering (2015) at the Technical University of Valencia.

