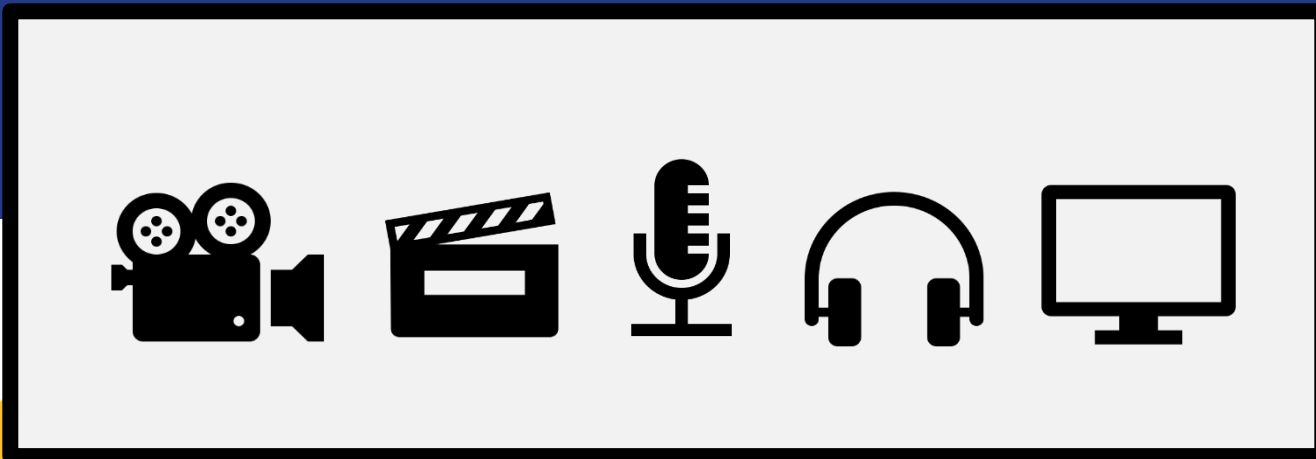




Tools for Developing e-Learning Courseware

Mahidol University, Faculty of Liberal Arts

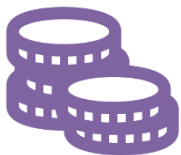




e-Learning plays an important role in education presently.



Many organization develop their own e-Learning courseware for public either for free or charge.



