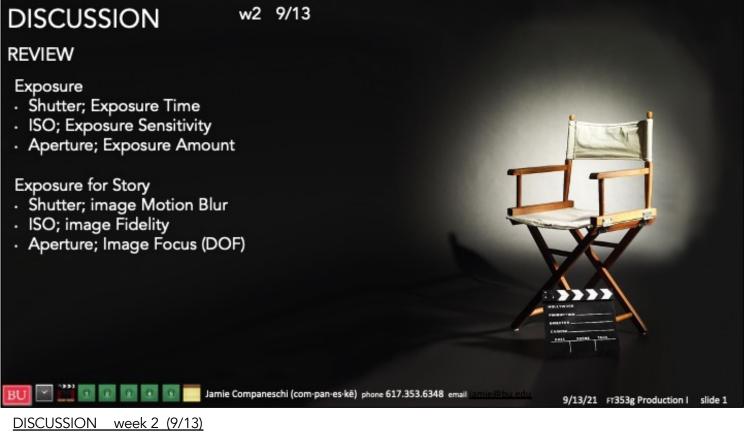
## 21f 353g Production One

## September 13, 2021



#### REVIEW

- 1. Comprehension
- Shutter; exposure time

Camera shutter set at 180° angle. Camera frame rate set at 24 frames per second. Exposure time is 1/48 of a second. Half (180° is half 360°) the time for each frame.

ISO; exposure sensitivity

Large numeric value is more sensitive w less fidelity and Small numeric value is less sensitive w/more fidelity. Expressed as "speed" with Larger number value being "faster" and Smaller number value "slower"

• Aperture (iris); exposure amount

Large numeric value lets in less light w more focus and Small numeric value lets in more light w less focus. Expressed as "speed" with Larger number value being "slower" and Smaller number value "faster"

- 2. Storytelling
- Shutter; Visually "normal" motion blur.
- ISO; Visually "supports" story theme, feeling, genre.

• Aperture; Visually "supports" story focus, attention, "z" axis depth (foreground, mid-ground, background).

## September 13, 2021

CAMERA 1. Set Up and Operation · 24P (23.976) · Shutter Angle (180°)	RECORD SETTINGS         frequency:       59.94 Hz (default)       TC:       NDF (\$9.94Hz/24P specific)         bit rate:       24 Mbps LPCM (default)       file:       AVCHD         shutter:       180°       color sample:       4:2:0 8bit (internal SD)         frame rate:       24P (23.978)       compression:       MPEG-4 AVC/H.264         4G SDHC ≈ 20min, record time
<ul> <li>ISO (select)</li> <li>Format (media card)</li> </ul>	QUICK SET-UP 1. RESET Default Settings default: MENU → Other Functions → Reset → All Settings date/time: set
2. Lens • FPS c100 Kit 1. focal length 2. speed • Focal Plane	2. SETUP Camera         black level: MENU       → Camera Setup       → ABB       → OK (w/body cap on)         shutter:       MENU       → Camera Setup       → Shutter       → Mode       → Angle         frame rate:       MENU       → Other Functions       → Frame Rate       → 24P
· Focus Assist (MAG Digital Zoom) <u>DEMO</u> · Focus Assist (Peaking) <u>DEMO</u>	3. <u>SELECT</u> ISO ISO/GAIN <sup>®</sup> ( <i>ISO values displayed with Function Reset</i> ) 4. <u>SELECT</u> Color Temperature
3. Tripod · FPS "medium" tripod	WB© Tungsten(1200K) · Daylight(5400K) · Kelvin* · Custom A · Custom B 5. FORMAT media MENU⊗ → Other Functions → Initialize Media

## PICTURE; Camera (c100) week 2 (9/13)

#### Camera

- 1. c100; TechSheet\_Canon(c100)
  - ▶ Quick Set-Up
  - Shutter <sup>DEMO</sup> coin spin with high shutter
  - WB; Color Temperature DEMO 3200°K Tungsten vs. 5600°K Daylight
  - ►ISO DEMO low vs. high
  - Focus Assist
     Peaking; reference showing image focus contrast
     Digital Zoom; magnify image on display, NOT on sensor

# 2. **lens**

- ▶ focal length; frame size, Field of View
- ▶ speed; F stop
- minimal focus; how close can image get to Focal Plane
- ► FPS c100 kit

WIDE; 20mm, f2.8 NORMAL; 50mm, f1.4

TELEPHOTO; 100mm, f2

## 3. tripod

- sticks/legs
- ▶ spreaders
- ▶pan handle
- ∙head
  - ball base
  - base plate
  - tilt; lock, resistance
  - pan; lock, resistance

## REFERENCE

Blackboard; TechSheet\_Canon(c100)

Blackboard; Manual\_Canon(c100)



#### 1. Picture Reference

- visual reference identifying picture
- audible reference for sync

## 2. Information

- ▶ PRODUCTION; name of the show
- ROLL; reference multi-cam letter and camera roll # (media card)
- SCENE; reference story scene # and scene shot letter (coverage)
- TAKE; scene take # (version) DO NOT USE LETTERS "I" or "O" FOR ROLL AND SCENE ID.
- DIRECTOR; name of director
- ·CAMERA; name of cinematographer
- •DATE; production day date
- DAY-NIGHT; story daytime or night time (for lighting reference)
- FPS; frame rate of camera (for sync reference)
- MOS-SYNC; scene will sync with sound or has no sound to sync MOS (with out sound)
- MOS fun fact: German director mis-pronounced "with" as "mit"

#### 3. Process for MOS

- 1. with dry erase; fill out slate information
  - Circle MOS and/or write MOS vertically next to take #
  - 1<sup>st</sup> "shot" for a scene is scene # only, 2<sup>nd</sup> "shot" for same scene is #A, 3<sup>rd</sup> "shot" is #B, 4<sup>th</sup> #C ...
- 2. place slate in frame
- Sticks Closed
- Fill Frame
- In Focus
- 3. start camera (record "rolling")
- 4. remove slate
- 5. director calls "action" actor(s) play out scene director calls "cut"
- 6. stop camera

#### GREY CARD

1. Exposure Reference