

PLAYING WITH APERTURE



Module II



Course
Video
concept



Topic 2
Camera
Settings



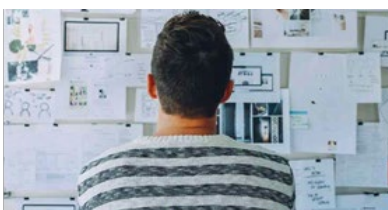
Lesson 3

Activity

- **Short Description:** Students will practice how to configure the aperture value (f) of their cameras by shooting a scene about some natural or cultural heritage with different aperture values.
- **Methodology:** Research-based learning
- **Duration:** 2 hours
- **Difficulty (high - medium - low):** Medium
- **Individual / Team:** Footage individual/Discussion in group
- **Classroom / House:** Footage in the street/Discussion in the classroom
- **What do we need to do this activity?**
 - **Hardware:** Video Camera
 - **Software:** None
 - **Other resources:** Pen and paper

Description

- **Text description:** The purpose of this activity is students to be able to configure the aperture value (f) of their cameras by practicing with the cultural or natural element they have chosen.



Instructions:

Each student will work with a different heritage element. They should use a video camera (smartphones do not allow to configure this parameter) and configure the FPS and ISO in auto mode. These are the steps to follow:

1. Select the cultural or natural heritage to disseminate through a video (apply what you have learnt in topic 1)
2. Shoot a 10'' video of the same scene using the biggest and the smaller aperture number (f). What changes each time? (Answer: the smallest possible aperture number (f1.8) will give you a brighter picture, whereas the biggest aperture number (f22) will give you a darker picture)
3. Try one of the smallest aperture numbers and then zoom in as much as you can, going on a longer focal length, which effect do you get? (Answer: you will get a nice burry effect)
4. Right after step 3, without moving your camera or changing your ISO and Shutter Speed values, try increasing your f number. What do you observe? (Answer: At first, with the small f number we have a blurry background but as we increase the f number the background gets sharper and sharper).
5. Shoot a 10'' video of your heritage element using the right aperture so that everything is sharp in the image. (Tip: To achieve a totally sharp landscape you have to close your aperture)

Expected outcomes

- Configure the aperture value of their cameras depending on the desired depth of field.

This activity can be used in other (module, course, topic, lesson):

Module II, Course: Photography-video concept, Topic I, Lesson 2

DIGICOMP (Competences developed): Developing digital content

ENTRECOMP (Competences developed): Learning through experience

Example (when necessary): Watch pill T2.L3.1