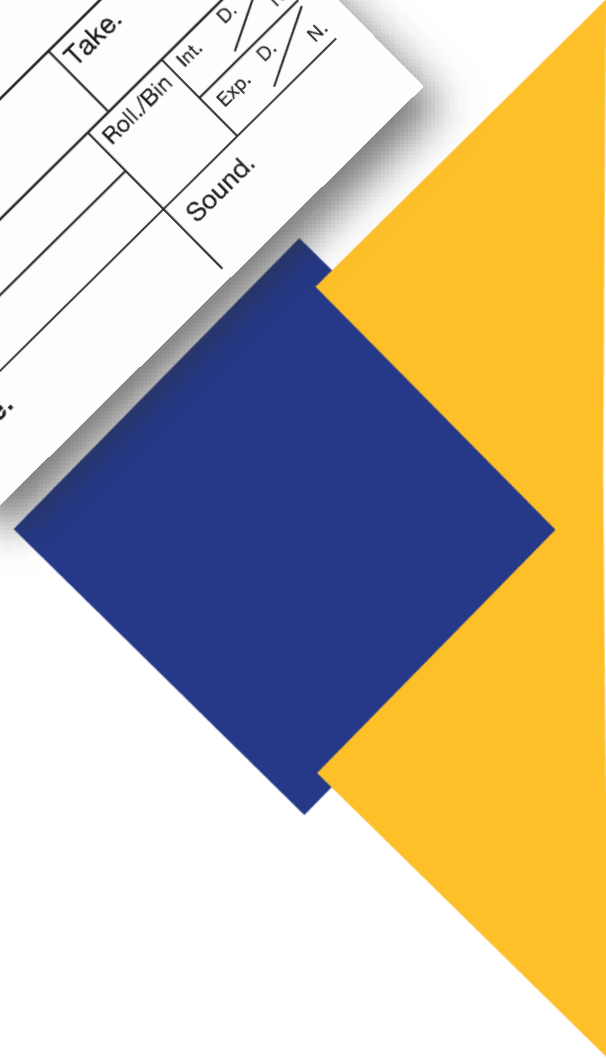
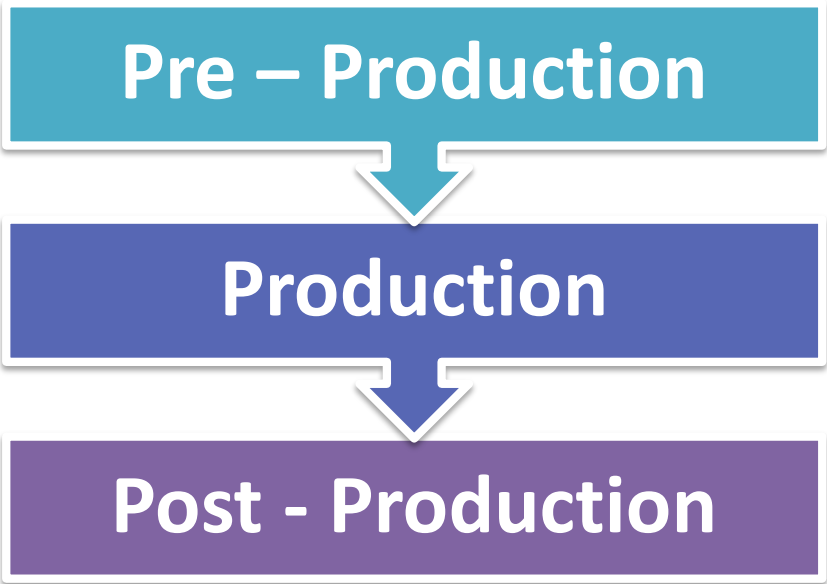
To develop e-Learning courseware, tools are essential in terms of cost, time, and tasks.





Media Production

The three main stages of production



Media Production

Pre – Production

Production

Post - Production

- Planning
- Scripting
- Storyboard
- Scout Location
- Prepare a set
- Prepare Actors
- Timeframe
- Schedule





Media Production

Pre – Production

Production

Post - Production

Tools and equipment : Studio Room

1. Monitor
2. Full HD Video Camera
3. Digital Video Recorder
4. Switcher
5. Mixer
6. Headphone
7. Tripod
8. Lavalier Mic
9. Flashes & Continuous Lights
10. Slate film
etc.





Media Production

Pre – Production

Production

Post - Production

Tools and equipment : On location

1. Video Camera
2. Handy Recorder
3. Shotgun Microphone
4. Continuous Lights
5. Lavalier Mic
6. Tripod
etc.





Media Production



Shot Sizes



Very Long Shot



Long Shot



Medium Long Shot



Mid Shot



Medium Close-up



Close-up



Big Close-up



Extreme Close-up



MS
(Mid Shot)



MCU
(Medium Close - Up)



Media Production

Pre – Production

Production

Post - Production

Do a rehearsal





Media Production



shoot / record

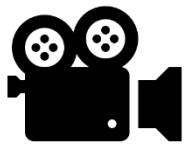


Media Production

Pre – Production

Production

Post - Production



Speaking on camera

- Know main points
- Be enthusiastic
- Talk slow and concisely.
- Smiling
- Good posture
- Pretend like speaking with someone you know.
- Record yourself on camera to see what needs improvement.
- Don't be afraid to make mistakes.
(Recording on camera can cut out, pause...or retake)





Media Production



The actual shooting/recording



Place	Problem	Resolve
Studio Room	Disturbance sound Air conditioner sound	Turn off the air conditioner when shooting video.
On Location	<ul style="list-style-type: none"> - Disturbance sound - The light is not enough for Video Shooting. 	<ul style="list-style-type: none"> - Use Shotgun Microphone. - Use Continuous Lights.

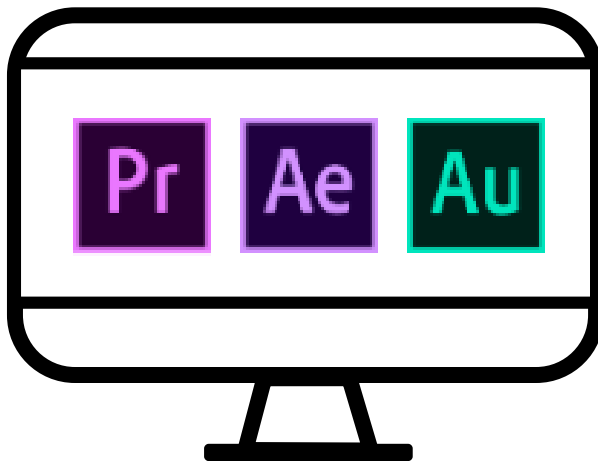
Media Production

Pre – Production

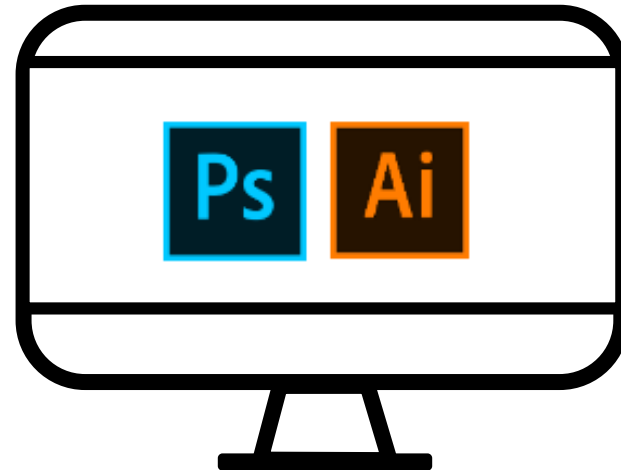
Production

Post - Production

The followings are examples of Software use in project.



Software for video editing
and create audio.



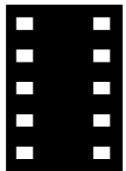
Software for graphic design.

Media Production

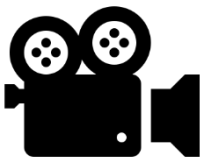
Pre – Production

Production

Post - Production



Video Editing



The recording settings should match the recommended format and resolution.



Video Formats and Settings

- **Frame Rate** : 25.00 frames/second
- **Frame Size**: 1920 x 1080 Pixels
- **Aspect Ratio**: 16:9 Widescreen / HD

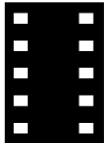


Media Production

Pre – Production

Production

Post - Production



Video Editing

- Add text and styling to video.
- Create titles, graphics and animation.
- Add sound provides simple.
- Add transition and special effects.

Mahidol University
Faculty of Liberal Arts

LAEN 263 Listening and Speaking for Communication

คำที่แสดง
การเพิ่มข้อมูล
**Additional
information**



supportive
idea




Mahidol University
Faculty of Liberal Arts

LAEN 263 Listening and Speaking for Communication

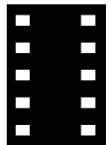
Activity 1
Watch the video clip "Sugar is killg us"
(<https://www.youtube.com/watch?v=Yda8RtOcvFU>)
for the first 1:15 minutes and then circle 10 words taht you hear.

umami





Media Production



Video Editing

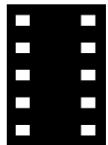


Media Production

Pre – Production

Production

Post - Production



Video Editing

Examples of
Design

Mahidol University
Faculty of Liberal Arts

LAEN 262 Listening and Speaking for Communication

verb to do
(do, does, did)

verb to be
(is, am, are, was, were)

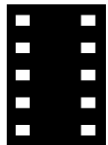
modal
(can, could, shall, should,
will, would, may, might,
must, need, dare, ought
to, used to)

Media Production

Pre – Production

Production

Post - Production



Video Editing

Examples of
Design

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Faculty of Liberal Arts

LAEN 262 Listening and Speaking for Communication

การตอบคำถามที่ถามด้วย
How long

มักใช้คำว่า
about
หรือ
around

2:51 / 8:07

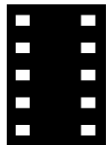


Media Production

Pre – Production

Production

Post - Production



Video Editing

Examples of
Design

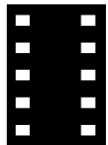


Media Production

Pre – Production

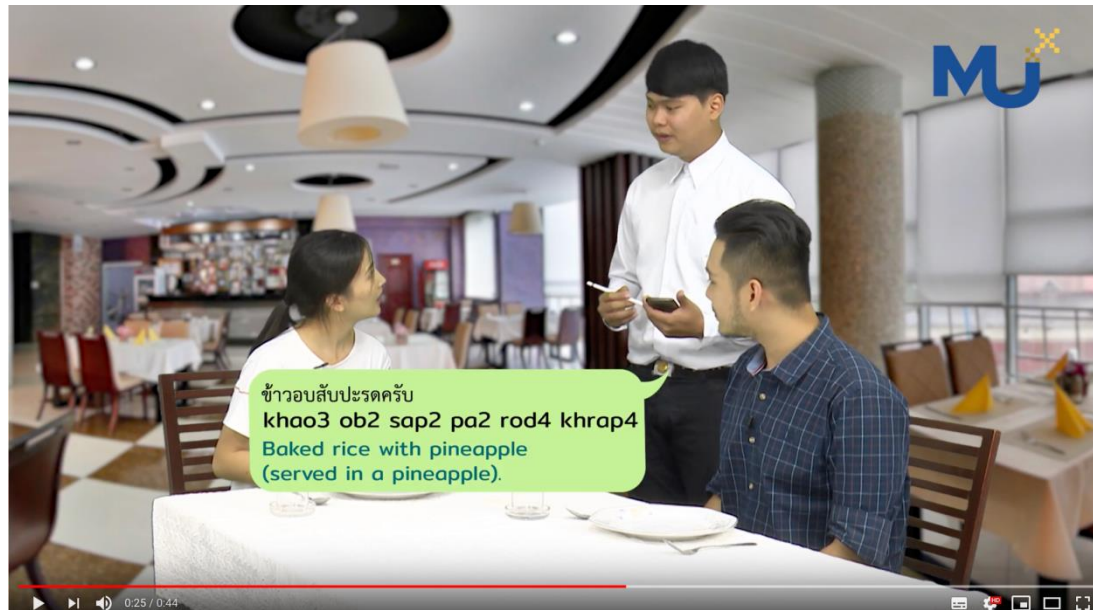
Production

Post - Production



Video Editing

Examples of
Design

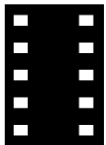


Media Production

Pre – Production

Production

Post - Production



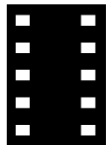
Video Editing

Animation Interesting





Media Production



Video Editing

Technique : Chroma key

A chroma key is a technique that the editor used in video to replace a background.

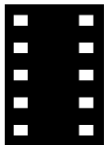


Media Production

Pre – Production

Production

Post - Production



Video Editing

Technique

Music Fit

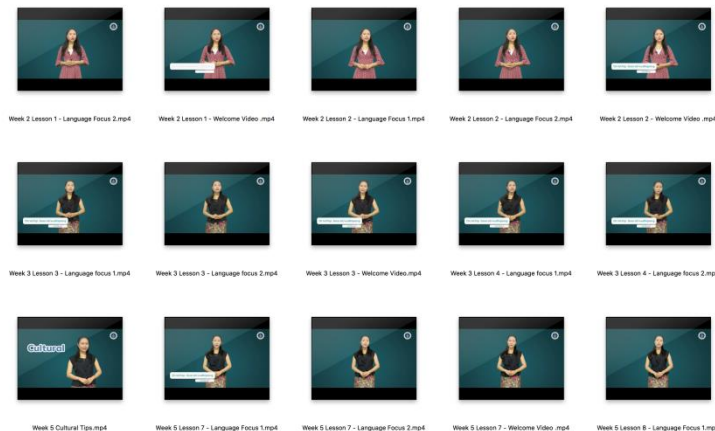
Find music that fits video content.

Consistent Graphics

Fonts, font colors and sizing are consistent throughout entire video.

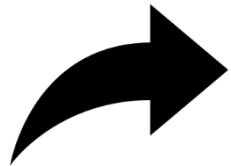
Complete Transitions

Make sure previous clips are long enough or adjust your transition time.





Media Production



Video Export Setting

- **Format** : H.264 (MP4)
(The most popular option)
- **Preset** : YouTube 1080p 25p



Upload Videos



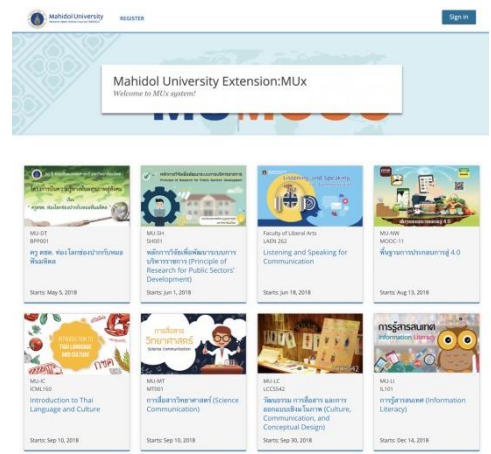
Upload videos in YouTube Studio
www.youtube.com
Add subtitles to video.

Media Production



Technicians upload all media to the e-Learning system.

Course owner or teacher checks correctness of contents.



Media Production

Pre – Production

Production

Post - Production

Mahidol University

MOOC online course design and development requirements
(For media producers supporting online courses)



The quality of media

- The screen resolution 1920 X 1080 (1080p)
- The picture is high definition and clear also it not blur or shake.
- The light is not too over or under.
- The presentation format is appropriate for the e-Learning courseware such as screen recording, interviews, discussions or animation.

Media Production

Pre – Production

Production

Post - Production

Mahidol University

MOOC online course design and development requirements
(For media producers supporting online courses)



The quality of media

- Audio description and soundtrack for the video are clear and suitable without noise.
- Video is not over 10 minutes per a clip.
- Text, color and style are appropriate, not small or too large.
- The text in video must be concise, clear and easy to understand.



Media Production

Pre – Production

Production

Post - Production



REGISTER

Sign in

Mahidol University Extension:MUx
Welcome to MUx system!



Video
Examples

<https://mooc.mahidol.ac.th/>

- Listening and Speaking for Communication
- Thai language in everyday conversation with foreigners
- English for teachers who are teaching first grade level

<https://youtu.be/dH6SdgPgtZY>

<https://youtu.be/rb2PsfeooJU>

<https://youtu.be/-MghJS7j15M>

<https://youtu.be/64PvzVdhcsA>



Thanks for Attention

Reference

<http://www.tpsmediastudies.com/media-production-process.html>

<https://www.nbpts.nesinc.com/Content/Docs/RecommendedVideoFormatsandSettings.pdf>

<https://www.techsmith.com/blog/common-video-editing-mistakes/>

<https://j improcreative.com/blog/10-tips-for-speaking-on-camera-and-having-a-better-on-camera-presence>